

ANO 's

1975

HISTORIAN

RESTRICTED

ANOs 1/75-20/75



# AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,  
16 January 1975.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

RESTRICTED

ADMINISTRATIVE AND GENERAL  
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Additional copies of Navy Orders may be readily obtained by:

- signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- telephoning Navy Office, Canberra 65 3461.

## Section 1

## ADMINISTRATIVE AND GENERAL

## UNCLASSIFIED

## 1/75—Australian Navy Orders

1. Navy Orders are printed orders and instructions having general application throughout the Navy. They are printed in three series, Australian Navy Orders (ANOs), In-Confidence Australian Navy Orders (ICANOs), and Confidential Australian Navy Orders (CANOs). The first two series take in matter up to RESTRICTED while the last are all CONFIDENTIAL.

2. Some of these orders are based on Defence Council Instructions in which case the relevant DCI number is shown in italics beneath the title of the Navy Order.

3. The orders are divided into sections by subject as follows:

Section	Title
1	ADMINISTRATIVE AND GENERAL.
2	PERSONNEL.
3	OPERATIONAL AND TRAINING.
4	EQUIPMENT, STORES AND SERVICING.
5	BOOKS, CORRESPONDENCE, FORMS AND STATIONERY.
6	ESTABLISHMENTS.
7	CANCELLED LIST.

4. Navy Orders are not intended as a permanent book of reference and remain extant for three years before automatic cancellation unless they are otherwise cancelled. A disposal instruction is included in Navy Orders each month listing the orders no longer in force which may be disposed of.

5. So that packs of orders may be amended readily, any order referred to in the text of an order has its number printed at the end of that order. All amendments are printed in a special section at the back of each issue, on one side of the page to facilitate their removal and subsequent insertion in the appropriate location.

6. One index amalgamating the previous Restricted and Confidential Indexes is now issued, covering orders promulgated over the previous three years. It is completely updated and promulgated every six months, in January and June. At the front of each issue of orders is a tear-out contents page, which may be used to keep the indexes up to date.

7. The last Navy Order issued for 1974 was No 409.

8. Navy Order 1/74 is hereby cancelled.

(47/8/7)

(Navy Order 1/74)

UNCLASSIFIED

**2/75—Commissioning**

1. The following decommissionings have been effected:

HMAS TARANGAU	..	..	14 November 1974
HMAS TARANGAU II	..	..	14 November 1974
HMAS AITAPE	..	..	14 November 1974
HMAS LADAVA	..	..	14 November 1974
HMAS LAE	..	..	14 November 1974
HMAS MADANG	..	..	14 November 1974
HMAS SAMARAI	..	..	14 November 1974
HMAS BUNA	..	..	26 November 1974
HMAS SALAMAUA	..	..	26 November 1974

2. The following commissionings have been effected:

HMAS BASILISK	..	..	14 November 1974
PNGS AITAPE	..	..	14 November 1974
PNGS LADAVA	..	..	14 November 1974
PNGS LAE	..	..	14 November 1974
PNGS MADANG	..	..	14 November 1974
PNGS SAMARAI	..	..	14 November 1974
PNGS BUNA	..	..	26 November 1974
PNGS SALAMAUA	..	..	26 November 1974

(1211/51/872)

UNCLASSIFIED

**3/75—Decommissioning**

The following decommissioning has been effected:

HMAS ARCHER .. .. 21 October 1974

(Transferred to the Indonesian Navy and renamed KRI SILIMAN.)

(1211/51/872)

UNCLASSIFIED

**4/75—Fire Precautions—Smoking Tobacco—Carelessness**

1. The indiscriminate disposal of cigarette butts, and smoking in bed, continue to be frequent causes of fire. Commanding Officers and officers-in-charge of establishments are to ensure that personnel are warned, frequently, of the dangers of fire through these causes.

*Note:* The burning of some 'plastic' materials of which mattresses may be made produces toxic fumes, as well as the normal, asphyxiating, products of combustion.

2. The provision *and use* of satisfactory receptacles for the disposal of smoking materials in places of assembly is required as is the use of suitable ash trays in accommodation areas, ie, cabins.

3. Personnel are to be reminded that refuse chutes, rubbish bins and similar containers are not to be used for the disposal of smoking materials.

4. Navy Orders 26/72 and 55/72 are hereby cancelled.

(1446/1/107)

(Navy Orders 26/72 and 55/72)

RESTRICTED

**5/75—Joint Services Staff College**

1. The Joint Services Staff College (JSSC) is established to provide selected officers, normally of the rank of Commander or equivalent, who will preferably have completed a single service staff course, with a more advanced education in preparation for senior appointments in the Department of Defence and the Services.

2. The Charter of JSSC is set out in Annexe A.

3. Courses are of approximately five months duration and although full time, are non-residential.

4. During the course, officers will study the Defence Force and certain aspects of military operations, the Department of Defence and other related Government instrumentalities, Australia's economic and social development, strategy and international relations, the formulation and application of Defence policy, and other Government policies which have a bearing on defence as a whole. Command and control in both joint and combined situations is highlighted and the application of modern management concepts is introduced.

5. An overseas tour of selected countries in South East Asia, South West Pacific and Papua New Guinea is part of the curriculum together with visits to Service establishments in Australia. Visits to industrial activities are also included.

6. Officers selected for the course will normally be either about to finish or about to begin, a tour of duty in Canberra.

7. The Commandant is a Commodore (or equivalent) with a Directing Staff comprising two Commanders, two Lieutenant-Colonels, two Wing Commanders, one New Zealand Commander (or equivalent) and Associate Directing Staff (civilian) from the Departments of Defence and Foreign Affairs.

8. The Army is the Sponsor Service and as such provides the necessary administrative staff and support.

9. Course membership totals about thirty-six. As well as officers from each of the Australian Services and the Public Service, three or four representatives from New Zealand and officers from Britain and the United States also attend.

10. The address of the College is:

a. *Mail:*

Joint Services Staff College  
Cotter Road  
CANBERRA, or  
PO Box 129  
CURTIN ACT 2605.  
(Telephone Canberra 88 1466).

b. *Telegraphic and signal address:* JOINTSERCOL, CANBERRA.

11. Officers will be posted HMAS HARMAN, for course number 901207. HMAS HARMAN will be responsible for the personal administration of these officers.

12. Single and married unaccompanied officers will be accommodated at the Government Hostel 'Brassey House' which is situated in Macquarie Street, Barton, Canberra, ACT 2600. Charges incurred will be met by the Department of Defence, Army Office, as the Sponsor Service. Applications for living out away from home allowance in accordance with NPI Article 0511 are therefore not required. Normal accommodation and ration charges will apply, where appropriate, when living-in at Brassey House.

13. Navy Order 523/71 is hereby cancelled.

#### ANNEXE A

##### Joint Services Staff College Charter

1. The aim of the Joint Services Staff College is to provide selected officers who will normally have completed a single-service staff college course and be of the rank of Commander or equivalent, with a more advanced education in preparation for senior appointments in the Department of Defence and in the Services.

2. Graduates of the College are required to:

- comprehend Australia's national objectives and the major factors which influence the formulation of Australia's Defence and Foreign policies;
- comprehend the machinery for the preparation of Australian Defence policy and the processes of Government decision in defence matters;
- apply those aspects of Government policy which bear upon the defence and the security of Australia;
- comprehend the defence administrative and operational organisations and their responsibilities for executing defence policy;
- comprehend the activities of the three arms of the Australian Defence Force, and the Government and non-government physical support upon which they depend;
- evaluate Australia's present and potential defence capabilities;
- evaluate alternative methods of command and control, organisation, logistic support and concepts of operations in joint activities in both the national and combined sense at various levels of hostility; and
- comprehend modern management concepts.

3. Selected civilians may also attend.

(1600/211/86)

(Navy Order 523/71)

#### UNCLASSIFIED

##### 6/75—Safety—Heavy Lift Helicopters—Dangers from Down Draught

1. In an incident in one of HMA ships the down draught from a heavy lift helicopter caused a Zodiac diving boat moored at the stern boom to be lifted bodily from the water and capsized, throwing two sailors and a quantity of diving equipment into the water. The sailors were recovered but the equipment was lost.

2. This incident illustrates the considerable effect that a heavy lift helicopter can have when landing on or hovering in the vicinity of a ship. In addition it should be remembered that quite large articles, if left lying unsecured and unattended, may be sucked into the air and become lethal missiles.

3. While it may be difficult to take due precautions when frequent and unexpected helicopter sorties are being flown, every effort is to be made to ensure the safety of personnel and of boats at booms, and that all loose equipment is adequately secured during such operations.

4. Navy Order 4/72 is hereby cancelled.

(177/1/68)

(Navy Order 4/72)

#### Section 2

#### PERSONNEL

#### UNCLASSIFIED

##### 7/75—Herbert Lott Naval Trust Fund Awards for Courses Held During the Year Ending 31 March 1974

1. The following officers and sailors gained the best results in their particular courses and have been awarded prizes of £15 sterling in the case of officers, and £10 sterling in the case of sailors, from the Herbert Lott Trust Fund. The Naval Board acknowledge the effort put into these training results and congratulate the recipients:

Course	Percent	Rank	Name	Personal Number	Now Service in HMAS
*OFS (FW)	87.0	A/SBLT	M. R. CURRY ..	..	VC—851
*OFS (FW)	87.0	SBLT	J. McCAULEY ..	..	VF—805
Advanced QMG	93.1	LSQMG	P. H. CHAMPNESS	R63652	PERTH
Advanced FC	85.5	POFC	R. J. CROSS	R93497	SWAN
Advanced WM	88.7	POWM	J. J. ILES	R63892	HOBART
Advanced RP	88.0	LSRP	R. S. TOWELL ..	R64154	HOBART
Advanced UW	92.0	LSUW	L. J. WILLIAMS ..	R65932	SNIFE
Advanced UC	86.0	LSUC	J. C. SILK	R95039	DERWENT
Advanced SIG	86.0	LSSIG	T. A. BOON	R94883	KUTTABUL
Advanced RO	95.0	LSRO	R. C. TURNER ..	R63348	MELBOURNE
Advanced ROS	86.6	LSROS	T. B. NUGENT ..	R65155	HARMAN
Advanced A	74.0	LSA	D. KIRKPATRICK	R66659	HS—817
MTP4/MTP4D Qual.	86.0	CPOMTP	I. A. BROWN ..	R66694	MORETON
Advanced MTL	85.0	LSMTL	R. J. MITCHELL..	R64007	SHORE
Advanced ETS (ex WE)	78.0	A/P/POETS	R. C. MUNRO ..	R94699	DUCHESS
*Advanced ETS (ex WR)	86.0	LSETS	C. G. GOODWIN	R65555	DUCHESS
*Advanced ETS (ex WR)	86.0	LSETS	H. H. SHERWOOD	R65812	HOBART
Advanced ETC	86.0	LSETC	A. J. SKELTON ..	R66270	CERBERUS
POMTP (3) Mech Qual.	90.0	POMTP3	T. J. MAKING ..	R64850	VENDETTA
POATW (3) Mech Qual.	75.0	AM2ATW	L. M. DAVIDSON	R96034	MELB AIR GROUP
MTH 4 Qual.	89.0	CPOMTH4	L. A. ROSE	R42514	PENGUIN
Advanced ATA	88.0	LSATA	R. J. KINROSS ..	R93869	ALBATROSS
Advanced ATW (ex W)	82.0	LSATW	N.E. BARNES ..	R66829	VF—805
Advanced ATW (ex AW)	68.0	POATW	J. G. GRENFELL	R94023	ALBATROSS
Advanced ATC	86.0	LSATC	D. J. GILBERT ..	R65975	HS—817
Advanced MTP	86.1	LSMTP	B. E. BENNETT ..	R65838	SWAN
Advanced MTPD	88.5	LSMTPSM	J. W. CLELLAND	R94597	OTWAY

\*Notes: Share Prize Money.

2. Payment is to be effected through the ship's cash account as a charge to Division 604/1/17/111—Recoverable Expenditure Other Governments. See Navy Accounts Manual Article 0332 Clause 2.

3. Authorisation of payment is to be made by the ship or establishment in which personnel are borne at the date of receipt of this order.

(212/12/20)

## UNCLASSIFIED

### 8/75—Instructor Branch—New Structure

1. The Instructor Branch now consists of three lists, a Short Service List (SSIT), a Supplementary List with a Permanent Commission (PSIT) and a full Career Permanent Commission List (EDIT).

#### New Conditions of Entry and Service

##### 2. Academic Qualifications

- a. *Graduates.* Applicants must have graduated, or be qualified to graduate at a recognised Australian University. Preference will be given to graduates with science or mathematics majors, but vacancies will also exist for graduates in English, History, Geography, Education and Educational Administration. Holders of certain technical diplomas from Institutes of Technology, Advanced Colleges of Education, etc, are also eligible for selection. Degrees from overseas universities will be considered on their merits. Preference will be given to applicants with teaching qualifications and experience.
- b. *Non-graduates.* Applicants must have completed successfully the training course at a recognised Teachers College, and have passes in mathematics or physics at First Year University level (or equivalent).

##### 3. List Descriptions

- a. *Seven Year Short Service Commission—SSIT.* A seven year Short Service Commission has been chosen to bring the proposed structure into line with the SLEX List. All non-graduates and most graduates will enter in this list. After three years service, SSIT officers will be eligible for selection for a transfer to the full Career Permanent Commission List (EDIT) or the Supplementary List with a Permanent Commission (PSIT). To assist in the selection of SSIT officers being offered transfer, reports on Form PP101 on Short Service officers who have completed three years of their initial commission and all subsequent reports are to state whether they are recommended for a Permanent Commission, as is already required for Short Service officers by RI 1043. Only in exceptional cases will an extension of the Short Service Commission be granted.
- b. *Permanent Commission on the Supplementary List—PSIT.* Specially qualified graduates may be entered directly to this list. All others are transferred from SSIT as in a. above.
- c. *Full Career Permanent Commission—EDIT.* This list will be made up of well-reported-on graduate Instructor Officers who have been transferred from the SSIT or PSIT Lists. The eventual ceiling number in this list will be as dictated by manpower planning requirements to preserve the presently approved promotion factor of not less than six chances in ten to Instructor Commander. In exceptional circumstances, specially qualified graduates

may be entered directly to this list. In the transition years, it is expected that an overbearing will exist in this list in order to preserve the rights of all present EDIT officers, whilst at the same time making possible the transfer of suitably qualified and recommended SSIT officers currently serving.

#### 4. Seniority and Promotion

Rank on entry, pay seniority and promotion to Lieutenant-Commander will continue as at present, with graduates being promoted at age 31½ or after five years service, whichever is the later, and non-graduates being promoted after eight years as a Lieutenant. Remission of time to Lieutenant-Commander for officers obtaining a suitable degree, will be as detailed in RI 0484 (2). Promotion to Commander will normally be made from EDIT officers only, and by selection as at present. Only in exceptional circumstances will promotion to Commander be made from the PSIT List.

#### 5. Transition Arrangements—Officers Currently Serving

- a. Currently serving officers' rights are to be preserved. All present EDIT officers will remain on that list, and SSIT officers will retain their existing rights and length of Short Service Commissions.
- b. SSIT officers serving on a ten year Short Service Commission may be selected for transfer to a Permanent Commission on the Supplementary List after completing three years service. Transfer will be subject to favourable reports and recommendation, and vacancies.
- c. Subject to vacancies, suitably qualified SSIT or PSIT officers may be transferred to a Full Career Commission on the EDIT List. On present figures a transfer to EDIT of three officers a year can be made by selection on the basis of reports and recommendations.

(303/201/23)

## UNCLASSIFIED

### 9/75—Insurance of Private Motor Vehicles

1. Personnel who own motor cars or motor cycles could bring serious financial difficulties upon themselves by not having adequate insurance cover against accidents on the roads.

2. The only insurance cover required by law is a Third Party Insurance policy. This type of policy covers a driver only for claims in respect of the death of or bodily injury to other persons whom he may kill or harm in the course of driving his own car or motor cycle.

3. A Third Party Insurance policy provides no cover against claims from persons whose vehicles or other property a driver may have damaged.

4. An officer who has only Third Party Insurance cover may therefore have to pay out of his own pocket for the repair not only of his own vehicle but also for the repair or replacement of any other vehicle (or property) which he may have damaged by his negligent or dangerous driving. The amount to be paid may run into many thousands of dollars; even in a relatively minor accident the amount is likely to be several hundred dollars. If an officer or sailor has to be sued in court to make him pay, considerable legal costs are likely to be added to the bill for damages.

5. A driver can insure himself against such claims by taking out a Third Party Property Damages policy. Naval drivers are strongly recommended to protect themselves against possible financial disaster by taking out such a policy.

6. A Comprehensive Insurance policy is even better coverage. This type of policy covers damage to the driver's own vehicle as well as damage to other vehicles and property.

7. Commanding Officers are to bring this order to the attention of their ships companies.

8. Navy Order 56/72 is hereby cancelled.

(271/1/82)

(Navy Order 56/72)

## UNCLASSIFIED

### 10/75—Post Allowance

1. A Post Allowance payable to members of the Royal Australian Navy when on overseas postings has been introduced and approval is given for the provisions set out in the following paragraphs to be applied with effect from the dates indicated.

2. The allowance is payable at two levels, \$1,000 and \$700 per annum for designated posts, and has regard to such factors as climate, isolation, medical facilities, presence of disease, absence of normal facilities or civil unrest, or generally speaking to those conditions which cannot be alleviated. The designated posts will be subject to review from time to time, usually following inspection. The amounts of the allowance will be subject to review at approximately two yearly intervals.

3. Post Allowance is fully taxable, ie, it is not subject to the same tax remission allowed for other overseas allowances.

4. The designated posts are:

#### Group A—\$1,000 per annum

Dacca	Lagos	Rangoon
Dar es Salaam	Peking	Saigon
Hanoi	Phnom Penh	Vientiane

#### Group B—\$700 per annum

Accra	Calcutta	Tel Aviv
Ankara	Colombo	Moscow
Belfast	Djakarta*	PNG*
Bombay	Karachi	
Cairo	Nauru	

Note: \* This rate is payable at all posts in Indonesia and PNG.

5. The allowance may be paid for the above posts with effect from 29 November 1973, except for PNG for which payment may be effected from 1 December 1973.

6. The conditions of payment are:

- a. the allowance is payable for both long and short term mission provided that the member serves in the designated post for a qualifying period of one month;
- b. the allowance is payable for the period the member is at the post including the qualifying period at a.;

- c. for each group, there is one level of payment for all members at that post;
- d. where both the husband and wife are employed at a post during a long term posting, only one payment of the allowance will be made;
- e. the allowance will be payable during any absence of the member from the post on duty, whether or not such absence is within or outside the country of posting;
- f. when a member takes recreation leave during a posting, either inside or outside the country of posting, provided that he resumes duty in the country of posting after such leave, post allowance specified for the country of posting is payable for the period of leave;
- g. when a member takes recreation leave after completing a posting and prior to leaving the country of posting, payment of post allowance will continue either until the date of departure from the country of posting or until the expiration of a period equal to the leave credited for service at that post for twelve months, whichever is the earlier;
- h. when a member takes recreation leave after completing a posting in a country other than the country of posting, payment of post allowance will continue at the rate specified for the original post for the period of the recreation leave taken but subject to a maximum period of payment equal to the leave that would be credited for service at the original post for twelve months;
- i. where there is a combination of the circumstances described in Paragraph g. and those described in Paragraph h. above, the period of payment of the allowance is limited to a period equal to the amount of leave that would be credited for service at the original post for twelve months;
- j. payment of the allowance will continue during a period of furlough taken in the country of the post, but it will not be payable during periods of leave without pay.

(252/4/335)

## UNCLASSIFIED

### 11/75—Rail Travel in Queensland

1. The Queensland Government has approved the issue of first-class station to station rail passes available for the period of final leave, to all Queensland personnel who have served overseas with Australian units in or seen service in operational waters during World War II, the Korean and Malayan campaigns or the Vietnam emergency.

2. This approval remains valid until the termination of the member's Naval service and may be availed of by the member on his final leave.

3. Queensland personnel for this purpose are defined as:

- a. members who enlisted from Queensland;
- b. members who are or intend to become permanently domiciled in Queensland including:
  - (1) those whose final travel warrant is to Queensland;
  - (2) those whose final removal is to Queensland;
  - (3) those whose home port is Brisbane.



4. Applications, which are to be accompanied by sufficient details to determine eligibility, are to be forwarded to Navy Office. Once eligibility has been determined the Naval Officer-in-Charge, Queensland, will be authorised to approach the Queensland Government for issue of rail passes.

(187/1/189)

## UNCLASSIFIED

### 12/75—RAN Submarine Arm—Sailors—Conditions of Service

#### Initial Selection and Training

1. The Submarine Arm consists of submarine-trained personnel to man:
  - a. Oberon-class submarines;
  - b. HMAS PLATYPUS (spare crew and base staff);
  - c. Submarine Command Team Trainer at HMAS WATSON;
  - d. Submarine specialist Directorates in Navy Office (Submarine Policy and Submarine Maintenance and Repair);
  - e. Certain exchange billets in allied Navies.
2. Sailors for the Submarine Arm are selected by Navy Office from volunteers from General Service categories, after Submarine Suitability Testing and medical examination.
3. Initial submarine training, of approximately six months duration, consists of:
  - Part I General course at the RN Submarine School, HMS DOLPHIN, UK;
  - Part II Application (category) course at the RN Submarine School, HMS DOLPHIN, UK;
  - Part III Continuation sea training in RAN submarine.
4. The detailed regulations for the entry training and promotion of sailors of the Submarine Arm are contained in ABR 27 (Volume 2 Chapter 8) and ABR 10. Medical standards required are contained in ABR 1991.

#### Period of Service

5. With effect from 1 January 1975 the initial period of service in the Submarine Arm will be governed by the application of 'Return of Service' applicable to each category. The award of the Submarine Badge will denote completion of submarine training, and will be the point from which 'Return of Service' is calculated.
6. If it proves impossible to post a sailor direct to a submarine for his Part III training, due to temporary non-availability of sea billets, the waiting time involved is to be taken into account when the sailor finally qualifies by back-dating his start date for commencement of 'Return of Service' by the amount of that waiting time.
7. Sailors may remain in the Submarine Arm on completion of 'Return of Service' for any period of time, subject to manpower requirements. Sailors are to signify their intention to leave the Submarine Arm, in the first instance, twelve months prior to discharging their 'Return of Service' obligation. After completion of 'Return of Service', twelve months' notice is to be given.
8. Navy Office will retain the right, on the grounds of the manpower situation applicable at the time, to refuse reversion to General Service.

#### Submarine Badge

9. The Submarine Badge is awarded on successful completion of Initial Submarine Training Part III. It is normally to be presented formally by the Commanding Officer of the submarine in which the sailor has carried out his Part III Training. Wearing of the Submarine Badge in accordance with RAN Uniform Regulations is compulsory, and is to be worn for the duration of a sailor's RAN service. If a sailor is reverted to General Service for the reasons listed under Sub-paragraphs 24 c, d and e below, the Naval Board may withdraw the sailor's entitlement to wear the Submarine Badge.

#### Submarine Rank Suffix

10. The suffix SM is added to a sailor's rank designation on successful completion of Initial Submarine Training, Parts I, II and III.

#### Submarine Allowance

11. Regulations covering eligibility for and payment of Submarine Allowance are contained in ABR 5020 (Naval Pay Instructions).

#### Postings—Sea and Shore Service

12. Navy Office is the posting authority for all Submarine Arm sailors. More detailed directions on all aspects of postings are contained in current Navy Orders.

#### Postings—Spare Crew Sailors

13. HMAS PLATYPUS (spare crew) sailors are available for immediate posting to submarines to meet the operational requirement that submarines are to be manned to full complement before proceeding to sea. Such postings will normally be of a temporary nature.

14. Where such a requirement to relieve a submarine crew member by spare crew arises at short notice, the Squadron Commander is to nominate and dispatch the relief informing Navy Office by signal. Navy Office will take the necessary posting action. The following format is to be used for all such movements:

FROM: COMAUSSUBRON ONE  
 TO: DEFNAV CANBERRA  
 INFO: SUBMARINE(S) CONCERNED PLATYPUS  
 (CLASSIFICATION AS APPROPRIATE) ROUTINE SIG NXZ/NEH  
 SUBMARINE SPARE CREW MOVEMENTS.

A. ANO...../75

- | 1. | A. NAME                | RANK | PERSONAL NUMBER |
|----|------------------------|------|-----------------|
|    | B. FROM HMAS           |      |                 |
|    | C. TO HMAS             |      |                 |
|    | D. DATE                |      |                 |
|    | E. ESDUR               |      |                 |
|    | F. REASON, OR REMARKS. |      |                 |

15. If more than one sailor is loaned a separate paragraph is to be used for each sailor. If the temporary posting has to be extended beyond the period originally expected, an amending signal is to be made.

16. Spare Crew sailors who are required to serve in a sea billet will be credited with the time served in a sea billet as sea time. A cumulative total of thirty days or more sea service in these circumstances will entitle the sailor to pro-rata seagoing leave.

**Promotion and Promotion Training**

17. Promotion instructions for submarine sailors are contained in ABR 10.

18. The promotion of fully qualified RAN submarine sailors will be authorised from Navy Office in the normal manner having regard to their position on the promotion list. Separate submarine promotion lists in all ranks and categories for which there is a higher rank in the Submarine Arm are maintained in Navy Office. Where there is no requirement in the Submarine Arm for the higher rank, sailors are placed on the General Service promotion lists.

19. Submarine sailors on General Service lists, will, in the normal course, revert to General Service when promoted. Any such sailors promoted when serving overseas will continue to fill the billet in the RAN submarines for which they have been trained and will revert to General Service at some suitable time after return to Australia.

20. Submarine Arm promotion training policy is designed to align itself as much as possible to that for General Service, in order that a minimum of training should be necessary for a submarine sailor on reversion to General Service.

21. Details of promotion courses and tests are contained in ABR 27 Volume 2 Appendix 1 Chapter 10. Where a submarine equipment phase is required, this will normally be carried out in HMAS PLATYPUS.

**Submarine Coxswains**

22. Requirements for Coxswains in submarine will be met from within the Submarine Arm. Recommended Chief Petty Officers and Petty Officers from the Seaman Branch of the Submarine Arm will be placed on course as necessary to meet requirements. ABR 27 Article 1119 (2)(b) gives details of eligibility. When a sailor from the Submarine Arm is a recommended volunteer for Coxswain this fact is to be reported to Navy Office with the words 'Highly recommended' or 'Recommended' as appropriate. The report is to be accompanied by a special report on Form PP1A.

**Reversion to General Service**

23. Submarine sailors may be reverted to General Service for the following reasons (in all cases Navy Office authority is required):

- a. completion of 'Return of Service' obligation;
- b. promotion to higher rank where no billet is available;
- c. medical unsuitability;
- d. inefficiency;
- e. unsatisfactory conduct;
- f. welfare reasons;
- g. at own request; or
- h. at Naval Board discretion.

The Naval Board reserves the right to revert a sailor to General Service to meet the requirements of the Navy. Whenever possible twelve months' notice will be given before a sailor is reverted.

24. If at any time a man is considered unsuitable for service in submarines due to his unsatisfactory conduct or lack of efficiency he is to be formally warned by his Commanding Officer and placed on probation for three months. A written report, accompanied by Form PP1A where applicable is to be forwarded through the Administrative Authority. If at the end of the three month probationary period the sailor is still considered unsuitable, application should be made for his reversion to General Service. Such action should be taken as soon as a man is considered unsuitable and not delayed until the man is due to be posted in the normal course,

25. Commanding Officers of submarines and the Squadron Commander should be guided by the principles of the above paragraph but need not be bound too closely by the requirement to place a sailor under report for three months before applying for his reversion to General Service.

26. Where the probationary period has resulted in a satisfactory improvement in conduct or efficiency the fact is to be reported to Navy Office through the Administrative Authority on Form PP1A, suitably noted in the remarks section.

27. As a general rule, submarine sailors sentenced to detention will be reverted to General Service as unsuitable for the Submarine Arm. A sailor whose sentence of detention is suspended before committal may be retained in submarines. In special cases, the Squadron Commander may represent that these guidelines be waived.

28. Applications for reversion of sailors to General Service (including at own request and accompanied by Form PP1A) are to be forwarded to the Administrative Authority.

29. All sailors, before reversion to General Service, are to be informed of the reasons for such action.

**Reversion in Rank (ABR 10 Chapter 4)**

30. When a submarine sailor shows incompetence, there may be a tendency to consider the recommendation of 'reversion to General Service' rather than 'reversion to the lower rank'. In certain cases, however, the latter may be more appropriate. A sailor may be capable of efficient service in the lower rank, and in this event his retention in the Submarine Arm in the lower rank should be considered rather than reversion to General Service.

31. This order will be reprinted for posting on notice boards.

(302/201/64)

**Section 3****OPERATIONAL AND TRAINING****UNCLASSIFIED****13/75—Training—40/60 Lightweight Loading Teachers**

1. To allow for hand loading drill of 40/60 guns to be practised, the allowances of 40/60 Lightweight Loading Teachers for HMA ships and establishments is shown hereunder:

a. HMA Ships—MELBOURNE

SUPPLY  
STALWART

One set held permanently on board.

b. HMAS WATSON—for reserve and fleet training.

c. HMAS CERBERUS.

2. Navy Order 517/71 is hereby cancelled.

(736/72/1)

(Navy Order 517/71)

## Section 4

## EQUIPMENT, STORES AND SERVICING

## RESTRICTED

## 14/75—Pressure Sensitive Security Wafer Seals

1. It has been decided to introduce a common security wafer seal for use by the Department of Defence and the Defence Forces. Its dimensions are 30 mm x 50 mm (1½" x 2") oval shaped.

2. Where considered necessary, or desirable, to identify office of origin, the rubber 'over-stamp' impression is to be used for this purpose.

3. The ordering and issue of security wafer seals will be the responsibility of the Senior Executive Officer, Information Control Section, Department of Defence, Canberra, who will supply stocks, determined by usage rate, to all Australian and overseas based classified registries and safehand sections, upon request.

4. The seals are supplied in rolls of approximately 500 in number and individually sealed in plastic. The seals will dispense readily from commercial-type plastic dispensers and stocks of these are obtainable through individual stationery stores.

5. In order to provide maximum security in the use of wafer seals:

- a. each seal is to be carefully placed so the flap edge of the envelope is under the longest diameter of the oval seal;
- b. the number of seals affixed to an envelope is to be similar to and not less than the number indicated in Article 0737 ABR 337;
- c. wafer seals are to be firmly pressed down;
- d. seals are to be over stamped by a rectangular rubber stamp designed to ensure that the overstamp will extend across the seal and on to the envelope. The following is an impression of the stamp used by the Information Analysis Centre, Department of Defence, Canberra. Each user is to use a similar design with their own identification, but existing stamps which bracket the new seal should continue in use until replacement is necessary;

INFORMATION ANALYSIS CENTRE  
DEFENCE

e. over stamping is to be done using only Rhodamine red stamp pad ink. Rhodamine ink and dry stamp pads are obtainable from local stationery stores. The catalogue details are as follows:

Catalogue No	Item
7310-66-030-4493	INK, STAMP PAD B0402
7510-66-030-4527	INKING PAD, RUBBER STAMP

f. although wafer seals are not in themselves classified documents. extreme care is to be taken to prevent the possibility of unauthorised use. Stocks on hand, when not in use, are to be kept in a locked container.

(1617/206/71)

## UNCLASSIFIED

## 15/75—Protective Working Dress—Clothing: Laundering, Repair and Replacement at Public Expense

1. The following items previously issued in compulsory kits are now to be issued on personal loan:

- a. Coveralls, safety, industrial;
- b. Cap, utility, blue, working;
- c. Shirt, man's, loan, poplin, white, working dress (Senior Cooks);
- d. Trousers, men's, drill, white, Class I and III (Cooks);
- e. Shirt, man's, loan, summer, white, working dress (Medical and Dental Sailors);
- f. Trousers, men's, white, polyester/viscose (Medical and Dental Sailors);
- g. Coats, men's, drill, white with blue facings (Stewards);
- h. Gloves, knitted cotton, white (Stewards);
- i. Undershirts, men's, gymnasium (Junior Cook Sailors);
- j. Shoes, safety, brown (Aircraft Maintenance Sailors);
- k. Spectacles, safety (Apprentices);
- l. Boots, Cooks', non-slip, with protective toe caps (Cooks).

ABR 93, Part 2, Scales 1, 3 (A), 3 (C), 3 (E), 3 (G) and 4 will be amended in due course.

2. The foregoing items in the kits of serving members and subsequent issues to new entrants are to be recorded on Form SA275.

3. Members are only to be issued with a replacement item, on personal loan, on the surrender of a similar item in an unserviceable condition.

4. The following items of protective clothing may be laundered, repaired or replaced, as appropriate, at public expense for the categories indicated, except in cases of clear neglect or default:

Category	Item of Clothing
Stewards	Coat, man's, drill, white with blue facings Gloves, knitted, cotton, white
Cooks	Shirt, man's, loan, poplin, white, working dress (Senior Cooks) Trousers, men's, drill, white, Class I and III Apron, Foodhandler, Cook Cap, Foodhandler, Cook, CPO and PO Cap, Foodhandler, Cook, Class II Undershirt, man's, gymnasium (Junior Cooks) Boots, cook, non-slip, with protective toe cap
Butchers	Apron, Foodhandler Cap, Foodhandler Coat, Foodhandler

<i>Medical and Dental Sailors</i>	..	Shirt, man's, summer, white, long sleeves Trousers, men's, polyester/viscose, Class I and II
<i>Aircraft Maintenance Sailors</i>	..	Shoes, safety, brown
<i>Apprentices</i>	..	Spectacles, safety
<i>Wrans Stewards</i>	..	Coat, white, drill
<i>Wrans Cooks</i>	..	Dress, Foodhandler
<i>Wrans Medical and Dental Assistants</i>	..	Apron, white Dress, blue
<i>RANNS</i>	..	Dress, cotton, white, long sleeves Veil, organdie
<i>General</i>	..	Coveralls, safety, industrial
<i>General</i>	..	Cap, utility, blue, working
<i>General</i>	..	Boot, man's, non-slip, with protective toe cap.

5. Items required for personal loan issue may be drawn from Repayment Account, as required, and branded prior to issue.

6. In addition, when worn as working dress, the following items may be laundered at public expense on an 'as required basis':

Category	Items of Clothing
<i>Stewards</i>	Flannels, cotton Shorts, white
<i>Wrans Stewards</i>	Dress, woman's, white
<i>Wrans Motor Transport Drivers</i>	Dress, woman's, white

7. Commanding Officers are to ensure maximum economy when administering these arrangements.

8. Navy Order 345/72 is hereby cancelled.

(901/62/1)

(Navy Order 345/72)

## UNCLASSIFIED

### 16/75—RAN Ships, Submarines and Training Establishments—Safety—Alpha-Laval Lubricating Oil and Fuel Oil Centrifuges and Separators

1. As a result of an accident with an unbalanced bowl assembly in the MOD (NAVY) in which a centrifuge disintegrated with fatal results, only dynamically balanced bowl assemblies and bowl spindles (complete with worm) in lubricating oil and fuel oil centrifuges and separators will in future be issued by SMSO to HMA ships, submarines and refitting authorities.

2. Since the parts comprising bowl assemblies are not inter-changeable, and the complete assemblies require to be dynamically balanced, no issue of separate components for bowl assemblies will be made. All complete bowl assemblies and/or components of these items (which are of Alpha-Laval manufacture) held as on-board spares are to be returned to SMSO, Sydney, quoting this Navy Order as the authority for return.

3. Users are to demand bowl assemblies or bowl spindles (complete with worm) when individual components are found defective. Defective assemblies are to be returned to stores for repair and/or reconditioning, including final dynamically balancing. Currently approved allowances of on-board spares will be reviewed to determine whether allowances of complete bowl assemblies should be increased.

4. Navy Order 510/71 is hereby cancelled.

(1211/51/793)

(Navy Order 510/71)

## UNCLASSIFIED

### 17/75—Scrambling Nets—Fitting in HMA Ships

1. Experience of rescuing men from the water shows that while some are able to haul themselves up and some are able to hold a rope, the majority are unable to help themselves. Further, there is a danger that as soon as men who are exhausted by their efforts think they are safe, they unwittingly relax. It is important therefore that they should be secured as soon as possible.

2. Accordingly it has been policy for some time for scrambling nets to be carried by all HMA ships:

- to enable men to go down the ship's side to assist exhausted personnel up;
- to allow men in a crowded boat, in a seaway, to be speedily embarked; and
- so as to avoid the necessity of bringing a potentially dangerous craft alongside, to enable its crew to swim to the scrambling nets to be brought inboard.

3. The scrambling nets are to be manufactured of 20 mm diameter (or 2½ inch circle) four stranded manila rope. The revised scale of allowances of metric sized nets is detailed hereunder:

Class of Ship	Class	Catalogue No	Description Metres		Unit of Issue	Acctg Classn	Qty
			Width	Drop			
CV	..	2090	66-084-9526	5.00 x 7.50	EA	P	2
AD	..	2090	66-084-9527	5.00 x 8.50	EA	P	2
AO	..	2090	66-084-9527	5.00 x 8.50	EA	P	2
DDG	..	2090	66-084-9524	2.75 x 4.75	EA	P	2
DD	..	2090	66-084-9523	2.75 x 3.75	EA	P	2
DE	..	2090	66-084-9525	2.75 x 5.25	EA	P	2
MHC and MSC	} ..	2090	66-084-9524	2.75 x 4.75	EA	P	1
AGS	..	2090	66-084-9524	2.75 x 4.75	EA	P	2
AGSC	..	2090	66-084-9524	2.75 x 4.75	EA	P	2
AGOR	..	2090	66-084-9524	2.75 x 4.75	EA	P	2
LOCH	..	2090	66-084-9522	2.75 x 2.75	EA	P	1

*Note:* Patrol craft are to carry 1 in No scrambling net width 2.75 x drop 2.75 (m) when specifically engaged in SAR duties only.

4. Scrambling nets are to be rigged by the hinged arm method and the lower end of the drop of the nets weighted as necessary to prevent floating.

5. Hinged arms for securing of scrambling nets are to be fitted in accordance with Navy Office Drawing STDP-610200 IN (Scramble Nets, Life Saving, Supports-Stanchion).

6. When existing nets need replacing, ships are to raise demands on Superintending General Store Officer, Sydney (SGSO) (0027), to complete the revised allowances.

7. Navy Order 251/72 is hereby cancelled.

(1211/52/189)

(Navy Order 251/72)

## RESTRICTED

### 18/75—Treatment and Reporting of Wetted SEACAT Missiles

#### General

1. a. The SEACAT Missile, when fitted in the cannister base complete with sheath and cover, or when only fitted with the sheath, is relatively water-tight, however ingress of water can occur if the quick release latches are slightly worn or ill fitting or if the clamping strap on the sheath is incorrectly fitted or tightened;
- b. when missiles have been subjected to sea water contamination either on the launcher (eg, by salt spray) or in the magazine (eg, by accidental operation of the ships sprinkler system or burst pipes), the following procedures are to be followed.

#### Treatment of Missiles in a Flooded Magazine

2. a. Magazine to be drained and dried thoroughly;
- b. each missile is to be removed from its mounting spigot and moved to a clear area (if possible the missile should be loaded on the launcher) and the exterior of the cannister base and cover is to be washed with fresh water and dried;
- c. remove cover and sheath;
- d. the missile and interior of cannister base is to be inspected for ingress of sea water. If no evidence of wetting can be detected and the interior of the sheath and cover is dry then the cover and sheath are to be fitted on to the cannister base;
- e. before the missile is returned to the magazine, the mounting spigot is to be dried, cleaned and lightly greased;
- f. the log books of these particular missiles are to be annotated with the circumstances of the wetting;
- g. if evidence of wetting is detected, the affected areas are to be wiped/sponged off and lightly sprayed with fresh water (using a fine mist spray). Thoroughly dry the missile, cannister base, sheath and cover;
- h. fit sheath and cover to missile and return to magazine providing requirement of Paragraph e. has been carried out;

- i. the wetted missiles are to be rechecked at least monthly for any ships of contamination until they can be returned to the RAN Armament Depot. Details of these inspections are to be recorded in the log books.

#### Treatment of Missiles Wetted Whilst on Launcher

3. When HMA ships are operating in a sea state such that the SEACAT launcher is likely to be subject to salt spray, the sheath should be left on the missile until just prior to firing.

*Note:* The sheath is so designed that the missile can be fired through it, however, because, of the larger dispersions imparted to the missile when it is fired through the sheath, the normal practice is to remove the sheath before firing:

- a. as soon as possible after wetting the missile and cannister base are to be wiped/sponged off (particular care is to be taken to ensure that all joints and crevices are free of salt);
- b. lightly spray the missile and cannister base with fresh water using a fine mist spray;
- c. wipe/sponge off excess water and dry thoroughly. (A low pressure, warm air blower, if available, may be used to aid the drying process.);
- d. ensure that cover and sheath are dry, fit to missile and return to magazine;
- e. the wetted missiles are to be rechecked at least monthly for contamination until they can be returned to the RAN Armament Depot. Details of these inspections are to be recorded in the log books.

#### Reporting of Wetted Missiles

4. a. The serial numbers of affected missiles, details and nature of wetting is to be reported to ACNB info RANAD (Kingswood) by signal;
  - b. a Form TM199 is to accompany a wetted missile when it is landed and is to include all relevant details of the wetting and actions taken;
  - c. a single Form TM199 may be used to include more than one wetted missile where similar action has been taken for each missile;
  - d. log books are to be annotated with circumstances of wetting.
5. Navy Order 467/71 is hereby cancelled.

(740/54/133)

(Navy Order 467/71)

## UNCLASSIFIED

### 19/75—40 MM Mark 7 Mounting—Redesigned Covers

1. Redesigned covers catalogued 1010-66-072-6541 COVER GUN MOUNT for the 40 MM Mark 7 Mounting will be available for issue in the near future.

2. The covers will be issued without demand in accordance with the following priorities:

Patrol Boats	..	..	..	one each
Minesweepers	..	..	..	one each
HMAS SUPPLY	..	..	..	two each
HMAS DIAMANTINA	..	..	..	one each

3. The old style covers are to be returned to store on receipt of the new covers. (400/34/47)

AMENDMENTS

UNCLASSIFIED

20/75—Ammunition—Guns and Missiles—Interim Practice Allowances

Navy Order 8/74 is to be amended as follows:

a. Annex A, Table G:

- (1) Paragraph a—4.5 inch Ammunition—*delete* 'WM/SAAP/ETWA' and *insert* 'WM/ETW/SAAP/ETWA'.
- (2) Paragraph b 1—40/60 Ammunition—*delete* 'QMG/WM/SAAP/ETWA' and *insert* 'QMG/WM/ETW/SAAP/ETWA'.
- (3) Footnote following Paragraph d—*delete* existing *Note* and *insert* new *Note*—HMAS CERBERUS is to forward an annual report of ammunition expended at 30 June. The report is to be in a format enabling correlation with the allowances listed above. The report is also to show separately, ammunition totals of each type expended by training classes, and by ships' gunnery teams during PCT/PWT. The report should conclude with comment on the adequacy or otherwise of the allowances to meet the training commitment.'

b. Annex A, Table H: *Delete* 'CST' from Notes a. and b.

(725/52/371)

(Navy Order 8/74)

AMENDMENTS

UNCLASSIFIED

2072—Amendment—Case and Exhibit—Interior Location  
Abstract

Key Order 874 is to be amended as follows:

a. Annex A, Table 2:

- (1) Paragraph 4—42 and Amendment—denies "WM/SA/ETWA" and  
denies "WM/ETW/SA/ETWA".
- (2) Paragraph 6 1-40-00 Amendment—denies "QMG/WH/AAW  
ETWA" and denies "QMG/WH/AAW/ETWA".
- (3) Footnote following Paragraph 6—denies existing text and inserts  
denies—HMAZ CENSURE is to forward an annual report of annual  
status reported at 30 June. The report is to be in a format matching  
consistency with the abstract listed above. The report is also to  
show monthly ammunition total of each type expended by training  
class, and by other agency team during MCT FWT. The report  
should conclude with comment on the adequacy or otherwise of the  
allowance to meet the training commitment.

b. Annex A, Table 2: Denies "ET" from Foot 2 and 3

(11/12/11)

(Key Order 874)

**RESTRICTED**

**RESTRICTED**





# AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,  
20 January 1975.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

1974-75—Making Measure Uniforms Available of Australian Government  
Clothing Factory Representatives in Sydney, Brisbane and Canberra for Try On of  
Clothing for the Day

**CONTENTS**

<i>No</i>	<i>Title</i>
<b>SECTION 2—PERSONNEL</b>	
21/75	Made-to-Measure Uniforms—Availability of Australian Government Clothing Factory Representatives in Sydney, Brisbane and Canberra for Try On of Uniforms.
22/75	Made-to-Measure Uniforms for RANNS and WRANS Officers and Wrens at Melbourne and Sydney—1974-75.
23/75	Made-to-Measure Uniforms for Sailors, RAN, RANR and NRC at Melbourne, Sydney, Perth and Brisbane—1974-75.
24/75	Naval Police Made-to-Measure Uniforms at Melbourne, Sydney and Perth—1974-75.
25/75	RAN, RANR and NRC Officers' and Chaplains' Made-to-Measure Uniforms at Melbourne, Sydney, Perth and Brisbane—1974-75.
26/75	Relacing and Alteration of Lacing of Uniforms, Etc, of RAN and RANR Officers at Melbourne and Sydney—1974-75.
27/75	Uniform and Clothing Issuing Prices—Annual Revision.

NAVY ORDER 1974-75  
Navy Order  
1974-75  
Department of Defence  
P.O. Box 1000  
Canberra ACT 2600

Additional copies of Navy Orders may be readily obtained by:

- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 3461.

## Section 2

## PERSONNEL

## UNCLASSIFIED

**21/75—Made-to-Measure Uniforms—Availability of Australian Government Clothing Factory Representatives in Sydney, Brisbane and Canberra for Try On of Uniforms**

1. Details of contracts arranged with the Australian Government Clothing Factory for supply of made-to-measure uniforms to RAN personnel during 1974-75, are promulgated in Australian Navy Orders.

2. Factory representatives in Sydney, Brisbane and Canberra, located at the addresses shown below, will accept orders and take measurements, etc, for made-to-measure uniforms. Arrangements may be made with the representatives for garments to be tried on once in the 'basted' condition and again in the finished stage, at no additional charge. Any extra fittings required by the customer will be charged for at the rate of \$4.00 per extra fitting.

Sydney .. .. AGCF Representative  
Sydney Plaza Building  
59-61 Goulburn Street  
SYDNEY NSW 2000.

Brisbane .. .. AGCF Representative  
2nd Floor, Ampol House  
Herchel Street  
BRISBANE QLD 4000.

Canberra .. .. AGCF Representative  
Mr J. Alsop  
Department of Supply  
Block 1, Floor 1  
Room 133  
ANZAC West Building  
PARKES ACT 2870.

3. This order will be reprinted for posting on notice boards.

4. Navy Order 37/74 is hereby cancelled.

(901/66/14)

(Navy Order 37/74)

## UNCLASSIFIED

**22/75—Made-to-Measure Uniforms for RANNS and WRANS Officers and Wrens at Melbourne and Sydney—1974-75**

1. The official contractors for made-to-measure uniforms for RANNS and WRANS Officers and Wrens at Melbourne and Sydney for 1974-75 are listed in the following Annexes:

Sydney—Annexe A .. Norman Harris Pty Ltd, Shop C, 39 Church Street, Lidcombe, NSW 2141 (prices operative during the period 2 September 1974 to 30 June 1975).

Melbourne—Annexe B .. I. L. Wise of Melbourne, 360 Little Bourke Street, Melbourne, VIC 3000 (prices are operative during the period 25 July 1974 to 30 June 1975).

2. The terms of the contracts are as follows:

Norman Harris Pty Ltd .. Nett.

I. L. Wise of Melbourne .. 2½ per cent—thirty days, 25 per cent of full price deposit.

3. The conditions governing the purchase of uniforms under these contracts are contained in ABR 93, Chapter 26.

4. Members are warned that they themselves are responsible for ensuring that uniforms obtained under these contracts, or from private fitters, are made strictly to the approved pattern and that they are liable to disciplinary action if incorrect uniform is worn.

5. This order will be reprinted for posting on notice boards.

6. Navy Order 38/74 is hereby cancelled.

**ANNEXE A****Norman Harris Pty Ltd, Sydney—Made-to-Measure Uniforms For RANNS and WRANS Officers and Wrens—1974-75**

	Price \$
<i>RANNS Officers</i>	
COAT, WOMAN'S, CLOTH, WOOL, BARATHEA NO 2 (including distinction cloth):	
Matron .. .. .	80.78
Superintending Sister .. .. .	79.93
Senior Sister .. .. .	77.33
Sister .. .. .	71.98
SKIRT, WOMAN'S, CLOTH, WOOL, BARATHEA NO 2	16.68
CAPE, WOMAN'S, CLOTH, WOOL, BARATHEA NO 2	35.25
CLOAK, WOMAN'S, CLOTH, GABARDINE .. .. .	52.88

**ANNEXE A—continued**

Price  
\$

*WRANS Officers*

COAT, WOMAN'S, CLOTH, WOOL, BARATHEA NO 2 (including shoulder flashes):	
Unlaced .. .. .	62.73
Chief Officer .. .. .	80.33
First Officer .. .. .	79.48
Second Officer .. .. .	76.88
Third Officer .. .. .	71.53
SKIRT, WOMAN'S, CLOTH, WOOL, BARATHEA NO 2	16.68

*Wrens*

COAT, WOMAN'S, CLOTH, WOOL, TWILL NO 1 (including shoulder flashes)	53.65
SKIRT, WOMAN'S, CLOTH, WOOL, TWILL NO 1	16.35

**ANNEXE B****I. L. Wise of Melbourne Pty Ltd—Made-to-Measure Uniforms For RANNS and WRANS Officers and Wrens—1974-75**

Price  
\$

*RANNS and WRANS Officers*

COAT, WOMAN'S, CLOTH, WOOL, BARATHEA NO 2	53.70
SKIRT, WOMAN'S, CLOTH, WOOL, BARATHEA NO 2	17.32
Lacing of Sleeves of WRANS Officers Coats:	
Captain .. .. .	25.25
Chief Officer .. .. .	23.15
First Officer .. .. .	22.25
Second Officer .. .. .	19.05
Third Officer .. .. .	15.45
Lacing of Sleeves of RANNS Officers (including distinction cloth):	
Matron .. .. .	25.65
Superintending Sister .. .. .	24.75
Senior Sister .. .. .	20.45
Sister .. .. .	16.85

*Wrens*

COAT, WOMAN'S, CLOTH, WOOL, TWILL NO 1, WITH GILT BUTTONS WO	51.60
COAT, WOMAN'S CLOTH, WOOL, TWILL NO 1, WITH GILT BUTTONS CPO and PO	51.90
COAT, WOMAN'S, CLOTH, WOOL, TWILL NO 1 WITH HORN BUTTONS	51.12

## ANNEXE B—continued

	Price \$
SKIRT, WOMAN'S, CLOTH, WOOL, TWILL NO 1 .. .. .	15.15
Attachment of Shoulder Flashes 'Australia' .. .. .	1.45 per coat
Sewing on Medal Ribbons .. .. .	1.45 per coat
Sewing on of Badges .. .. .	1.45 per coat

(Medal Ribbons and Badges are to be supplied by the individual)

(901/66/14)

(Navy Order 38/74)

## UNCLASSIFIED

### 23/75—Made-to-Measure Uniforms for Sailors, RAN, RANR and NRC at Melbourne, Sydney, Perth and Brisbane—1974-75

1. The official contractors for made-to-measure uniforms for RAN Sailors for 1974-75 are:

Sydney .. .. .	<p><i>Primary Contractor:</i> Norman Harris Pty Ltd, Shop C, 39 Church Street, LIDCOMBE NSW 2141</p> <p><i>Secondary Contractor:</i> Swedex Clothing Pty Ltd, 480 Elizabeth Street, SURRY HILLS NSW 2010</p>
Perth .. .. .	<p>Mr K. H. McAullay, 370 Murray Street, PERTH WA 6000</p>
Brisbane .. .. .	<p>M. Leiboff and Son, 95 Brunswick Street, FORTITUDE VALLEY QLD 4006</p>
Melbourne .. .. .	<p>Australian Government Clothing Factory, 14 Gaffney Street, COBURG VIC 3058.</p>

2. The prices which will operate during the period 1 August 1974 to 30 June 1975 are listed in Annex A.

3. Terms of the contracts are as follows:

AGCF .. .. .	..	..	Nett FOR/FOB, Melbourne
Norman Harris Pty Ltd .. .. .	..	..	Nett
Swedex Clothing Pty Ltd .. .. .	..	..	2½ per cent—seven days
K. H. McAullay .. .. .	..	..	Nett
M. Leiboff and Son .. .. .	..	..	Nett.

4. The conditions governing purchases of uniforms under these contracts are contained in ABR 93, Chapter 26.

5. Sailors are warned that they themselves are responsible for ensuring that uniforms obtained under these contracts or from private outfitters are made strictly to the approved patterns and that they are liable to disciplinary action if incorrect uniform is worn.

6. This will be reprinted for notice board issue.

7. Navy Order 39/74 is hereby cancelled.

## ANNEXE A

## Sailors—Class I, II and III

Items of Uniform	Norman Harris Pty Ltd, Sydney	Swedex Clothing Pty Ltd, Sydney	K. H. McAullay, Perth	M. Leiboff and Son, Brisbane	AGCF, Melbourne
	\$	\$	\$	\$	\$
BLAZER, MAN'S, CLOTH, WOOL, FLANNEL, WORSTED, BLUE, SINGLE BREASTED, POCKETS, UNBADGED, Junior Recruits (Officer Candidate) ..	—	—	60.25	—	—
COAT, MAN'S, CLOTH, WOOL, SERGE NO 2, DOUBLE BREASTED, WITH GILT BUTTONS, CPO ..	53.92	64.90	73.75	87.21	52.76
COAT, MAN'S, CLOTH, WOOL, SERGE NO 2, DOUBLE BREASTED, WITH GILT BUTTONS, PO ..	52.90	64.50	73.75	86.91	51.83
COAT, MAN'S, CLOTH, WOOL, SERGE NO 2, DOUBLE BREASTED, WITH GILT BUTTONS, WITHOUT CUFF BUTTONS ..	—	—	—	—	50.99
COAT, MAN'S, CLOTH, WOOL, SERGE NO 2, DOUBLE BREASTED, WITH GILT BUTTONS, Senior Instructor, NRC ..	52.90	64.50	73.75	87.21	—
COAT, MAN'S, CLOTH, WOOL, SERGE NO 2, DOUBLE BREASTED, WITH GILT BUTTONS, Instructor, NRC ..	51.89	64.50	73.75	86.91	—
COAT, MAN'S, WHITE, POLYESTER/VISCOSE, WITH GILT BUTTONS, CPO ..	21.60	—	44.85	40.91	16.87
COAT, MAN'S, WHITE, POLYESTER/VISCOSE, WITH GILT BUTTONS, PO ..	21.30	—	44.85	39.71	15.60
COAT, MAN'S, WHITE, POLYESTER/VISCOSE, WITHOUT GILT BUTTONS, Class I and III ..	20.15	—	43.25	21.93	14.62
JACKET, MAN'S, MESS, CLOTH, WOOL, Baratheia No 2, WO and CPO ..	64.77	59.00	—	—	75.00
JACKET, MAN'S, MESS, WHITE, POLYESTER/VISCOSE, WITH GILT BUTTONS ..	19.87	—	—	—	29.46
JACKET, MAN'S, MESS, WHITE, POLYESTER/VISCOSE, WITHOUT GILT BUTTONS ..	18.25	—	—	—	27.79
JUMPER, MAN'S, CLOTH, WOOL, SERGE NO 1 ..	28.95	—	42.80	—	16.20
JUMPER, MAN'S, DRILL, WHITE ..	—	—	—	—	9.85
TROUSERS, MEN'S, CLOTH, WOOL, MELANGE, GREY, Junior Recruits (Officer Candidate only) ..	—	—	25.30	—	21.00
TROUSERS, MEN'S, CLOTH, WOOL, SERGE No 1, Class II ..	19.97	—	28.65	—	21.00
TROUSERS, MEN'S, CLOTH, WOOL, SERGE No 2, Class I and III ..	20.73	26.00	28.10	25.77	19.73
TROUSERS, MEN'S, DRILL, WHITE, Class II ..	13.59	—	—	—	16.50
TROUSERS, MEN'S, WHITE, POLYESTER/VISCOSE, Class I and III ..	15.80	—	21.30	21.93	16.50
<i>Extra Charges:</i> Sewing on of Shoulder Flash, 'Australia' ..	Costs included in above prices.	Costs included in above prices.	1.45 per pair	0.80 per uniform, gold	—

## ANNEXE A—continued

Items of Uniform	Norman Harris Pty Ltd, Sydney	Swedex Clothing Pty Ltd, Sydney	K. H. McAullay, Perth	M. Leiboff and Son, Brisbane	AGCF, Melbourne
	\$	\$	\$	\$	\$
*Sewing on of badges, etc.	—	—	1.75 per badge	0.75 per uniform, blue 0.60 per uniform	—
Taping on bottom of trousers, cloth, wool, serge No 1, Class II, with fly	—	—	1.45 per pair	—	—

\* Note: Badges are to be supplied by the individual.

(901/66/14)

(Navy Order 39/74)

## UNCLASSIFIED

## 24/75—Naval Police Made-to-Measure Uniforms at Melbourne, Sydney and Perth—1974-75

1. Made-to-measure uniforms may be obtained from the undermentioned contractors during the period 1 August 1974 to 30 June 1975:

Sydney	..	..	..	Primary Contractor: Norman Harris Pty Ltd, Shop C, 39 Church Street, LIDCOMBE NSW 2141 Secondary Contractor: Swedex Clothing Pty Ltd, 480 Elizabeth Street, SURRY HILLS NSW 2010. Note: Swedex Clothing Pty Ltd is the only contractor for khaki uniform in New South Wales.
Melbourne	..	..	..	Australian Government Clothing Factory, 14 Gaffney Street, COBURG VIC 3058
Perth	..	..	..	K. H. McAullay & Co, 370 Murray Street, PERTH WA 6000.

2. Terms of the contracts are as follows:

Norman Harris Pty Ltd	..	..	..	Nett
Swedex Clothing Pty Ltd	..	..	..	2½ per cent—seven days
AGCF	..	..	..	Nett.
K. H. McAullay	..	..	..	Nett.

3. The prices which will operate during the above period are as listed in Annex A.

4. Navy Order 40/74 is hereby cancelled,

## ANNEXE A

## Naval Police—Made-to-Measure Uniforms at Melbourne, Sydney and Perth—1974-75

Items of Uniform	K. H. McAullay, Perth	Norman Harris, Sydney	Swedex Clothing, Sydney	AGCF, Melbourne
	\$	\$	\$	\$
COAT, MAN'S, CLOTH, WOOL, SERGE No 2, Chief Inspector, with Buttons	—	85.35	80.00	—
COAT, MAN'S, CLOTH, WOOL, SERGE No 2, Inspector, with Buttons	—	83.05	75.00	—
COAT, MAN'S CLOTH, WOOL, SERGE No 2, Sub-Inspector, with Buttons	—	77.40	75.00	—
COAT, MAN'S, CLOTH, WOOL, SERGE No 2, Police, with Buttons	64.15	66.40	69.50	49.92
COAT, MAN'S, CLOTH, WOOL, BARATHEA No 2, Chief Inspector, with Buttons	—	82.83	80.00	—
COAT, MAN'S, CLOTH, WOOL, BARATHEA No 2, Inspector, with Buttons	—	80.53	75.00	—
COAT, MAN'S, CLOTH, WOOL, BARATHEA No 2, Sub-Inspector, with Buttons	—	74.88	75.00	—
COAT, MAN'S, CLOTH, WOOL/POLYESTER, Blue, Chief Inspector	—	78.89	75.00	—
COAT, MAN'S, CLOTH, WOOL/POLYESTER, BLUE, Inspector	—	76.59	70.00	—
COAT, MAN'S, CLOTH, WOOL/POLYESTER, BLUE, Sub-Inspector	—	70.94	70.00	—
TROUSERS, MEN'S, CLOTH, WOOL, SERGE No 2, Police	24.45	18.33	26.00	28.31
TROUSERS, MEN'S, CLOTH, WOOL/POLYESTER, BLUE, Police Officer	—	17.20	22.00	—
TROUSERS, MEN'S, CLOTH, WOOL, BARATHEA No 2, Police	—	18.00	25.00	—
COAT, MAN'S, CLOTH, WOOL/POLYESTER, KHAKI, for Chief Inspector, including Shoulder Straps	—	—	69.00	—
COAT, MAN'S, CLOTH, WOOL/POLYESTER, KHAKI, for Inspector, including Shoulder Straps	—	—	64.00	—
COAT, MAN'S, CLOTH, WOOL/POLYESTER, KHAKI, for Sub-Inspector, including Shoulder Straps	—	—	64.00	—
TROUSERS, MEN'S, Naval Police Officer	—	—	21.50	—

(901/66/14)

(Navy Order 40/74)

## UNCLASSIFIED

## 25/75—RAN, RANR and NRC Officers' and Chaplains' Made-to-Measure Uniforms at Melbourne, Sydney, Perth and Brisbane—1974-75

1. The official contractors for made-to-measure uniforms for RAN, RANR and NRC Officers and Chaplains are listed in the following Annexes:

## Sydney

## a. Primary Contractor:

Annexe A. RAN, RANR and NRC Officers	Norman Harris Pty Ltd, Shop C, 39 Church Street, LIDCOMBE NSW 2141
Annexe B. Chaplains	..

b. Secondary Contractor:

Annexe C. RAN, RANR and NRC Officers Swedex Clothing Pty Ltd, 480 Elizabeth Street, SURRY HILLS NSW 2010

Perth

Annexe D. RAN, RANR and NRC Officers K. H. McAullay & Co, 370 Murray Street, PERTH WA 6000

Brisbane

Annexe E. RAN, RANR and NRC Officers M. Leiboff and Son, 95 Brunswick Street, FORTITUDE VALLEY QLD 4006

Melbourne

Annexe F. RAN, RANR and NRC Officers I. L. Wise of Melbourne Pty Ltd, 360 Little Bourke Street, MELBOURNE VIC 3000.

Annexe G. RAN and RANR Officers The Australian Government Clothing Factory, 14 Gaffney Street, COBURG VIC 3058.

Annexe H. Chaplain .. .. .

2. Terms of the contracts are as follows:

- Norman Harris Pty Ltd .. Nett
- Swedex Clothing Pty Ltd .. 2½ per cent—seven days
- K. H. McAullay and Co .. Nett
- M. Leiboff and Son .. Nett
- I. L. Wise of Melbourne Pty Ltd 2½ per cent—thirty days, 25 per cent of full price deposit
- Australian Government Clothing Factory Nett FOR/FOB Melbourne.

3. The conditions governing the purchase of uniforms under these contracts are contained in ABR 93, Chapter 26.

4. Navy Order 41/74 is hereby cancelled.

ANNEXE A

Norman Harris Pty Ltd—Made-to-Measure Uniforms for Officers—1974-75

Rank	Cloth, Wool, Barathea No 2			Cloth, Wool/ Polyester Blue
	Coat, Undress	Coat, Undress, Tail	Jacket Mess	Coat, Undress
	\$	\$	\$	\$
<b>RAN—</b>				
Officer (Unlaced) .. .. .	66.73	—	64.77	67.87
Sub-Lieutenant .. .. .	75.98	—	74.02	77.12
Lieutenant .. .. .	81.33	—	78.65	82.93
Lieutenant-Commander .. .. .	83.93	—	81.08	84.18
Commander .. .. .	84.78	—	82.10	85.21
Captain .. .. .	87.68	116.08	85.56	89.28
Commodore .. .. .	84.41	112.45	82.03	85.77
Rear-Admiral .. .. .	95.13	113.98	92.45	95.60
Vice-Admiral .. .. .	98.65	117.00	95.97	99.13
<b>RANR—</b>				
Sub-Lieutenant .. .. .	76.26	—	74.30	77.40
Lieutenant .. .. .	84.49	—	78.93	83.21
Lieutenant-Commander .. .. .	84.21	—	81.36	84.36
Commander .. .. .	84.23	—	82.38	84.22
<b>NRC—</b>				
Sub-Lieutenant .. .. .	73.73	—	—	74.03
Lieutenant .. .. .	75.15	—	—	75.80
Lieutenant-Commander .. .. .	77.45	—	—	73.63

- Notes: 1. The above prices include the cost for sewing on shoulder flashes 'Australia' with the exception of Vice-Admiral and Rear-Admiral and Naval Reserve Cadets.
2. Attachment of shoulder flashes 'Australia'—\$1.00 per coat.
3. Addition of distinction cloth, between lace, when required—\$0.45 per coat.
4. Addition of decoration and medal ribbons (to be supplied by Officer)—\$0.50 per ribbon per coat.
5. Addition of attachment for aiguillette (to be supplied by Officer)—\$2 per coat.

ANNEXE A—continued

All Ranks	Cloth, Polyester/ Viscose, White	Cloth, Wool, Barathea No 2	Cloth, Wool/ Polyester Blue
	\$	\$	\$
COAT, MAN'S, BUSH, POLYESTER/VISCOSE, WHITE (for Commander and above)	36.65	—	—
COAT, MAN'S, POLYESTER/VISCOSE, WHITE, OFFICER, WITH GILT BUTTONS	21.60	—	—
COAT, MAN'S, POLYESTER/VISCOSE, WHITE, OFFICER, WITHOUT GILT BUTTONS	20.15	—	—
JACKET, MAN'S, MESS, POLYESTER/VISCOSE WHITE, OFFICER, WITH GILT BUTTONS	19.97	—	—
JACKET, MAN'S, MESS, POLYESTER/VISCOSE WHITE, OFFICER, WITHOUT GILT BUTTONS	18.35	—	—
TROUSERS, MEN'S, OFFICER	15.80	22.25	19.88
TROUSERS, MEN'S, OFFICER (with Gold Lace)	—	67.50	—
TROUSERS, MEN'S, MESS, OFFICER	—	22.75	—
VEST, MAN'S, MESS, OFFICER	16.25	19.75	—

Note: Permanent pressing of trousers with SI-RO-SET process for all wool cloths only—\$1.40 per pair.

ANNEXE B

Norman Harris Pty Ltd—Made-to-Measure Uniforms for Chaplains—1974-75

Item	Price
	\$
COAT, MAN'S, UNDRESS (without gold lace)—	
CLOTH, WOOL, BARATHEA No 2	66.58
CLOTH, WOOL, POLYESTER	67.72
TROUSERS, MEN'S, OFFICER—	
CLOTH, WOOL, BARATHEA No 2	22.25
CLOTH, WOOL, POLYESTER	19.88
JACKET, DINNER—	
CLOTH, WOOL, BARATHEA No 2	83.75
CLOTH, WOOL, POLYESTER	79.75

ANNEXE C

Swedex Clothing Pty Ltd—Made-to-Measure Uniforms for Officers—1974-75

Rank	Cloth, Wool, Barathea No 2		Cloth, Wool/ Polyester, Blue
	Coat, Undress	Jacket, Mess	Coat, Undress
	\$	\$	\$
<b>RAN—</b>			
Officer (Unlaced)	63.00	59.00	63.00
Sub-Lieutenant	74.00	69.00	71.00
Lieutenant	74.00	69.00	71.00
Lieutenant-Commander	80.00	74.00	76.00
Commander	80.00	74.00	76.00
Captain	80.00	74.00	76.00
Commodore	85.00	80.00	82.00
Rear-Admiral	84.00	79.00	81.00
Vice-Admiral	84.00	79.00	81.00
<b>RANR—</b>			
Sub-Lieutenant	80.00	69.00	71.00
Lieutenant	80.00	69.00	71.00
Lieutenant-Commander	80.00	74.00	76.00
Commander	80.00	74.00	76.00
<b>NRC—</b>			
Sub-Lieutenant	73.00	—	70.00
Lieutenant	73.00	—	70.00
Lieutenant-Commander	79.00	—	75.00

Note: 1. The above prices include the cost for sewing on shoulder flashes 'Australia' with the exception of Vice-Admiral and Rear-Admiral and Naval Reserve Cadets.



## ANNEXE C—continued

All Ranks	Cloth, Wool, Barathea No 2	Cloth, Wool/ Polyester, Blue
	\$	\$
TROUSERS, MEN'S, OFFICER .. .. .	25.50	22.00
TROUSERS, MEN'S, OFFICER (with gold lace) .. .. .	50.50	47.50
TROUSERS, MEN'S, MESS, OFFICER .. .. .	27.50	22.50
VEST, MAN'S, MESS, OFFICER .. .. .	25.00	20.00

- Notes: 1. Addition of distinction cloth—\$1.50 per coat.  
 2. Addition of decoration and medal ribbons (to be supplied by officers)—\$1.50 complete.  
 3. Addition of attachment for aiguillettes (to be supplied by officers)—\$2.00 per coat.  
 4. Attachment of shoulder flashes 'Australia'—\$1.00 per coat.

## ANNEXE D

## K. H. McAullay and Co, Perth—Made-to-Measure Uniforms for RAN, RANR and NRC Officers—1974-75

All Ranks	Cloth, Polyester/ Viscose, White	Cloth, Wool, Barathea No 2	Cloth, Wool/ Polyester, Blue
	\$	\$	\$
COAT, MAN'S, POLYESTER/VISCOSE, without buttons .. .. .	43.25	—	—
COAT, MAN'S, UNDRRESS, Officer (unlaced) .. .. .	—	69.90	65.55
TROUSERS, MEN'S, Officer .. .. .	21.50	25.30	20.70

## ANNEXE D—continued

Note: Additional costs for:

## 1. Lacing and shoulder straps:

Rank	Coat, Undress		Shoulder Straps	
	Machine Sewn	Hand Sewn	Machine Sewn	Hand Sewn
	\$	\$	\$	\$
Sub-Lieutenant .. .. .	12.95	15.80	4.05	6.90
Lieutenant .. .. .	14.35	17.25	4.60	7.50
Lieutenant-Commander .. .. .	14.35	17.25	4.60	7.50
Commander .. .. .	17.25	20.10	5.15	8.05
Captain .. .. .	20.10	23.00	5.75	8.65

## 2. Alteration to lacing and shoulder straps on promotion or conversion:

Rank	Coat, Undress		Shoulder Straps	
	Machine Sewn	Hand Sewn	Machine Sewn	Hand Sewn
	\$	\$	\$	\$
Sub-Lieutenant .. .. .	12.95	15.80	4.05	6.90
Lieutenant .. .. .	14.35	17.25	4.60	7.50
Lieutenant-Commander .. .. .	14.35	17.25	4.60	7.50
Commander .. .. .	17.25	20.10	5.15	8.05
Captain .. .. .	20.10	23.00	5.75	8.65

3. Affixing of letter 'R' (2 per uniform)—\$1.75 per uniform.  
 4. Affixing of distinction cloth between rows of gold lace—\$1.75 per strip.  
 5. Affixing shoulder flashes 'Australia'—\$1.45 per pair.

## ANNEXE E

## M. Leiboff and Son, Brisbane—Made-to-Measure Uniforms for RAN, RANR and NRC Officers—1974-75

Item of Uniform	Cloth, White, Polyester/ Viscose	Cloth, Wool Barathea No. 2	Cloth, Wool/ Polyester, Blue
	\$	\$	\$
COAT, MAN'S, UNDRESS, Officer (Unlaced) ..	—	83.89	79.11
COAT, MAN'S, WHITE, POLYESTER/VISCOSE, WITH Gilt Buttons .. .. .	40.40	—	—
COAT, MAN'S, WHITE, POLYESTER/VISCOSE, WITHOUT Gilt Buttons .. .. .	38.83	—	—
TROUSERS, MEN'S, OFFICER .. .. .	21.93	23.69	20.44

Notes: 1. Official orders may be lodged for blue undress uniforms only.

2. Additional costs for:

a. Affixing gold lace to coat, undress:

Rank		RAN and RANR \$	NRC \$
Sub-Lieutenant .. .. .	per coat	15.79	15.79
Lieutenant .. .. .	per coat	22.38	22.38
Lieutenant-Commander .. .. .	per coat	27.92	27.92
Commander .. .. .	per coat	28.96	28.96
Captain .. .. .	per coat	35.55	35.55

- b. Affixing shoulder flashes 'Australia' (gold woven)—\$0.80 per uniform.  
 c. Affixing shoulder flashes 'Australia' (blue on white woven)—\$0.75 per uniform.  
 d. Affixing rank or branch badge (badge to be supplied by individual)—\$0.60 per uniform.  
 e. Affixing medal ribbons (ribbons to be supplied by individual)—\$2.00 per uniform.  
 f. Affixing shoulder flashes, NRC (gold woven)—\$0.92 per uniform.

## ANNEXE F

## I. L. Wise of Melbourne—Made-to-Measure Uniforms for RAN, RANR and NRC Officers—1974-75

All Ranks	Cloth, Wool, Barathea No 2	Cloth, Wool, Polyester, Blue
	\$	\$
COAT, MAN'S, UNDRESS, OFFICER (Unlaced) .. .. .	56.30	52.36
JACKET, MESS, OFFICER (Unlaced) .. .. .	57.20	—
VEST, MESS, OFFICER .. .. .	15.50	—
TROUSERS, MEN'S, OFFICER .. .. .	18.63	15.90
TROUSERS, MEN'S, MESS, OFFICER .. .. .	19.23	—

Note: Additional costs for:

1. Affixing gold lace to Undress Coats and Mess Jackets:

	RAN and RANR \$	NRC \$
Captain .. .. .	25.25	—
Commander .. .. .	23.15	—
Lieutenant-Commander .. .. .	22.25	27.25
Lieutenant .. .. .	19.05	24.05
Sub-Lieutenant .. .. .	15.45	20.45

2. Sewing on of distinction cloth:

Captain .. .. .	3.40 per coat
Commander .. .. .	2.40 per coat
Lieutenant-Commander .. .. .	2.40 per coat
Lieutenant .. .. .	1.40 per coat
Sub-Lieutenant .. .. .	1.40 per coat

3. Affixing letters 'R' to RANR uniform .. .. . 2.90 per coat

4. Affixing shoulder flashes 'Australia' .. .. . 1.45 per coat

5. Sewing on of medal ribbons (ribbons to be provided by individual) .. .. . 1.45 per coat

6. Affixing gorget patches to Midshipman's uniform .. .. . 5.11 per coat

## ANNEXE G

## Australian Government Clothing Factory, Melbourne—Made-to-Measure Uniforms for Officers—1974-75

Rank	Cloth, Wool, Barathea No 2			
	Coat, Man's, Undress, Officer	Coat, Man's, Undress, Tail, Officer	Jacket, Man's, Mess, Officer	Shoulder Straps (Per Pair)
	\$	\$	\$	\$
Officer (unlaced) .. .. .	49.51	—	75.00	—
Midshipman (with white turn backs) ..	56.37	—	81.82	7.24
Sub-Lieutenant .. .. .	62.59	—	88.08	13.23
Lieutenant .. .. .	69.23	—	94.72	14.79
Lieutenant-Commander .. .. .	75.00	—	100.49	16.24
Commander .. .. .	75.94	—	101.43	16.41
Captain .. .. .	82.61	118.53	108.10	18.06
Commodore .. .. .	67.41	103.33	92.90	15.88
Rear-Admiral .. .. .	75.20	111.14	100.69	45.56
Vice-Admiral .. .. .	81.90	117.82	107.39	48.52

## Uniforms for Officers—RANR:

The above schedule of prices is applicable, with the addition of—\$1.70 per garment or per set of shoulder straps for the addition of letter 'R'.

- Notes: 1. Affixing shoulder flashes 'Australia'—\$0.75 per coat.  
2. The above prices include the cost of distinction cloth between lace where required.

## ANNEXE G

## All Officer Ranks

All Officer Ranks	Price Per Garment \$
COAT, MAN'S, BUSH, POLYESTER/VISCOSE, White for Commander and above), with Gilt Buttons	49.90
COAT, MANS, POLYESTER/VISCOSE, White, Officer, with Gilt Buttons	32.87
COAT, MAN'S, POLYESTER/VISCOSE, White, Officer, without Gilt Buttons	31.74
JACKET, MAN'S, MESS, POLYESTER/VISCOSE, White, Officer, with Gilt Buttons	29.46

## ANNEXE G—continued

All Officer Ranks	Price Per Garment \$
JACKET, MAN'S, MESS, POLYESTER/VISCOSE, White, Officer, without Gilt Buttons	27.79
RAINCOAT, MAN'S, WOOL/POLYESTER, Gabardine, Officer	37.37
TROUSERS, MEN'S, POLYESTER/VISCOSE, White, Officer ..	15.00
TROUSERS, MEN'S, WOOL, BARATHEA NO 2, Officer* ..	21.00
TROUSERS, MEN'S, MESS, WOOL, BARATHEA NO 2, Officer*	24.52
VEST, MAN'S, MESS, COTTON, MARCELLA, White, Officer	20.06
VEST, MAN'S, MESS, WOOL, BARATHEA NO 2, Officer ..	25.00
Lace, Gold, $\frac{3}{8}$ " (complete with curl, ready for placing on cuffs) ..	7.16 per pair
Lace, Gold, $\frac{1}{2}$ " (complete with curl, ready for placing on shoulder)	5.34 per pair

Note: Permanent creasing, by SI-RO-Set method, of trousers marked \* can be effected, if desired, at an additional cost of \$1.50 per pair.

## ANNEXE H

## Australian Government Clothing Factory, Melbourne—Made-to-Measure Uniforms for Naval Chaplains

Item	Price Per Garment \$
COAT, MAN'S, UNDRRESS, Black Serge Cloth (without Gold Lace) ..	52.05
COAT, MAN'S, UNDRRESS, Blue, Barathea No 2 .. .. .	49.51
TROUSERS, MEN'S, Black Serge Cloth .. .. .	21.00
TROUSERS, MEN'S, Blue, Barathea No 2 .. .. .	21.00

(901/66/14)

(Navy Order 41/74)

## UNCLASSIFIED

## 26/75—Relacing and Alteration of Lacing of Uniforms, Etc, of RAN and RANR Officers at Melbourne and Sydney—1974-75

1. The prices applicable to relacing and alteration of lacing effected to RAN and RANR Officers' Uniforms, etc, in Sydney are detailed in Annexe A to this order. The official contractor is Segrave Pty Ltd, 810 George Street, Sydney.

2. Firm prices are not available from the Australian Government Clothing Factory, 14 Gaffney Street, Coburg, VIC 3058, but a quotation may be obtained on application.

3. Navy Order 36/74 is hereby cancelled.

## ANNEXE A

## Relacing and Alteration of Lacing of Uniforms, etc, 1974-75—Segrave Pty Ltd, NSW

	Relacing*		Alteration	
	Coat, Undress and Jacket, Mess	Shoulder Straps	Coat, Undress and Jacket, Mess	Shoulder Straps
	\$	\$	\$	\$
<i>On Promotion:</i>				
Sub-Lieutenant .. .. .	21.90	17.41	—	—
Lieutenant .. .. .	28.75	19.87	10.85	14.29
Lieutenant-Commander .. .. .	33.95	22.07	13.00	15.84
Commander .. .. .	35.50	22.41	14.50	16.10
Captain .. .. .	40.35	24.78	18.10	16.10
Commodore .. .. .	33.85	—	33.63	—
Rear-Admiral .. .. .	40.57	—	28.93	—
Vice-Admiral .. .. .	44.11	—	32.12	—
<i>With Distinction Cloth Between Lace:</i>				
Sub-Lieutenant .. .. .	22.25	17.76	—	—
Lieutenant .. .. .	29.10	20.22	11.20	14.64
Lieutenant-Commander .. .. .	34.30	22.42	13.35	16.19
Commander .. .. .	35.85	22.76	14.85	16.45
Captain .. .. .	40.70	25.13	18.45	16.45
<i>On Reversion To:</i>				
Sub-Lieutenant (from A/Lieutenant)	21.90	17.41	7.68	10.02
Lieutenant (from A/Lieutenant- Commander) .. .. .	28.75	19.87	11.27	11.83
Lieutenant-Commander (from A/Commander) .. .. .	33.95	22.07	12.96	14.02
Commander (from A/Captain) .. .. .	35.50	22.41	7.68	10.02
<i>With Distinction Cloth Between Lace:</i>				
Sub-Lieutenant (from A/Lieutenant)	22.25	17.76	8.03	10.37
Lieutenant (from A/Lieutenant- Commander) .. .. .	29.10	20.22	11.62	12.18
Lieutenant-Commander (from A/Commander) .. .. .	34.30	22.42	13.31	13.66
Commander (from A/Captain) .. .. .	35.85	22.76	8.03	10.37

\* Removal of existing lace and relacing with all new lace.

Notes: 1. Additional cost for affixing letter 'R' in curl of lace—\$2.20 per uniform.

2. Additional cost of sewing on 'Australia' flashes—\$1.25 per uniform.

(901/66/14)

(Navy Order 36/74)

## UNCLASSIFIED

## 27/75—Uniform and Clothing Issuing Prices—Annual Revision

1. The issuing prices of uniform and clothing have been revised with effect from 1 July 1974. Copies of the pamphlet 'Official Memorandum—Prices of Clothing, etc, Maintained for Issue to Ships' Companies', together with copies of the poster, showing the revised prices have been distributed to all HMA ships and establishments. Further copies may be obtained, if required, on application to the Director of Victualling and General Stores, Department of Defence (Navy Office), Melbourne.

2. Copies of the poster are to be displayed in positions which will permit scrutiny by ships' companies.

3. Details of arrangements made for the supply of made-to-measure garments are being promulgated in Navy Orders being issued concurrently with this order. Copies of the contracts have been distributed to HMA ships and establishments in the areas concerned.

4. Orders concerning sailors are being reprinted for posting on notice boards.

5. Navy Order 42/74 is hereby cancelled.

(Navy Order 42/74)

(901/66/14)

2772—(Information and Clothing Supply—General Division)  
 2773—(Information and Clothing Supply—General Division)  
 2774—(Information and Clothing Supply—General Division)  
 2775—(Information and Clothing Supply—General Division)  
 2776—(Information and Clothing Supply—General Division)  
 2777—(Information and Clothing Supply—General Division)  
 2778—(Information and Clothing Supply—General Division)  
 2779—(Information and Clothing Supply—General Division)  
 2780—(Information and Clothing Supply—General Division)

Category	Item	Quantity	Unit Price	Total Price	Remarks
A. Other clothing items as being required for issue to units (1000)	3. Navy (1000) is being classified				
	1. (1000)	1000	1.00	1000.00	
	2. (1000)	1000	1.00	1000.00	
	3. (1000)	1000	1.00	1000.00	
	4. (1000)	1000	1.00	1000.00	
B. (1000)	1. (1000)	1000	1.00	1000.00	
	2. (1000)	1000	1.00	1000.00	
	3. (1000)	1000	1.00	1000.00	
	4. (1000)	1000	1.00	1000.00	
	5. (1000)	1000	1.00	1000.00	
C. (1000)	1. (1000)	1000	1.00	1000.00	
	2. (1000)	1000	1.00	1000.00	
	3. (1000)	1000	1.00	1000.00	
	4. (1000)	1000	1.00	1000.00	
	5. (1000)	1000	1.00	1000.00	
D. (1000)	1. (1000)	1000	1.00	1000.00	
	2. (1000)	1000	1.00	1000.00	
	3. (1000)	1000	1.00	1000.00	
	4. (1000)	1000	1.00	1000.00	
	5. (1000)	1000	1.00	1000.00	
E. (1000)	1. (1000)	1000	1.00	1000.00	
	2. (1000)	1000	1.00	1000.00	
	3. (1000)	1000	1.00	1000.00	
	4. (1000)	1000	1.00	1000.00	
	5. (1000)	1000	1.00	1000.00	

1. (1000) is being classified as being required for issue to units (1000)

2. (1000) is being classified as being required for issue to units (1000)

3. (1000) is being classified as being required for issue to units (1000)

(1000)

HISTORIAN

RESTRICTED

ANOs 28/75-44/75



# AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,  
14 February 1975.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

RESTRICTED

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*No*

*Title*

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- 28/75 Australian Defence Representation Overseas.  
29/75 DEFNAV General Messages.  
30/75 RAN School of Aviation Medicine—Functions and Courses of Instruction.  
31/75 Royal Australian Navy Sewage and Waste Steering Group—Terms of Reference.

### SECTION 2—PERSONNEL

- 32/75 Communications Sailors and Wrans—Conditions of Service in Darwin, and Leave Travel Arrangements.

### SECTION 3—OPERATIONAL AND TRAINING

- 33/75 Officers Extension Tutorial Course.

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- 34/75 Accounting for Loan Bedding and Anti-Flash Gear.  
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36/75 Introduction of Glass Fibre Material for Curtains and Drapes in HMA Ships.  
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38/75 Machinery—Lubrication Systems—Care in Opening and Closing.  
39/75 Machinery Spares—Class 4130—Vee Belt Drives in Air-conditioning Plants in HMA Ships.  
40/75 Microfiche Storage Binders and Microfiche Storage Pages for ABR 5074.  
41/75 Safety—Care in the Use of Wire Slings.

### SECTION 5—BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

- 42/75 Information Concerning and Distribution of Publications and Amendments Managed by Executive Officer Publications Sydney—October 1974.

### AMENDMENTS

- 43/75 Postings, Compassionate Cases and Discharge Procedures.  
44/75 Return of Service and Bonding—Officers.

Additional copies of Navy Orders may be readily obtained by:

- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 3461.

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

28/75—Australian Defence Representation Overseas

1. Annexe A to this order gives a list of Australian Defence representatives overseas.

2. Commanding Officers of HMA ships visiting ports of a country to which an Australian Defence representative is posted should contact the representative direct as early as practicable informing him of ETA, logreq, etc.

Correspondence

3. Unclassified mail addressed to the Defence representative should be forwarded in the Department of Foreign Affairs diplomatic bag. Classified mail addressed to the Defence representative is forwarded by the Department of Foreign Affairs diplomatic courier. Arrangements for the dispatch of mail via these channels should be made with the local Australian mission.

4. Signal communications will be made in accordance with ABR 5028 (RANCO).

5. Annexe B to this order gives the addresses of the Australian Military Advisers Representative (ASMAR) in the Military Planning Office, SEATO Headquarters, Bangkok. This officer represents the views of the Australian Military Adviser in the Military Advisers Representatives Committee and to the Chief, Military Planning Office, on all matters affecting the work and functioning of the Military Planning Office.

6. Navy Orders 14/73 and 372/74 are hereby cancelled.

ANNEXE A

Australian Services Attaches and Advisers Overseas—January 1975

Burma	..	..	..	Lieutenant-Colonel D. N. Kerr, Defence Attache, Australian Embassy, 88 Strand Road, RANGOON, BURMA.
Cambodia (Khmer Republic)	..	..	..	Colonel F. F. Albrecht, Defence Attache, Australian Embassy, 94 Moha Vithei Preah Norodon, PHNOM PENH, CAMBODIA.
India	..	..	..	Colonel J. D. Stewart, MC, Defence Adviser, Australian High Commission, 1/50-G Shantipath, Chanakyapuri, NEW DELHI, INDIA.
Indonesia	..	..	..	Captain M. A. McK. Clarke, RAN, Naval Attache, JAKARTA, c/o Department of Foreign Affairs, CANBERRA, ACT 2600.
Japan	..	..	..	Captain P. M. Rees, Defence and Naval Attache, Australian Embassy, 1-14 Mita 2-Chome, Minato-Ku, TOKYO, JAPAN.
Korea	..	..	..	Lieutenant-Colonel J. S. Kendell, Defence Attache, Australian Embassy, 32-10 Songwol-dong, Suda Moon-koo, SEOUL, KOREA.



## ANNEXE A—continued

Laos .. .. .	Colonel C. N. Kahn, DSO, Defence Attache, Australian Embassy, Quartier Phone Xay, VIENTIANE, LAOS.
Malaysia .. .. .	Group Captain J. A. Whitehead, DSO, Defence Adviser, Australian High Commission, 44 Jalan Ampang, KUALA LUMPUR, MALAYSIA.
New Zealand .. .. .	Colonel P. E. Seddon, Australian Defence Representative, Australian High Commission, ICI House, 4th Floor, Molesworth Street, WELLINGTON, NEW ZEALAND. Postal address: PO Box 12145, WELLINGTON, NEW ZEALAND.
Pakistan .. .. .	Colonel W. J. Slocombe, OBE, Defence Attache, Australian Embassy, National Bank Building, ISLAMABAD, PAKISTAN.
Philippines .. .. .	Colonel B. R. Adams, Defence Attache, Australian Embassy, L. and S. Building (7th Floor), 1414 Roxas Boulevard, MANILA, PHILIPPINES.
Singapore .. .. .	Captain D. C. Johns, RAN, Defence Adviser to the Australian High Commissioner, Singapore, Australian High Commission, Thorneycroft House, 201 Clemenceau Avenue, SINGAPORE.
Thailand .. .. .	Colonel K. J. Hill, Defence Attache, Australian Embassy, Anglo-Thai Building, 64 Silom Road, BANGKOK, THAILAND.
Vietnam .. .. .	Colonel W. M. Silverstone, Defence Attache, Australian Embassy, Caravelle Building (7th Floor), Place Lam Son, SAIGON, VIETNAM.
United Kingdom .. .. .	Commodore A. A. Willis, OBE, Australian Naval Representative United Kingdom and Naval Adviser to the High Commissioner, London, Australia House, The Strand, LONDON, WC2B, B4LA.
United States of America .. .. .	Commodore R. Percy, RAN, Naval Attache, Embassy of Australia, 1601 Massachusetts Avenue, Washington, DC 20036.

## ANNEXE B

Australian Military Advisers Representative (ASMAR), Colonel K. J. Hill.

Australian Military Advisers Representative (ASMAR), SEATO Headquarters, BANGKOK, THAILAND.

(22/1/127)

(Navy Orders 14/73 and 372/74)

## UNCLASSIFIED

## 29/75—DEFNAV General Messages

1. In accordance with Navy Order 341/74, the state of DEFNAV General Messages as at 1 January is shown in Annexe A to this order.
2. Navy Order 342/74 is hereby cancelled.

## ANNEXE A

1. The following F messages may be withdrawn:

1974

13, 149, 156, 157, 161.

2. As at 0001Z January the following Messages were in force:

1974

2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 46, 47, 48, 49, 50, 51, 52, 53, 54, 56, 57, 58, 59, 60, 61, 64, 65, 66, 67, 68, 69, 70, 71, 73, 74, 75, 76, 77, 78, 79, 80, 81, 83, 84, 85, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 109, 110, 111, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 150, 151, 152, 153, 154, 155, 158, 159, 160, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 185, 186, 187, 188, 190, 191, 192, 193, 194, 195, 196, 197, 198, 200, 201, 202, 203, 205, 206, 207, 211, 212, 213, 214, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252.

(77/1/14)

(Navy Orders 341/74, 342/74)

## UNCLASSIFIED

## 30/75—RAN School of Aviation Medicine—Functions and Courses of Instruction

1. The RAN School of Aviation Medicine, short title SAVMED is established at RAN Air Station, Nowra to carry out the following functions:
  - a. the instruction of Medical Officers in the principles and practice of medicine as applied to the special requirements of the Fleet Air Arm;
  - b. the instruction of officers and sailors in such medical subjects as may be necessary for the proper performance of their duties connected with aviation;
  - c. high altitude indoctrination of Naval aircrew;
  - d. diagnostic decompression tests as directed;
  - e. to investigate and advise on the medical aspects of Naval aviation problems, survival training matters and safety equipment; and
  - f. research.

### Co-operation With Safety Equipment and Survival Training School

2. The school works in close co-operation with the Safety Equipment and Survival Training School. One officer from the School of Aviation Medicine acts as Safety Equipment Medical Officer to both schools.

3. The Senior Medical Officer of the RAN School of Aviation Medicine is to maintain a close liaison with the RAAF Institute of Aviation Medicine, Point Cook.

### Courses for Medical Officers

4. It is the intention that at least one medical officer in Aircraft Carriers and at Naval Air Stations should have completed a recognised course in Naval Aviation Medicine.

### Courses for Aircrew

5. A course in aviation medicine will be given to aircrew as part of their Operational Officer Flying School training. A refresher course in aviation medicine will be given to all aircrew at three yearly intervals. Notation of attendance at these courses will be made in medical documents and flying log-books as follows: The year of attendance will be shown after the flying medical category eg, A1/71. The course of aviation medicine for aircrew will include hypoxia demonstrations in a decompression chamber for aircrew who may be required to fly above 10,000 feet. Lectures will be given on the following subjects:

- a. medical fitness for flying;
- b. hypoxia;
- c. decompression sickness and dysbarism;
- d. ejection;
- e. spatial disorientation;
- f. high intensity noise;
- g. acceleration and 'G' forces;
- h. day and night vision;
- i. protective and survival equipment;
- j. survival on land and sea;
- k. accident prevention; and
- l. recent advances in aerospace medicine.

6. The course of Aviation Medicine will cover the following broad outlines in the syllabus:

- a. the physiology of high altitude flying;
- b. acceleration and 'G' forces;
- c. Sub, Trans and Supersonic speed escape systems;
- d. day and night vision;
- e. clothing and equipment, including oxygen systems and pressure suits;
- f. aircrew welfare and comfort, including aircrew fatigue;
- g. survival;
- h. examination for fitness for flying;
- i. accident prevention;
- j. psychology of flying;
- k. aviation pathology;
- l. aircrew diet; and
- m. aircrew human engineering and the work loads involved in the performance of the duties associated with aircrew.

### Courses for Selected Senior Officers

7. A special short course of three days duration for Commanding Officers, Commanders (Air), Air Group Commanders and Squadron Commanders is given in conjunction with the Safety Equipment and Survival Training School in matters appertaining to the duties of these officers in aviation medicine and safety equipment.

### Courses for Medical Branch Sailors

8. Courses of 10 weeks duration are conducted to qualify sailors of the Medical Branch in the Aviation Medicine specialisation.

### Investigations and New Problems

9. Problems requiring investigation or new methods to be tried by the research and development section of the school, will be referred to the School of Aviation Medicine by the Naval Board. Matters raised by units operating aircraft are to be communicated to the Naval Board through the appropriate Administrative Authority.

10. Matters brought to light by the School of Aviation Medicine either from their own researches or from liaison with other institutes of Aviation or Aerospace Medicine are to be reported by the School of Aviation Medicine to the Naval Board through Commanding Officer, NAS Nowra, with a copy to Director General of Naval Health Services.

11. The priority in which investigations on the aforementioned subjects are to be undertaken will be arranged by Director Naval Aviation Policy after consultation with the Director General of Naval Health Services.

### Special Authority and Requirements

12. The Commanding Officer, RANAS Nowra, has authority to correspond direct with the following on routine and technical matters affecting Aviation Medicine:

- Director General of Naval Health Services
- Director Naval Aviation Policy
- Director of Naval Air Stores
- Director of Naval Victualling and General Stores
- Director of Naval Aircraft Engineering

also with—RN Air Medical School Gosport, Hants, (keeping Medical Director-General informed).

13. Navy Order 16/72 is hereby cancelled.

(Navy Order 16/72)

(2/51/64)

### UNCLASSIFIED

### 31/75—Royal Australian Navy Sewage and Waste Steering Group— Terms of Reference

1. A requirement has existed within the RAN for a body to provide direction, formulate standards and recommend equipment to deal with all aspects of sewage, garbage, waste disposal including oily waste and the consequences of oil spills.

2. The ultimate aim is that HMA ships, support craft, dockyards and establishments shall comply with all Australian and State laws and regulations, and those International regulations ratified by the Australian Government, appertaining to the prevention of the pollution of the marine environment.

3. A Sewage and Waste Steering Group has been formed within the Department of Defence (Navy Office) with the following membership and Terms of Reference:

a. *Membership*

Director of Naval Ship Design (Chairman)  
 Director General of Naval Operational Requirements  
 Director General of Dockyards and Maintenance  
 Director General of Naval Production  
 Director General of Naval Health Services  
 Assistant Secretary Resources Planning, Navy

The chairman of the Steering Group is authorised to co-opt members from other Authorities as required; DTSN (Director Tactics, Ship Command and Control and Navigation) is the Naval Staff officer responsible for co-ordinating overall sewage, garbage and waste disposal policy matters.

b. *Terms of Reference*

The Sewage and Waste Steering Group is charged with:

- (1) the formulation of a proposed RAN sewage standard;
- (2) the preparation of a comprehensive implementation plan for this standard which will include facilities in ports and dockyards;
- (3) the establishment of working parties from within the Steering Group necessary for the preparation of the implementation plan; and
- (4) active participation in Information Exchange Programs with other navies.

4. All correspondence embracing the Terms of Reference given above should be addressed to:

Special Deputy (Navy Office)  
 Canberra

with copies to DNSD as chairman of the Steering Group and to DTSN as Naval Staff Officer responsible for Policy.

(N110/7/13)

## Section 2

### PERSONNEL

UNCLASSIFIED

#### 32/75—Communications Sailors and Wrans—Conditions of Service in Darwin, and Leave Travel Arrangements

1. Postings to the Darwin Area for single unaccompanied Communications Sailors and initial postings for WRAN Officers and Wrans of the Communications Branch will be a period of two years.

2. This length of service will entitle personnel concerned to a total of fourteen weeks leave and qualify them for one leave travel warrant during the posting. The break for leave is to be taken within the first eighteen months of the posting, but preferably after completing twelve months service in Darwin.

3. Navy Order 308/74 is hereby cancelled.

(333/8/315)

(Navy Order 308/74)

## Section 3

### OPERATIONAL AND TRAINING

UNCLASSIFIED

#### 33/75—Officers Extension Tutorial Course

##### Introduction

1. The Naval Board, in association with the Air Board, have introduced a tutorial correspondence course to provide officers with a study program designed to assist in preparing them for higher rank. However, although officers are encouraged to undertake this course, its completion is not to be considered as a pre-requisite for selection for staff courses.

2. The course does not replace Staff College training; rather, it offers preliminary study as an aid to success in a Staff Course and a facility through which officers may improve their written presentations and consolidate knowledge in areas related to their professional employment.

##### Eligibility

3. The course is available to officers of all specialisations of the ranks of Lieutenant, Lieutenant-Commander and Commander, and to WRANS officers of the rank of 2nd Officer, 1st Officer and Chief Officer.

##### Restrictions

4. In view of the need to second specialist staff to the Extension Tutorial Section, restrictions on naval enrolments may have to be made depending on the number of applicants.

##### Details of the Course

5. The course extends over two years and consists of four phases covering ninety-five weeks of programmed private study. The breakdown of the course is:

- |         |  |
|---------|--|
| Phase 1 | English Expression                         |
| Phase 2 | Service Organisation and Management        |
| Phase 3 | Current National and International Affairs |
| Phase 4 | Military Studies                           |

6. The course has been designed to be equally suitable to officers of all branches, therefore no attempt is made to dwell at any length on specific aspects of the syllabus.

To complete the course satisfactorily, an officer will be required to:

- a. *Phase 1*—demonstrate an ability to express himself in writing correctly, concisely and unambiguously, and to present and defend opinions and decisions;
- b. *Phase 2*—have a broad knowledge of Service organisation and management;
- c. *Phase 3*—have a sufficient background knowledge of Australia and other selected countries of the world to appreciate the significance of current national and international affairs;
- d. *Phase 4*—have a basic knowledge of national and global strategy and the employment of defence forces.

Officers must pass Phase 1 before attempting any other phase.

10286/75—3

### Hours of Work

7. The actual amount of time a student will need to spend each week in study will depend on his experience, his background knowledge of the subjects taught, his proficiency in writing English, and on the thoroughness with which he wants to go into each subject. The planned 'average' study time throughout the ninety-five weeks is three to six hours effective study each week, depending on the individual.

Considerable thought has been given to the breakdown of study guides into weekly tasks and if an officer sets aside one evening only each week for study throughout the ninety-five weeks, he should accomplish all that is necessary.

### Assignments

8. Material to be studied is in eight study guides. After each study guide, an assessable assignment is set, based principally on the work covered by the preceding guide, but drawing on knowledge gained from all previously issued guides. There are no examinations—satisfactory completion of the course depends on consistent effort over the entire ninety-five weeks.

### Course Progression

9. Administration of students in HMA ships and establishments will be through an officer known as the Base Tutorial Officer (BTO)—normally the Education Officer but, where appropriate, another officer nominated by the Commanding Officer. Officers studying alone will be administered directly by the Staff College. The Base Tutorial Officer (BTO) will be responsible also for the authenticity of the supervision exercised over any supervised work forwarded to the Staff College. Officers studying alone will be administered directly by the Staff College, and special arrangements will be made for supervision of work as required.

10. In Phase 1 of the course, officers who fail an assignment will be asked to complete a supplementary assignment, although they will be allowed to complete the phase regardless of their results in individual assignments. At the end of the phase, a Review Board will examine the work of all students and decide those who can continue with Phase 2. Those officers whose work in Phase 1 is deemed to be unsatisfactory must repeat the phase with a subsequent course before attempting the other phases.

11. In Phases 2, 3 and 4, officers who fail an assignment will also be asked to complete a supplementary assignment but, if again unsuccessful, they will be required to complete the particular phase with a subsequent course. Such officers may continue with the remaining phases of their course, but will obviously take longer than two years to complete the course. A phase completed successfully will remain at credit.

12. Officers who find that the necessary private study is impossible because of operational commitments, compelling compassionate reasons, or posting to a training course subsequent to enrolment for the Officers Extension Tutorial Course, are to advise the Commandant, through their BTO, that they wish to defer the particular phase or temporarily withdraw from the course. Students who have withdrawn in those circumstances should re-enrol as soon as the cause of the withdrawal is removed. The course is flexible and reasonable requests for extensions or deferments will always be given full consideration.

13. Officers who do not submit any piece of prescribed written work without prior approval of the Staff College, will be suspended from course. Credit will be given for phases completed successfully and the officers will be given the opportunity of joining a subsequent course at the appropriate stage.

### Recording of Results

14. The Extension Tutorial Section (Naval) will keep a record of the progress of naval students, and completion of the course will be noted in officers records.

### Enrolment

15. Officers Extension Tutorial Course No 8 commences on 19 May 1975. Applications for enrolment close on 18 April 1975.

### Method of Application

16. Applications for No 8 OETC are to be forwarded through Commanding Officers to:

The Commandant  
RAAF Staff College  
RAAF Base  
FAIRBAIRN, ACT 2600

All applications should follow the pro-forma attached as Annexe A to this order.

17. Navy Order 25/74 is hereby cancelled.

### ANNEXE A

#### Officers Extension Tutorial Course

#### Application for Enrolment

Name..... P/N.....

Given Names.....

Rank.....

List and Specialisation.....

Where Serving.....

Postal Address.....

Date of Birth.....

I hereby apply for enrolment in the extension tutorial course commencing on 19 May 1975, and will notify RAAF Staff College immediately if there are any changes in this information.

Date..... Signature.....

### II

The Commandant  
RAAF Staff College  
RAAF Base

FAIRBAIRN ACT 2600  
Forwarded.

Date.....

(.....)  
Commanding Officer

(1600/11/67)

(Navy Order 25/74)

## Section 4

## EQUIPMENT, STORES AND SERVICING

## UNCLASSIFIED

## 34/75—Accounting for Loan Bedding and Anti-Flash Gear

1. The following instructions consolidate and supersede those issued in Navy Orders 454/71, 301/73 and 371/73.

**Issues—All Personnel Excepting Officers**

2. Issues of loan bedding and anti-flash gear in accordance with existing scales are to be made on Form SA323—Loan Bedding Card—and the issue is to be signed for by the member receiving. The three copies of Form SA323 are to be actioned as follows:

Copy No 1—Issue Voucher—retained with appropriate abstract for record and audit purposes.

Copy No 2—Receipt Voucher  
Copy No 3—Return Voucher } Filed together until Loan Bedding is returned.

3. All issues are to be abstracted to Forms SA267/268 which are to be reserved for issues only. The abstracts are to be posted to the Loan Bedding Ledger at least weekly or when completed, whichever is sooner, to take the items off charge. The serial number of the Loan Bedding Card is to be recorded in the registered number column of the abstract and the abstracts registered number is to be recorded in the voucher column of the ledger.

**Returns—All Personnel Excepting Officers**

4. Upon return of loan bedding and anti-flash gear the Loan Bedding Card is to be actioned as follows:

Copy No 2—Handed back to the member as a receipt.

Copy No 3—To be filed with the appropriate abstract (*see* Paragraph 5) for record and audit purposes.

5. All returns are to be abstracted to Forms SA267/268 which are to be reserved for returns only. The abstracts are to be posted to the Loan Bedding Ledger at least weekly or when completed, whichever is sooner, to take the items on charge. The serial number of the Loan Bedding Card is to be recorded in the registered number column of the abstract and the abstracts registered number is to be recorded in the voucher column of the ledger.

6. After all action has been completed the abstracts are to be filed in registered number order.

**Issue of Loan Bedding to and Return from Officers**

7. All requirements of loan bedding and anti-flash gear for officers are to be issued to the manager or senior steward sailor of the wardroom on permanent loan. The following detailed procedures are to be observed:

- a. quantities issued on Permanent Loan should only be sufficient for actual requirements plus a small ready use stock;
- b. the manager or senior steward sailor is to ensure signatures are obtained for bedding in use from the officer concerned on the Loan Bedding Card;
- c. the Loan Bedding Cards are to be filed in alphabetical order and are to be used to verify quantities held on Permanent Loan at occasions of muster;

- d. after establishing that no deficiencies exist on the occasion of an officer posting out, the Loan Bedding Card may be destroyed. Should deficiencies occur, Form SA116 is to be raised in the normal manner and the Loan Bedding Card is to be held as a record of issue until recovery of any charges and accounting action has been completed.

**Unserviceable Items Exchanged**

8. Unserviceable items exchanged for serviceable items are to be recorded on Form SX100 which is to be dealt with in accordance with ABR4 Article 0903.

**Temporary Issues**

9. Issues of a temporary nature such as overnight for duty watch, are to be recorded on the Loan Bedding Card in the normal manner. Following the return of such issues the Loan Bedding Card may be destroyed. Where temporary issues are not returned within twenty-four hours the Loan Bedding Card is to be abstracted in the manner previously detailed.

**Recovered Bedding**

10. Any items which are deposited in the scran bag and not retrieved after a period of fourteen days are to be transferred to the custody of the Supply Officer. For this purpose, Forms SX125 are to be prepared in duplicate by the Messdeck officer and passed to the Supply Officer with the items concerned. The duplicate copy of the Form SX125 is to be received by the Supply Officer and returned to the Messdeck officer for retention.

11. Items received from the scran bag are to be stowed separately from the Supply Officer's stocks and are to be recorded in a subsidiary account titled 'Recovered Loan Bedding'. This account will comprise Forms SA302/SA306 Permanent Ledger in a separate binder and will be operated as a suspense account to record items found until final authorised accounting action is taken.

12. Form SX125 raised in accordance with Paragraph 10 above will support receipt of items included in the Recovered Loan Bedding account. Care is to be taken to ensure that items included in this account are kept separate from normal stock at the time of stock-taking.

13. When a member is posted away from the ship and is deficient items of loan bedding or anti-flash gear, issue from the Recovered Loan Bedding stock may be authorised by the Supply Officer to make good the deficiencies. Form SA207 Counter Book is to be used for this purpose and retained by the Supply Officer to support the entries in the Recovered Bedding Account.

14. To satisfy the Supply Officer that an item was in fact lost a pro-forma certificate, signed by the Coxswain, is to be presented to the Supply Officer by the sailor concerned. This certificate is to be attached to the Form SA207 raised in accordance with Paragraph 13 above. A specimen of the pro-forma certificate, requirements of which are to be produced locally, is included in the Annexe to this order.

15. When the quantity of items in the Recovered Loan Bedding account is in excess of anticipated posting out deficiencies, surpluses are to be taken on main ledger charge by Form SS1, Stocktaking Discrepancy Report.

16. It is emphasised that the provisions of Paragraphs 13 and 14 are to be applied only when members are posted away from the ship. Deficiencies disclosed/reported at other times are to be investigated and action taken in accordance with ABR 4 Chapter 14.



## UNCLASSIFIED

**35/75—Battery-Operated Wall Clocks in Ships and Establishments**

1. To provide a more accurate low maintenance and less expensive unit than the presently fitted mechanically operated wall clocks in HMA ships, a battery-operated 9 inch dial wall clock, to DWED Specification 8218, Defence Stock No 6645-66-056-0452 has been introduced. It will be issued on demand, on a replacement basis, for any defective mechanical clock whether 6 inch dial or 9 inch dial, which is beyond economical repair, or is an approved additional allowance.

2. Mechanical wall clocks are to remain in older ships ie, HMAS DIAMANTINA, KIMBLA and MCMVs as long as serviceable/repairable mechanical clocks are still available in stock.

3. Defence Stock No 6645-66-048-0822 CLOCK, 9 INCH WALL BATTERY-OPERATED, to Australian Post Office Specification AP0766, is the approved clock for use in shore establishments only. These clocks will be issued on demand on a replacement basis as current clocks become beyond economical repair or to meet any new approved allowances.

(2/6645/36)

## UNCLASSIFIED

**36/75—Introduction of Glass Fibre Material for Curtains and Drapes in HMA Ships**

1. In order to reduce a fire hazard in HMA ships a selected range of glass fibre materials for curtains and drapes has been introduced. All future requirements for new construction and replacement for ships under refit are to be made from this material.

2. The colour range, weave, and details of the materials selected are as follows:

Class	Catalogue No	Description	UI	Acctg Classn
		CLOTH, GLASS, LENO, 5.8 OZ/ SQ YD, 45" WIDE, BARBADOS PATTERN		
		Colour		
8305	66-031-3099	GREEN (MOSS)	.. yd	c
8305	66-031-3100	GREY GREEN (CELADON)	.. yd	c
8305	66-031-3101	GOLD	.. yd	c
8305	66-031-3102	WHITE	.. yd	c
8305	66-031-3103	BLUE (PEACOCK)	.. yd	c

3. To avoid possible confusion with navigation lights, green or blue material is not to be selected as curtains for sidelights or scuttles unless special measures are taken to render the material lightproof.

4. The material is available on demand from Royal Edward Victualling Yard, Sydney (Depot Code 0124). The present cost of the material is \$2.02 per yard.

5. To facilitate the selection of colours required, samples are held at HMA dockyards and will also be made available on request by the Superintending Victualling Store Officer, Sydney.

6. Glass fibre material should be hand washed in lukewarm water (not hot) with a pure soft soap. After rinsing, excess water should be removed by wrapping in a dry material. The drapes, curtains, etc, should then be rehung. Removal of excess water by wringing is to be avoided and the material should not be hung or pegged on a clothes line.

7. As loose glass fibre can cause skin irritation rubber gloves should be worn during washing, and the curtains, etc, washed separately from other materials.

8. Navy Order 182/74 is hereby cancelled.

(1/8305/40)

(Navy Order 182/74)

## UNCLASSIFIED

**37/75—Introduction of Reporting Procedure for Landing of RAN Inflatable Liferrafts**

1. In sections 2-6, Part 1 of ABR 1977/1970 (Manual of Lifesaving and Inflatable Equipment), a request is made for 'ample notice' to be given to (S) NSO of the intention to exchange a raft or outfit of rafts.

2. Notification is to be signalled to CSS SYDNEY or GMWD as appropriate at least twelve weeks prior to the planned landing date, advising:

- stock number
- description
- quantity
- serial No/s
- year/s of manufacture and
- planned landing date.

3. ABR 1977/1970 will be amended accordingly.

(N4220/5/7)

## RESTRICTED

**38/75—Machinery—Lubrication Systems—Care in Opening and Closing**

1. During the course of investigating a recent Patrol Boat main engine failure it was established that this was due to a piece of rag about 6" x 10" being left in the main lubricating oil system. This caused an obstruction in the main lubricating oil gallery which resulted in seizure of the engine and necessitated a premature engine change after only 590 hours running. The initial loss of some twenty days operational availability, plus dockyard costs of changing engines, in addition to the subsequent cost of having the damaged engine overhauled, has affected both the operational and financial resources of the RAN. All this resulted from a single act of carelessness.

2. The attention of all maintenance personnel is directed to the provisions of Article 0146 of BR 3001 when opening and closing machinery, especially lubricating oil systems. Any future instances of a similar nature will be viewed most seriously and, if proven, may be the subject of disciplinary action.

(1234/51/421)

UNCLASSIFIED

**39/75—Machinery Spares—Class 4130—Vee Belt Drives in  
Air-conditioning Plants in HMA Ships**

1. Following Defect Reports on the problems experienced when replacing multiple Vee Belts due to minor dimensional differences of individual belts, arrangements have now been made for replacement belts to be issued as matched sets by SMSO Sydney.

2. However it will be necessary, when demanding replacements of Multiple Belt Drives to specify precise details including belt cross section and length to enable Stores Officers to meet the matched set requirements.

3. Any attempt to match a single belt to an existing set of belts will, due to wear and rate of stretch, etc, result in early failure of the complete set of belts. Therefore should one or more belts in a matched set stretch or fail necessitating replacement, the complete set of belts should be renewed. BR 3001, Article 3003 refers.

4. Navy Order 10/72 is hereby cancelled.

(1/4132/50)

(Navy Order 10/72)

UNCLASSIFIED

**40/75—Microfiche Storage Binders and Microfiche Storage Pages for  
ABR 5074**

1. To facilitate the orderly filing and ready accessibility of ABR 5074 Microfiche, specialised holders and storage pages are being procured and will be stocked under the following stock numbers/descriptions:

<i>National Defence Stock Number</i>	<i>Description</i>
6730-66-082-1981	MICROFICHE STORAGE BINDERS
6730-00-074-4122	MICROFICHE STORAGE PAGE

2. Authorised Navy holders of ABR 5074 should lodge demands on SLSO Depot Code (0094) for quantities required, normally one Binder and six Pages for each copy of ABR 5074 allowed. Issue will be effected as stocks become available.

3. Supply to other than Navy holders of ABR 5074 will be arranged by SLSO Sydney without demand.

(1/7025/2)

UNCLASSIFIED

**41/75—Safety—Care in the Use of Wire Slings**

1. Commanding Officers, General Managers of Dockyards and Officers-in-Charge are to ensure that the following rules in respect of wire slings are observed:

- no unauthorised wire slings are to be permitted;
- no sling is to have a working load of less than one ton. All slings are to have a minimum safety factor of five over the working load;

- a dogman, crane chaser, or rigger specifically named is to be employed when hoisting any load over one ton, or where special slinging arrangements are necessary for a load of less than one ton. In ships and uniformed establishments a competent seaman is to exercise supervision over such hoists;
- d. all slings are to be regularly inspected and are to be tested at least once per year. The date of test and working load is to be attached to the sling by means of a tally.

2. Navy Order 11/72 is hereby cancelled.

(1224/272/106)

(Navy Order 11/72)

## Section 5

**BOOKS, CORRESPONDENCE, FORMS and STATIONERY**

UNCLASSIFIED

**42/75—Information Concerning and Distribution of Publications and  
Amendments Managed by Executive Officer Publications Sydney  
—October 1974**

1. The annexe lists publications and amendments distributed, declared obsolete, superseded, etc, during October, 1974.

2. Allowances for ships and establishments, as distinct from gratuitous and repayment issues will be issued without demand by the Publications Authority, Garden Island, NSW, in accordance with an approved scale and automatic updating *is* provided.

3. Holders of basic publications are reminded that only those issues recorded on NAVPUB will be updated without demand (Navy Order 158/74 refers).

4. Changes issued to publications held as advance copies or to publications not on general distribution are not reflected in Navy Orders.

**Gratuitous Issues**

5. Where it has been decided that a gratuitous or personal issue of a publication will be made, a Navy Order detailing the basis of issue and the personnel concerned, and instructing ships and establishments to obtain their requirements, for this purpose, through their Supply Officer will be promulgated.

6. Supply Officers should place demands on the Publications authority, Garden Island, NSW, for the total number of copies required in their respective ship or establishment, on Form SO150 (Navy Order 236/74 refers), stating the reason for the requirement and quoting the relevant Navy Order. The publications are to be accounted for by the Supply Officer in accordance with ABR 4, Article 13Q1 and Article 2512.

7. Automatic updating is not provided for copies of publications on gratuitous issue and demands for updating should be placed on the Publications Authority, Garden Island, NSW, upon notification of its availability in Navy Orders. Form SX40 should be used for demanding changes and the form should clearly state 'Required for amending Personal Issue Copies'.

**Repayment Issues**

8. If it has been approved that a publication should be made available from Departmental stocks, for sale to certain categories of personnel, a Navy Order will be promulgated detailing the basis of issue and the rate to be charged to personnel concerned.



9. Supply Officers should place demands on the Publications Authority, Garden Island, NSW, for the copies required, on Form SO150 quoting the reason for requirement and the relevant Navy Order. The publications are to be accounted for by the Supply Officer in accordance with ABR 4 Chapters 13 and 25.

10. Automatic updating is not provided for copies of publications issued on repayment, and demands for updating should be placed on the Publications Authority, Garden Island, NSW, upon notification of its availability. Again, Form SX40 should be used for demanding these changes and the form should clearly state 'Required for amending Repayment Issue Copies'.

11. Issues etc, of periodicals and magazines are not to be included in monthly Navy Orders.

12. The publications declared obsolete in Annexe B are to be disposed of in accordance with ABR 4 Article 2514 (3). These publications will be deleted from NAVPUB records and no further updating will be supplied.

## ANNEXE A

## Initial Issue of Basic Publications Issued to Approved Holders

Publication No	Title	Edition
AAP 7000-001-1 ..	The Technical Publication System .. .. .	20.2.74
AAP 7610-087-2 ..	Integrating Digital Voltmeter .. .. .	18.2.74
AAP 7831-061-3M ..	HS748—Control Unit 714E .. .. .	17.4.73
ABR 1313 ..	HMA Submarine Upkeep Manual .. .. .	Sept 74
AP 110E-0802-1 ..	Signal Distress Day/Night No. Mk1 .. .. .	June 74
AP 3364 V2 ..	Aircraft Cross Servicing Standardisation Agreement ..	July 73
BR 1742 (6) ..	Mk23 Mod L1 Gyro Compass Equipt Acceptance Trials ..	1974
BR 2525 WP88103/01	Director Mk6M .. .. .	Mar 73
BR 2544 (3) (A) (1) ..	Med Range System Mk3 Mod 1 and Mod 1A Tech Info Tracker	Apr 73
BR 2544 (3) (A) (2) ..	H/Bk Med Range Sys Mk3 Mod 1 and Mod 1A Unit Tech Tracker	Apr 73
BR 2544 (3) (B) (1) ..	H/Bk Med Range Sys Mk3 Mod 1 and 1A Pt 3 (B) Tech Info	May 73
BR 2544 (3) (B) (2) ..	H/Bk Med Range Sys Mk3 Pt 3 (B) Ut 3 (B) Unit Tech Info Pre	May 73
BR 2544 (3) (C) (1) ..	Unit Technical Information Power and Misc .. .. .	1973
BR 2544 (3) (C) (2) ..	H/Bk Med Range Sys Mk3 Unit Tech/Info Power V2 ..	July 73
E List S1663 ..	Radar Type 1006 (1) (2) (3) .. .. .	Oct 72
E List S1664 ..	Display Outfits Jua (1) (2) (3) .. .. .	1972
Misc Pub 0001 ..	Nat Plan to Combat Pollution of the Sea by Oil ..	1974
NA 01-40AVD-4-2 ..	TA-4F Inter Mod TA-4G A/C Fuel Power Plant IPB ..	1.11.72
NA 01-40AVE2-9 ..	Wiring Data A-4G A-4H .. .. .	1.9.69
NA 16-30ASM-20-2 ..	Guided Missile Launcher Test Set AN/ASM-20B ..	15.5.74
NS 0967-221-7010 ..	.. .. .	1973
TEM-3405-0001 ..	OP/Main/Inst for High Capacity Circular Saw VMS ..	5.12.72
TEM-5960-0001 ..	RCA Transmitting Tubes (to 4Kw Plate Input) Tech ..	1974

## ANNEXE B

## Publications Declared Obsolete in the RAN

Publication No	Title	Edition
AP 101C-0101-1B ..	Wessex HAS Mk1 Gen and Tech Information .. .. .	—
AP 101C-1015-12 ..	— .. .. .	—
AP 101C-0307-5A1 ..	Whirlwind HAS Mk7 Aircraft .. .. .	July 68
AP 101C-0307-5C ..	Whirlwind HAS Mk7 Aircraft Basic Serv Schedule ..	—
AP 101C-0300-1 ..	— .. .. .	—
AP 104C-2007-16 ..	Dowty Rotol Type 200105002 Shock Absorber .. .. .	—
AP 104C-2008-16 ..	Shock Absorber Mose U/C .. .. .	—
AP 105B-0307-16 ..	Hydraulic Reservoir Westland Pt WB/5-73-1649 ..	Mar 67
AP 105B-0546-13A6 ..	Sticktrim Control Valve 12720-11 .. .. .	Jan 69
AP 105B-0548-13A ..	Sprred Control Assy XW20893 .. .. .	Apr 70
AP 105B-0549-13A ..	Valve-3-Way 12220 .. .. .	Mar 69
AP 105B-1514-13A6 ..	Hydraulic Pump, Integral Type Y894 Mk2 .. .. .	Oct 69
AP 105B-1529-13A6 ..	Pump Hydraulic—NY66WAP200 .. .. .	Jan 69
AP 105B-1530-3A6 ..	Hydraul Motor, Vickers Sperry Type MF69-3906-30BC ..	Dec 69
AP 105C-0103-13A ..	Porous Metal Line Filter, Dunlop Pt No ACM18302, ACM18304 and ACM24930	—
AP 105C-0308-16A ..	Spherical Plug Multi-way Valve Type 205AB91 .. .. .	—
AP 105C-0511-16A ..	Saunders $\frac{1}{2}$ -in Hot Air Non-Return Valve Type 706AA11/B	—
AP 105C-00534-1 ..	Adjustable Restrictor Dunlop for Buccaneer Pt No ACM 19536	Jan 67
AP 105C-0556-16 ..	Pressure Relief Valve, Hymatic Type RAV137-027, RAV137-033 and RAV137-040	1967
AP 105C-0557-16 ..	Non-Return Valve, Hymatic Type NAR109-018 .. .. .	—
AP 105C-0559-16 ..	Pressure Reducing and Relief Valve .. .. .	—
AP 105C-0902-16 ..	Vacuum Pump Assembly, Plessey, B3X Mk1, 2, 3, 5, 6 ..	1968
AP 106B-0225-16 ..	Flexible Fuel Tanks Wasp Aircraft .. .. .	Nov 69
AP 106D-4803-1 ..	Probe Valves (Fuel) Flight Refuelling, Pt Nos 0728060 and 0728110	—
AP 106D-4804-1 ..	Probe Valve (Air) Flight Refuelling, Pt Nos 0728062 and 0728112	Apr 68
AP 106E-0401-6 ..	Refuelling in Flight Equipt Pods Mk 20C and 20E ..	Dec 66
AP 107B-0207-6 ..	Magnetic Amplifiers Teddington FLM/A/14 Series ..	Oct 68
AP 107B-0516-1 ..	Water Extractor Normalair Pt 1337C000 .. .. .	Apr 68
AP 107B-0961-16 ..	Control Valves Poppet Type Normalair .. .. .	—
AP 107B-0962-16 ..	Control Valve Pressure Regulator .. .. .	—
AP 107B-0963-16 ..	Control Valves (Pneumatic Actuator) Normalair Pt Nos 514510, 523130 and 527780	—
AP 107B-1110-13A ..	Ground Pressurising Connection Normalair Pt No 505560. Master Control Unit WKA26865	—
AP 107B-1406-13A6	Pressure Controllers Type H .. .. .	—
AP 107C-0210-16 ..	Intervalometers Teddington .. .. .	—
AP 107C-0203-16 ..	Spraymat Thermal Controller, English Elec. Mk4, 4A and 4B, Amplifier Teddington Type FLM/A/907, 910 and 917	1967
AP 107C-0214-16 ..	De-icing Pumps, Dunlop Pt No AC61270, AC61272, AC13000, AC13002 and AC14882	Oct 69
AP 107C-0402-1 ..	Windscreen De-icing Controllers, Plessey Type 19 and 23 ..	1968
AP 107C-0404-16 ..	Windscreen De-icing Controllers, Plessey Type 4 and 34 ..	Jan 69
AP 107C-0407-13A ..	Window Units Windscreen Wiper PTXW20907-1 and 2 ..	Nov 69
AP 107D-0001-1 ..	Gen Info on Aircraft Oxygen Equipment .. .. .	1967
AP 107D-0108-1 ..	Oxygen Flow Sensor NATO Code No 4240-99-220-3625 and Amplifier NATO Code No 4240-99-220-3620	1970
AP 107D-1001-1 ..	Master Control Unit Type WKA 26865 .. .. .	—

## ANNEXE B—continued

Publication No	Title	Edition
AP 107D-1003-1 ..	Three Mask Emergency Oxygen Stowage Unit Type WKA27283	1970
AP 108E-0202-12 ..	Liferafts Type MS9	—
AP 108E-0502-1 ..	Personal Survival Pack Type A Mk3	1970
AP 108E-0525-1 ..	Personal Survival Pack	Sept 69
AP 108F-0304-1 ..	Combined Partial Pressure/Anti-G/Air Ventilated suit Mk2	1968
AP 108F-0401-1 ..	Anti-G Suits	1968
AP 108F-0401-6 ..	Anti-G Flying Suits Mk6 and 7 Scimitar and Lightning Aircraft	—
AP 108F-0603-1 ..	Helicopter Winchman's Coverall Mk2	1969
AP 108F-0603-6 ..	Helicopter Winchman's Coverall Mk1 and 2, Wessex Aircraft	Nov 69
AP 109A-0001-2 ..	Ejection Seat and Escape Equipment Martin Baker	—
AP 109B-0126-4F (N)	Sea Vampire Ejection Seat Mart/Baker Type 4AV/1	—
AP 109B-0130-1B ..	Ejection Seats	Mar 69
AP 109C-0202-5F ..	Time Delayed Firing Unit (Vulcan)	—
AP 109D-0203-1 ..	Drogue Guns Types 9, 10, 11, 12, 14, 17, 18, 19, 20, 21 and 24	1967
AP 109E-0101-1 ..	Barostatic Time Release Units Types 1, 2, 3, 3A, 4 and 16 Mk1	—
AP 109E-0103-1 ..	Barostatic Time Release Units Types 5-10, Type 15 and Types 17-22	1967
AP 110F-0202-15NQ	Pistol Bomb Tail No 75 Mk2 and 3	1970
AP 110N-0203-1 ..	Cartridge Percussion, Engine Starter Ground, William James Mk1	—
AP 110N-0204-1 ..	Cartridge Initiating IPN No 2 Mk2 and Mk3	—
AP 110N-0300-1 ..	Seat Ejection Cartridge and Associated Explosive Stores	—
AP 110N-0305-1 ..	Cartridges, Seat Ejection, Guillotine	—
AP 110N-0307-1 ..	Cartridges, Seat Ejection, Drowge	—
AP 110N-0308-1 ..	Cartridges, Seat Ejection, Secondary	—
AP 110N-0310-1 ..	Cartridges, Seat Ejection, Primary	1970
AP 110-0501-13A ..	Test Ring No 5 Mk1 and 2, Fuzing Units	—
AP 112B-0319-1 ..	Gyro Units GM Mk4B Compass Types A, B, C and D	1966
AP 112B-0321-1 ..	Control Panels (GM Mk4B Compass) Types A and B	1971
AP 112B-0322-1 ..	Amplifier (GM Mk4B Compass) and Mounting Tray (GB/437) General and Technical Info Types A, B and C	—
AP 112B-0330-1 ..	Gyro Magnetic Compass Mk4F System	—
AP 112B-0333-1 ..	Gyro Magnetic Compass Mk4B System	—
AP 112B-0334-1 ..	Gyro Magnetic Compass Mk4FT System	—
AP 112B-0340-1 ..	Gyro Units Ref No 6B/2035, 6D/563 and 6B/2708 Type A, B and C	—
AP 112B-0400-1 ..	Drift Recording Instruments	1967
AP 112B-0602-1 ..	Navigation Instruments Roller Moving Map Display	—
AP 112B-0603-1 ..	Plotting Instruments	1967
AP 112E-0003-3A (N)	Pilots Attack Sight System Mk1 and 2	Mar 67
AP 112G-0113-3A (N)	Air Stream Direction Detector Equipment	May 69
AP 112G-0318-16 ..	Gyro Unit Type B	1968
AP 112G-0324-1 ..	Horizon Gyro Mk2 and 2C	—
AP 112G-0325-1 ..	Directional Gyroscope Mk2	—
AP 112G-0327-1 ..	Indicators Turn and Slip Mk2A and 3 RB Pullin Type	1969
AP 112G-0626-1 ..	Thermometer Engine Cylinders	1968
AP 112G-0715-1 ..	DC Fuel Flowmeter System (Wessex) Mk3	Oct 66
AP 112G-0717-1A ..	Fuel Contents Gauge Pacitor (DC and AC) Type 2	1967
AP 112G-0717-1B ..	Fuel Contents Gauge Pacitor (Type 29DC) Components	1967

## ANNEXE B—continued

Publication No	Title	Edition
AP 112G-0809-1 ..	Clock Smith Type V308	—
AP 112G-0910-1 ..	Machmeters Mk2 Type M1684 and M1918	—
AP 112G-0916-13A6	Airspeed Indicators Mk15 and Mk19 Series and Type AS/PC Series	—
AP 112G-0925-1 ..	Airspeed Indicators Smith Type AS	—
AP 112G-1011-16 ..	Altimeters Mk19 Series Type 146AM/PC and PW162 AM/PC	1968
AP 112G-1022-1 ..	Cabin Altimeters Smiths	1968
AP 112G-1141-13A ..	Pressure Warning Switches Type Smiths	1967
AP 112G-1147-16 ..	Thermal Switches Type PBB Gen and Tech Info	—
AP 112G-1161-1 ..	Pressure Switches Type TP5836 Series	Aug 68
AP 112G-1163-1 ..	Altitude Switches Type KSD 02 Series	1969
AP 112G-1226-13A ..	Tachometer Indicators Type KTD0200 and 800 Series	May 70
AP 112P-0403-1 ..	GGs Recorder Mk3	1968
AP 112P-0404-1 ..	Tilting Unit for GGS Recorder Mk3 Mk2 (14A/4336)	1968
AP 112P-0410-1 ..	PAS Recorder Mk1	—
AP 112P-0901-1 ..	Air Transportable Film Processing Vehicle	—
AP 112T-01177-13A	Autostabilizer Test Set Ref 6C/4564	—
AP 112T-01180-13A	Controllers Test Equipt No 4926-99-107-9583, 6260	—
AP 112T-01183-1 ..	Flight Director Navigation Display Test Set	Apr 69
AP 112T-01208-1 ..	Power Control Unit (Ref No 6C/2017)	1967
AP 112T-01218-1 ..	Test Set Type 7 (Navigational Display System)	—
AP 112T-01220-1 ..	Test Set Type 2 (Mk5FT Compass)	1968
AP 112T-01237-1 ..	Accelerometer Test Rig 6C/4572	—
AP 112T-01238-1 ..	Test Set Fuel Contents System	—
AP 112T-01244-1 ..	Pilot/Static System Test Set Bryans Type Mk1a and 1b	—
AP 112T-01400-1 ..	400 HZR and Q Potentiometer 880/ITE (Ref No 6C/3328) and 880/2TE (Ref No 6C/3256) (Smiths)	—
AP 112T-01444-1 ..	FCS Mk29 Test Equipt Multi-Turn Reference and Quadrature Indicators 956TE, 956/ITE, 956/2TE, 95ITE, 957/ITE and 957/2TE (Smiths)	—
AP 112T-01524-1 ..	Differential Pressure Chamber Mk1 and 1A	—
AP 112T-01528-1 ..	Differential Pressure Test Gauge (Ref No 6C/2171)	1968
AP 113C-0205-1 ..	Battery Type C, 12V, 25Ah	1969
AP 113C-0208-1 ..	Battery Type J, 24V, 2.5Ah (Varley 24, 11/4)	1969
AP 113C-0309-13A ..	Battery Type K, 24V, 15Ah (Saft Voltabloc 19-VO-15A)	1968
AP 113C-0313-1 ..	Battery Silver Zink Mk NC58 Modo 37V 44AH	—
AP 113D-0201-3A (N)	—	—
AP 113D-0401-1 ..	Transformers, Ferranti Types	—
AP 113D-0718-13A6	Voltage Regulator Unit Rotax Type V6113/1	Aug 68
AP 113D-0769-13A ..	Overvoltage Unit Rotax Type U3260/1	Mar 69
AP 113D-1002-1 ..	Generator Control Unit, AEI, Type LKF-B6/2	1967
AP 113D-1138-13A ..	Landing Gear Control Panel Pt A3503 M1	Nov 69
AP 113D-1209-1 ..	Drum Switches, Dowty, type 1220Y Series	—
AP 113D-1211-1 ..	Double Drum Switches, Dowty, Type 1028Z Series	1965
AP 113D-1305-1 ..	Relay overspeed Rotax, F6400 Series	—
AP 113D-1310-1 ..	Relay Plessey Type 7CZ and Variants	—
AP 113D-1316-13A ..	Magnetic Switch Type 7Y	—
AP 113D-1602-1 ..	Control Handles, Wasp Aircraft, Dunlop Type AC61532, AC62322 and AC62968	1967
AP 113E-0134-16 ..	Actuator, Plessey, Type Cub Jaguar 500-1.00640 Series	—
AP 113E-0139-16 ..	Linear Actuator Rotax Type A1902	Dec 67
AP 113E-0145-1 ..	Actuators, Miles Eng Type MAL-19 Mk1 and 2	1968

## ANNEXE B—continued

Publication No	Title	Edition
AP 113E-0158-1 ..	Actuator, Western Type EJ50 Mk30 .. .. .	Aug 69
AP 113E-0159-13A ..	Actuator (Airborne Accessories) L16-35-2 .. .. .	Mar 69
AP 113E-0165-13A6 ..	Actuator, Plessey Type Twin Motor Jaguar Pt No 1CZ80383/1 .. .. .	—
AP 113E-0201-16 ..	Actuators, Teddington Type FJC/A Series .. .. .	—
AP 113E-0211-13A6 ..	Rotary Actuators Lucas Aerospace Type C5000 Series .. .. .	—
AP 113E-0214-16 ..	Actuator, Plessey, Squirrel Type 1CZ135792 .. .. .	—
AP 113E-0223-16 ..	Actuators, Plessey Type Squirrel Pt No CZ75792 and Variant and Gearbox, Plessey Type Pt No CZ76518 .. .. .	1970
AP 113E-0234-16 ..	Actuator, Plessey Type Panther Pt No CZ54709/10A .. .. .	1970
AP 113E-0315-16 ..	Motor Plessey Type C1606B-5 (Pt No CZ62315), C1606B-19 (Pt No CZ78811) and C1606B-56 (Pt No 501-1-06019) .. .. .	—
AP 113E-0372-16 ..	Motor, Plessey Type C1606B-37 (Pt No 4CZ92990) .. .. .	—
AP 113E-0382-16 ..	Axiol Flow Blower, Plannair Type 3PLL241-110 .. .. .	—
AP 113E-0408-6 ..	Pump, Fuel, Plessey Type BP1, BP14, and BP14/RS Series .. .. .	—
AP 113E-0422-6 ..	Fuel Pump S.P.E. Type 1302 .. .. .	—
AP 113E-0424-6 ..	Pump Fuel Plessey Type SPE 2011A Mk11 .. .. .	Dec 66
AP 113E-0445-1 ..	Pump, Fuel, Plessey Type FP3 Series .. .. .	—
AP 113F-0101-16 ..	Actuating Solenoids, Rotax Type D5300 Series .. .. .	1966
AP 113F-0102-1 ..	Solenoid Valves, Teddington Type FAW/A Series AP4343E .. .. .	—
AP 113F-0227-1 ..	Navigation Lamps .. .. .	—
AP 113F-0235-1 ..	Warning Lamps, Rotax Type 42700 Series .. .. .	1968
AP 113F-0236-1 ..	Cockpit Lamp Type C No 2 .. .. .	1968
AP 113F-0408-6 ..	Rotary Actuator, Smith Type 302/RAA1 .. .. .	—
AP 113F-0412-1 ..	Amplifier Unit and Ultra Type A113/1 Gen and Tech Info .. .. .	—
AP 113G-0101-125F ..	Fuse Control Unit, Type ER Mk1 .. .. .	—
AP 113G-0112-1 ..	Protective Relay Units, Type EP Mk1 and EP/EL Mk1 .. .. .	1968
AP 113G-0114-1 ..	Separation Switch, Type EP Mk1 and 2 .. .. .	1969
AP 113G-0118-1 ..	Fusing Control Unit, Type EL/EA, Mk1 .. .. .	—
AP 113G-0119-1 ..	Fuse Charging Unit Type EL/EA Mk1 .. .. .	Oct 69
AP 113G-0120-1 ..	Automatic Bomb Distribution 2-way Type B Mk2 .. .. .	—
AP 113G-0122-1 ..	Separation Switch Type EL Mk2 .. .. .	Oct 69
AP 116B-0103-1 ..	ARI 23084 Radio Compass (Marconi AD712) .. .. .	1967
AP 116B-0207-3 ACD	ARI 5284 Equipt Schedules and Spares .. .. .	—
AP 116B-0301-5F (N) O/C	ARI 18120 UHF Homer Bay Servicing Schedule .. .. .	—
AP 116B-0311-1 ..	Tacan (Air) Test Set, Radar Beacon (Becon Simulator HLI-103 D/A) .. .. .	1967
AP 116B-0408-1 ..	ILS Airborne Equipment ARI 18011 .. .. .	—
AP 116B-0902-1 ..	ARI 23207 Crash Locator Beacon Leigh Type CLB-17 .. .. .	—
AP 116D-0102-1A ..	ARI 23090 (Series), HF (SSB), Communication Equipt (Collins 618T-23) .. .. .	—
AP 116D-0101-1 1st Ed	ARI 18124 UHF Transmitter Receiver ARC 52 .. .. .	—
AP 116D-0136-1 ..	Airborne UHF/VHF Communications Equipt ARI 18220 .. .. .	1968
AP 116F-0404-5F (N) O/C	ARI 18165 S Wide Band Homing Equipt Servicing Schedule .. .. .	—
AP 116F-0404-5F (N) W/C	— .. .. .	—
AP 116G-0601-1 ..	Asdic Types 194A and B (ARI 23067/1 and 2) Gen Tech Info .. .. .	—
AP 116G-0601-2 ..	ARI 23068 Asdic 195 Special-to-type Test Equipt .. .. .	—
AP 116G-0601-5F (N) O/C	ARI 23067/1/2—Equipt Component Servicing Schedule .. .. .	—
AP 116G-0601-6 ..	Asdic Types 194A and B, ARI 23067, ARI 23067/2 Recondit .. .. .	—

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AP 116H-0302-1 ..	ARI 23190 Accoustic Miss Distance Indicator .. .. .	—
AP 116N-0301-1 ..	Telebriefing ARI 18012, FGR1 18013, FGR1 5942/1, TGR1 (AT) 26036/1 and RVT619 Mks 1 and 2 .. .. .	—
AP 119A-0601-1E ..	Aircraft Painting, Colour Schemes and Markings .. .. .	June 69
AP 119F-2701-16A ..	Liquid Oxygen Replenishment Trolleys, 75 litres Mk1 and Mk2 .. .. .	1969
AP 119F-2702-16A ..	Liquid Oxygen Replenishment Trolley 185 litre .. .. .	1969
AP 119K-0606-16A ..	— .. .. .	—
AP 119L-0301-16 ..	Photo-Electric Hydrometer Mk3 .. .. .	1968
AP 119L-0308-1 ..	Oxygen Purity Test Set .. .. .	1968
AP 119L-0310-1 ..	Carbon Monoxide Indicator Mk1 .. .. .	1968
AP 119L-0502-16A ..	Vacuum Pump for Liquid Oxygen Storage Tanks .. .. .	1969
AP 120B-0201-1 ..	Test Set, Type BT 139-1 .. .. .	1969
AP 120B-0203-1 ..	Load Unit Water Cooled Type BT 951 .. .. .	Apr 69
AP 120B-0204-1 ..	Load Unit, Air Cooled, Type BT 952 .. .. .	1969
AP 120E-0102-1 ..	Electro-Hydraulic Actuator Test Set Gen Tech Info .. .. .	May 68
AP 120F-0404-1 ..	Test Sets, Graviner Type T1586 (1) and T2196 (1) .. .. .	1968
AP 120G-0102-4 ..	— .. .. .	—
AP 120G-0113-1 ..	Cable Set, ERU 119 (Test Set, Universal, Pylons and Carriers) .. .. .	1969
AP 120G-0501-1 ..	Central Timing Unit Test Set, Universal Richmond Electronics .. .. .	—
AP 830 V2 2nd Ed ..	— .. .. .	—
AP 1086 Sect 7G ..	— .. .. .	—
AP 1086 Sect 7R ..	— .. .. .	—
AP 1182B V4 Pt 6 ..	Safety Harness—Bay Servicing Schedule .. .. .	—
AP 1182CV4 Pt 6 ..	Dinghies and Associated Equipt—Bay Servicing Schedules .. .. .	—
AP 1182E (N) V1 ..	Flying Clothing and Survival Equipt .. .. .	—
AP 1464 V5 ..	RAF Engineering Ground Equipt Basic Servicing Schedule .. .. .	—
AP 1469F V1 ..	Automatic Pilot Mk11 Gen and Tech Info .. .. .	—
AP 1469F V2 ..	Hydraulic Power Unit and Automatic Pilot Mk11 .. .. .	—
AP1469F V5 Pt 6 (N) O/C	— .. .. .	—
AP1469F V5 Pt 6 (N) W/C	— .. .. .	—
AP 1538P V1 and V6 Pt 1	Rotol Co-Axil Propelling Gen and Tech Info .. .. .	—
AP 1538P V3 Pt 1 ..	Dowty Rotol Propeller and Assoc. Equipt for Gannet A/C Schedule of spare parts, Royal Air Force Section 25M .. .. .	—
AP 1538P V6 Pt 2 and 4	Propeller for Gannet A.S. Mk1 and 4 and T Mk2 and 5 Aircraft major repairs and Reconditioning Intrs .. .. .	—
AP 1538P V6 Pt 3 ..	Propeller for Gannet AS Mk 1 and 4 and T Mk2 and 5 Aircraft Schedule of fits, clearances and Repair tolerances .. .. .	—
AP1664 Vol 2 Pt 3 Bk1	— .. .. .	—
AP 2306G V5 ..	Pressure—Cabin Testing Trolleys, Basic Serv. Schedules .. .. .	—
AP 2533C V1 ..	— .. .. .	—
AP 2533 V2 Pt 1 ..	Leaflets for Radio Altimeter A.Y.F. .. .. .	—
AP2538J V2 ..	— .. .. .	—
AP 2538Q V2 ..	ARI 18032 (HF Airborne Radio) and Assoc Equipt Gen Orders and Modifications .. .. .	—
AP 2538Q V3 (N) ..	Naval HF Equipt ARI 18032 Equipt Schedule .. .. .	—
AP 2563 Bk V1 ..	Resonant Frequency Meter CT49 Gen and Tech Info .. .. .	—
AP 2887Q V2 ..	Radar Test Set AN/UPM4A Gen Orders and Mods .. .. .	—
AP 2887S V2 ..	Radar Test Set AN/UPM—6B Gen Orders and Mods .. .. .	—

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AP 3297 .. ..	Royal Air Force Postal and Telegraph Directory	—
AP 3375 .. ..	Royal Air Force H/Bk on Introduction to Space	—
AP 3380 .. ..	Royal Air Force Manual Snow Clearance and Ice Control of Aerodromes	—
AP 4343B V5 Pt 6 O/C	—	—
AP 4343C V5 Pt 6 (N) W/C	—	—
AP 4343D V5 Pt 6 (N) O/C	—	—
AP 4343D V5 Pt 6 (N) W/C	—	—
AP 4350A V2 ..	Air Controlling Trolleys Gen Orders and Mods ..	—
AP 4515C V3 Pt 3 Sec 1 Chap 65	—	—
AP 4900A V5 ..	Inhibiting Rigs for Turbine Engine Fuel Syst ..	—
AP 4988A V1 and 6 ..	4000 Gal Press Refuel Gen Tech Info Rep Recondit ..	—
ABR 171 .. ..	1944 Handbook for the 400mm Bofors Mk1 on Mk111A Mounting	—

## ANNEXE C

## Publications for which Stock is Exhausted

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BR 268 (54)	.. Alternating Current Main Supply System Daring Class Destroyer	—

## ANNEXE D

## Publications not Currently Available for Supply

ABR 27 Vol 3	.. <i>RAN Training Manual</i> Currently being re-written, updated version expected to be ready for publishing in early 1975. Distribution will be effected to approved holders without demand.	
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AAP 7434.042-3M .. ..	8
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AAP 7441.003-3M .. ..	5
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(Navy Orders 158/74 and 236/74)

(465/61/228)

## AMENDMENTS

## UNCLASSIFIED

## 43/75—Postings, Compassionate Cases and Discharge Procedures

Navy Order 190/73 is to be amended as follows:

*delete* existing Annexe A and *insert* new Annexe A.

## ANNEXE A

## Permanent Posting Directions

1. Confirming signal.
2. Confirming movement.
3. Having had leave.
4. Attention is drawn to Navy Order 495/71—Colour Perception.
5. Discharge on marriage—leave to be taken in accordance with ABR 1077, Article 1416.
6. Sailor is WA native and due allowance is to be made for Christmas leave and travelling arrangements.
7. Subject to re-engagement or revocation; intention to be signalled forthwith, followed by application if affirmative.
8. Subject to successful completion of course.
9. Subject to medical fitness.
10. To join by 1,700 on the date indicated.
11. Amending posting forecast.
12. Posted for unaccompanied service.
13. To report to HMAS PENGUIN on date indicated to undergo NBCD/medical component of course.
14. To report to HMAS CERBERUS on date indicated to undergo Seamanship component of course.
15. Signal report is to be made to Navy Office before sailor is despatched for course if he does not meet the following requirements:
  - a. possession of a civilian driving licence, not necessarily current but not endorsed;
  - b. current medical fitness for driving instruction; and
  - c. smartness in appearance.
16. Sailor is to have in his possession written evidence that medical and x-ray examinations are in date in accordance with the provisions of BR 241, Chapter 8, Paragraphs 5 and 8d.
17. Recommended for recruit training.
18. Recommended for other instructional duties.
19. Borne additional for fourteen days to assist in finding suitable accommodation—Re-entries/transfers/loan from foreign navies only.
20. To be retained under Section 28 (5) NDA until arrival at port nearest to his entitled place of discharge, unless required to be retained until arrival at the base port of ship. Date of discharge to be reported.

ANNEXE A—*continued*

21. In order to facilitate family passage arrangements, applications in accordance with NPI Article 1605/3 are to be forwarded forthwith.
22. Early action is to be initiated in respect of the following:—
  - a. application for passport and necessary visas;
  - b. medical examination; and,
  - c. inoculations and vaccinations.
23.
  - a. Medical and service documents are to be forwarded to reach HMAS CARPENTARIA at least three days prior to the commencement of the course or commencement of training;
  - b. PAC is to be forwarded to reach HMAS CARPENTARIA by the time the sailor arrives in UK. Where a member travels by air his PAC should be handed to him prior to his departure from Australia and kept readily available either on his person or in hand baggage; and,
  - c. Form KE104 is to be completed before departure for UK (*see* current Navy Orders).
24.
  - a. Medical and service documents are to be forwarded to reach HMAS WARATAH at least three days prior to the commencement of the course or commencement of training;
  - b. PAC is to be forwarded to reach HMAS WARATAH by the time the sailor arrives in USA. Where a sailor travels by air his PAC should be handed to him prior to his departure from Australia and kept readily available either on his person or in hand baggage.

(333/1/36)

*(Navy Orders 495/71 and 190/73)*

## UNCLASSIFIED

**44/75—Return of Service and Bonding—Officers**

Navy Order 232/74 is to be amended as follows:

**Annexe A—Courses generally—Non-Military courses.***Delete* the returns of service under 'Non-Military courses' and *insert* in lieu:

6 months and over—1 year longer than the length of training

(320/1/17)

*(Navy Order 232/74)*

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HISTORIAN

RESTRICTED

ANOs 45/75-57/75



# AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,  
15 February 1975.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

RESTRICTED

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45/75	Accidents—Handling of Weapons.
46/75	Procedures for Handling Requests for Defence Force Assistance to Civil Authorities.
<b>SECTION 2—PERSONNEL</b>	
47/75	RAN Tactical Courses.
<b>SECTION 4—EQUIPMENT, STORES AND SERVICING</b>	
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51/75	NBCD—NBC Protection.
52/75	Stores (Class 5965)—Introduction of Replacement Headsets to HMA Ships.
53/75	Uniform Clothing—Working Dress for Sailors of the Cook, Medical and Dental Categories.
<b>SECTION 5—BOOKS, CORRESPONDENCE, FORMS AND STATIONERY</b>	
54/75	Allowances of Publications for Patrol Boats and Operating and Maintenance Bases.
55/75	Information Concerning and Distribution of Publications and Amendments Managed by Executive Officer Publications Sydney—November 1974.
<b>AMENDMENTS</b>	
56/75	Sailors Titles and Abbreviations.
57/75	Cockatoo Island Dockyard—Control and Management.

Additional copies of Navy Orders may be readily obtained by:

- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 3461.

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

45/75—Accidents—Handling of Weapons

1. Accidents involving weapons have continued to occur, sometimes with fatal results.
2. Reports on these accidents highlight the importance of men receiving adequate training before being permitted to use weapons.
3. Commanding Officers are again reminded that the efficient and safe handling of any weapon involves:
  - a. a clear knowledge of the weapon and how to use it;
  - b. a sound appreciation of its dangerous potential; and
  - c. discipline in its use.
4. Commanding Officers are to ensure that officers and men whose duties include the use of weapons are properly instructed, and that only those who have been so trained are permitted to handle the weapons. Whenever any weapons are in use it is essential that officers and men whose duties are supervisory are competent in these duties, and that leadership and discipline of the highest order are maintained.
5. Navy Order 522/71 is hereby cancelled.

(177/1/67)

(Navy Order 522/71)

RESTRICTED

46/75—Procedures for Handling Requests for Defence Force Assistance to Civil Authorities

Introduction

1. Although the Australian Government has decided that the Defence Force will play a more positive role in assisting the civil community in the event of natural disasters and civil emergencies, this assistance is in a supporting role and, except in cases where immediate action is necessary to save life or to prevent extensive loss or damage to property, is given at the request of an appropriate State authority. These authorities vary from State to State and local Service commanders should know who is authorised to make requests on behalf of the State.
2. The principle to be followed in the provision of Service assistance is that the State professional services, backed up by local volunteer organisations, are responsible for combatting natural disasters and civil emergencies in the first instance. Australian Government resources (including the Defence Force) are available for support in areas where the State authorities are unable to cope.
3. The following instructions on procedures to be followed in the rendering of assistance to the Civil community do not apply to requests from Government Departments for coastal surveillance operations. Requests for this type of assistance are handled by the Joint Operations Staff (JOS), Department of Defence. Furthermore,

the instructions do not apply to requests for a Defence Force contribution to a situation in which law-enforcement would be the primary concern, or in which activity supporting law enforcement would be sought from the defence personnel involved.

#### Natural Disasters Organisation

4. The Natural Disasters Organisation (NDO) is established within the Department of Defence and has absorbed the former Civil Defence Organisation, putting new emphasis on combatting the threat of floods, bushfires and other disasters. It does not replace existing State machinery but provides a national agency which works with the State emergency services organisations and with other State authorities (such as the police) having responsibility for disaster and emergency control measures.

5. The NDO, and more specifically the National Emergency Operations Centre (NEOC), established within the NDO, is the co-ordination agency for requests for Australian Government support (including Defence Force support) in civil emergencies. The NDO seeks policy and financial decisions on aspects of these requests as required, carries out any necessary liaison within the Department of Defence on the availability of resources and with other Government Departments and agencies, and in the case of requests for Defence Force assistance, advises the Joint Staff and the Service concerned of the type and level of support authorised. This will assist in ensuring that in a major emergency the proper priority to be given to incoming requests will have been established before they are referred to the Defence Force.

6. As the role of NDO becomes known and accepted, it will become the focal point for requests for emergency assistance and should thus reduce the diversity of sources from which requests come at present. However, it is not anticipated that the advent of the NDO will reduce the number of requests made to Service commanders when the emergency situation is such that immediate action is necessary to save human life.

#### Action to be Taken on Receiving a Request for Assistance

(See Annexe A for definitions of categories)

7. a. *Category A.* The fundamental principle is that this category of assistance must be rendered promptly. While it is not possible, because of the nature of this type of situation, to be precise concerning channels of request and acceptance, it is most likely that the majority of requests will come from State organisations, such as the police and emergency services which have been established to deal with civil emergencies. This does not preclude, however, requests of a minor nature being made at any organisational or individual level to almost any Defence Force unit or headquarters. In consequence, the procedure for Category A requests is to render the immediate assistance at the most appropriate Defence Force level, co-ordinating it through Joint Service Local Planning Committees (JSLPCs) or local commanders where there is a joint service aspect. Whenever personnel and/or resources of the Defence Force are involved in a Category A operation, it is the responsibility of the senior Service officer involved to inform his own superior headquarters, copy to Chairman of the JSLPC and JOS, NEOC and appropriate Service authorities.

#### b. *Category B.*

(1) As in the case of Category A assistance, requests could originate from a variety of sources and the State authorities are fundamentally responsible for resolving the problem.

(2) Because of the State authorities' responsibilities and as there is sufficient time to reflect on the request, all requests received by Defence Force authorities for assistance under Category B are to be referred with the recommendation to the superior headquarters, with copies to NEOC, JOS, the Chairman JSLPC and appropriate Service authorities.

#### c. *Category C.*

(1) A request for non-emergency assistance for a specific project is more likely to be received through State, Parliamentary or other representations to the Prime Minister or the Minister for Defence than through other channels. However, some requests will no doubt be received at single Service headquarters in the States. The originators of such requests are most likely to be local or State authorities. Requests for project assistance should be referred with a recommendation to JOS via normal Service channels.

(2) The range of possible projects is very wide but most could be expected to involve the use of specialist elements of the Defence Forces such as Army engineers, Defence Force aircraft or naval divers.

(3) The skills of these units and the fact that there is no emergency aspect involved means that there could be criticism on the use of Defence Force labour from both unions and commercial enterprises who have the necessary skills and capacity to perform the task. It will therefore be necessary for any requesting authority to provide information to meet such criticism. These aspects of a proposal will also have to be discussed with the appropriate departments, eg, Labor, Transport.

(4) It would also be desirable before a decision is announced to reach some agreement with the requesting authority on the public relations aspects of a project, including the manner in which responsibility for control of the project and particularly any division of responsibilities, is to be presented to the media. Lack of such an agreement could result in unwarranted adverse publicity for a Service in circumstances which with better control of public relations should have enhanced its image. This will be handled by the Director of Public Relations in liaison with the Services concerned.

d. *Category D.* Requests will normally be received by a unit or base commander direct from the requesting organisation. If the task is clearly of a minor nature the unit or base commander may at his discretion authorise its performance, subsequently advising the next higher headquarters of the nature of the task and the resources used. In any case which would appear to involve more than minor use of resources permission should be obtained from the higher headquarters.

#### Command and Control

8. *Joint Co-ordination Centres.* The establishment of a local Joint Co-ordination Centre during an emergency may be necessary to ensure effective co-ordination of the use of Defence Force personnel and resources. The Chairman of the JSLPC may set up a Joint Co-ordination Centre in time of an emergency if he considers that the situation warrants it.

9. *Command Arrangements.* Once elements of the Defence Force are placed in support of State authorities, the tasking of individual units and sub-units is to be carried out through the normal Service chain of command. Liaison officers from the Services involved are to be located in the combatting agency's Operations Centre at whatever level is appropriate and are the channel through which State or local authorities are to place specific requests for Defence Force assistance and through which Service advice may be tendered.

10. *Requests Refused.* Requests for assistance from Categories A, B or C which are refused are to be reported to higher authority, together with the reason.

#### ANNEXE A

##### Definitions of Categories of Defence Force Assistance

##### Categories

1. Assistance to the civil community is divided into the following categories:

- a. *Category A.* Assistance in those civil emergencies where immediate action is necessary to save human or animal life or to prevent extensive loss or damage to property and where civilian resources are inadequate, not available or cannot be mobilised in time.
- b. *Category B.* Assistance in all other civil emergencies (excluding industrial disputes) in which there is time for the individuals and the authorities concerned to take precautionary measures and immediate action is therefore not imperative.
- c. *Category C.* Assistance of a non-emergency nature to other Australian Government departments, to the States, local government or other authorities and organisations.
- d. *Category D.* Tasks of a minor nature which are within the capacity of base/unit commanders to conduct, from within their own resources, for local organisations in localities contiguous to their own base/unit areas.

##### Natural Disasters Organisation (NDO)

2. The NDO is involved in Categories A and B, at the level of either co-ordination or advice, and in Category C for information where the request has a potential disaster prevention aspect.

(175/1/239)

#### Section 2

#### PERSONNEL

##### RESTRICTED

##### 47/75—RAN Tactical Courses

1. The following RAN Tactical Courses are effective from 1 January 1975:

- a. *Junior Officer's Tactical Course (JOTC).* Course No 901434. This course has been designed to provide the initial introduction to tactics for junior officers. Three courses of two weeks duration are programmed for each year. The course is open to the following students:
  - (1) Seaman officers (EX) with up to four years seniority as Lieutenant;
  - (2) WE officers who control weapons systems;
  - (3) Warrant Officers with Operations Room experience; and
  - (4) selected civilian officers from Defence establishments.

b. *RAN Tactical Course (RANTC).* Course No 901431. This three week course is held annually at a time suitable to HMAS WATSON and COMAUSFLT. The RANTC has been designed to provide officers with an opportunity to consolidate their previous tactical experience and to update that knowledge. The RANTC is open to:

- (1) experienced officers of senior Lieutenant rank and above;
- (2) civilian officers from Defence establishments who have completed the Junior Officers Tactical Course within the past two years; and
- (3) selected civilian officers with expertise in fields related to the course training standards who may be invited to attend as observers.

c. *Senior Officer's Tactical Study Period.* Course No 901094. It is intended to introduce a Senior Officer's Tactical Study Period, to be conducted annually.

2. At Annex A are the aims and Course Training Standards for the JOTC, and at Annex B those of the RAN Tactical Course. The duration of the JOTC is two weeks, and the RAN Tactical Course requires three weeks.

3. Great importance is attached to the attendance of appropriate officers on each course. In particular, Commanding Officers, Officers of the Command Team, and Weapons/Electronic Engineer Officers whose action or defence station will be in the operations room should make every effort to attend a course before taking up their posting. Where this is not practicable, Commanding Officers are to ensure that these officers attend a course at the first opportunity after taking up their posting. Refits and maintenance periods provide such opportunities.

4. Navy Order 384/72 is hereby cancelled.

#### ANNEXE A

##### Course Training Standards for Junior Officers Tactical Course

##### Aim

To produce an officer capable of recognising the existence and development of tactical situations in air, surface and subsurface environments, and be able to institute initial ship reactions to counter these situations.

##### Practical Skills

##### Attainment

- |   |   |
|---|---|
| 1. Initiate action against surface, submarine and air targets in accordance with current doctrine .. .. . | 2 |
| 2. Direct the employment of ASW aircraft .. .. .  | 2 |
| 3. Initiate and interpret threat warnings and states of readiness .. .. .                                 | 2 |

##### Cognitive Skills

- |   |   |
|---|---|
| 1. Comprehend the strength and probable tactics of the potential threat ..                  | B |
| 2. Know the tactical publications used in the RAN .. .. .                                   | B |
| 3. Comprehend the factors affecting the selection of screens and screening stations .. .. . | B |
| 4. Know carrier operations .. .. .  | B |
| 5. Comprehend SAU procedures .. .. .  | B |
| 6. Comprehend the principles and navigation aspects of NGS .. .. .                          | B |
| 7. Comprehend basic surface action tactics, and SAG procedures .. .. .                      | B |

## ANNEXE A—continued

<i>Cognitive Skills</i>	<i>Attainment</i>
8. Know the capabilities and limitations of above surface systems in RAN Service .. .. .	B
9. Know the capabilities and limitations of FGA aircraft in RAN Service .. .. .	B
10. Comprehend the principles of AAW doctrine of the RAN .. .. .	B
11. Comprehend intelligence gathering and surveillance in Australia's area of interest .. .. .	C
12. Comprehend tactical communications and tactical employment of EW in the RAN .. .. .	B
13. Comprehend basic ships and airborne ASW tactics .. .. .	B
14. Know the capabilities and limitations of ASW equipments and weapons in RAN service .. .. .	B
15. Know the capabilities and limitations of attack submarines .. .. .	B
16. Comprehend the principles of Joint ASW .. .. .	B
17. Comprehend Command and Control procedures .. .. .	A
18. Know the capabilities and limitations of RAN and potential enemies in Mine Warfare and MCM .. .. .	B
19. Comprehend the threat of swimmer attack and the counter .. .. .	B
20. Know the future developments in RAN equipments and comprehend world trends in defence equipment .. .. .	C

## ANNEXE B

## Course Training Standards for RAN Tactical Course

## Aim

To produce an officer able to:

1. Recognise the existence and development of tactical situations in air, surface and subsurface environments and apply current tactics to counter these situations.
2. Take part in discussions concerned with the development of Naval tactical doctrine.

<i>Practical Skills</i>	<i>Attainment</i>
1. Prosecute surface, submarine and air targets in accordance with current doctrine .. .. .	2
2. Direct the employment of CAP, STRIKE and ASW aircraft .. .. .	2
3. Initiate and interpret threat warnings and states of readiness .. .. .	1

<i>Cognitive Skills</i>	<i>Attainment</i>
1. Comprehend the strength and probable tactics of the potential threat .. .. .	A
2. Comprehend the factors involved in Rules of Engagement and Maritime Law .. .. .	C
3. Comprehend the principles of Joint Amphibious Operations .. .. .	C
4. Comprehend the factors affecting the selection of screens and screening stations .. .. .	B
5. Know carrier operations .. .. .	B

## ANNEXE A—continued

<i>Cognitive Skills</i>	<i>Attainment</i>
6. Comprehend SAU and SAG procedures .. .. .	A
7. Comprehend basic surface action tactics .. .. .	B
8. Know the capabilities and limitations of weapon systems in RAN service .. .. .	B
9. Know the capabilities and limitations of ECM and ESM equipment in RAN service .. .. .	B
10. Comprehend the considerations in EW tasking .. .. .	B
11. Comprehend basic ASW tactics .. .. .	A
12. Know the capabilities and limitations of submarines .. .. .	B
13. Comprehend the principles of JASW .. .. .	B
14. Comprehend Command and Control procedures .. .. .	A
15. Know the tactical publications used in the RAN for doctrine and reference .. .. .	B

(312/3/137)

(Navy Order 384/72)

## Section 4

## EQUIPMENT, STORES AND SERVICING

## UNCLASSIFIED

## 48/75—Decompression Chamber—NAS NOWRA

1. The decompression chamber located at RAN Air Station NOWRA is operated by the School of Aviation Medicine for instruction to aircrew:
  - a. in the use of aircraft and personal oxygen breathing equipment;
  - b. oxygen pressure breathing and the effects of hypoxia;
  - c. indoctrination in high altitude flying conditions.
2. The chamber is held on the Naval Air Engineers' list of equipment and administered by the Naval Aircraft Engineering Branch with respect to control of modifications, maintenance and testing.
3. The chamber is to be maintained in accordance with the instructions issued by the Superintendent, Aircraft Maintenance and Repair.
4. Navy Order 86/72 is hereby cancelled.

(1313/1/190)

(Navy Order 86/72)

## UNCLASSIFIED

## 49/75—Economy and Care with Stores

1. Excessive usage, losses and damage of stores and equipment are costly and avoidable and cannot be accepted at a time when it is necessary to achieve full value from a limited Defence vote.

2. So that the best use can be made of funds allocated for stores maintenance in the RAN, everyone in ships, establishments and dockyards is to exercise the strictest economy and care in the use of all stores and equipment.

(400/54/4)

UNCLASSIFIED

50/75—General Stores (Class 7930) Fluid Disinfectant, Usage and Dilution Rates

1. Paragraph 3 of Navy Order 486/71 stipulates that Phenyle is only to be used as an external, germicidal, disinfectant and deodoriser for industrial purposes. Relevant stock numbers are 6840-66-030-4244 and 6840-66-030-4245.

2. As the manufacture of Phenyle has been discontinued, the item is to be replaced, in all applications, with DISINFECTANT, GERMICIDAL AND FUNGICIDAL CONCENTRATE, formerly 6840-66-021-5587, now re-referenced to 7930-66-021-5587. (Other items which conform to Dockyard Material Specification 101, are also acceptable for this purpose.)

3. The proportions for mixing the Disinfectant, Germicidal and Fungicidal Concentrate are as follows:

- a. as a cleaner-germicide-sanitiser:  
two to four ounces per gallon of water.
- b. as a cleaner-deodoriser:  
two ounces per gallon of water.

4. Navy Order 486/71 is hereby cancelled.

(901/54/197)

(Navy Order 486/71)

UNCLASSIFIED

51/75—NBCD—NBC Protection

1. Various instructions have been issued since 1971 notifying the availability and end use of many new items introduced into the RAN for NBC personal protection. This order consolidates and supersedes all previous instructions on this subject.

2. The following items of NBC clothing are currently stocked and Defence stock numbers, full descriptions and operational and training allowances are contained in Annex A to this order:

- a. Mask, Protective, M17A1.
- b. Hood, Protective, M6A2.
- c. Suit, Protective, NBC.
- d. Gloves, Protective, NBC, Inner and Outer.
- e. Decontamination Kits, Personal, No 1, Mark 1 and No 2, Mark 1.
- f. Suit, Protective, NBC, Decontamination.
- g. Gloves, Rubber, Thin, NBCD.

Quantities required to complete allowances are to be demanded from the Superintending Victualling Store Officer, Sydney (Depot Code 0124). Any items held surplus to requirements are to be landed to that depot at the first convenient opportunity.

3. The suit, protective, NBC, No 1, Mark 1 (the CB suit) has recently been superseded by a Mark 3 suit.

4. Mark 1 and Mark 3 suits have a life of four and six years, respectively, from date of manufacture and are not to be used for any operational requirement after the date of life expiry.

5. It is not intended to issue the Mark 3 suit unless an operational requirement becomes apparent. Training is to be carried out using Mark 1 suits until stocks of the latter are exhausted. Life expired items may continue to be used for training.

6. Full instructions for the wearing and use of this equipment, excluding the protective mask M17A1 and protective hood M6A2, are contained in BR 2170 (1969) Ships NBCD Manual, Volume 1, Chapter 26. Instruction on the use of the protective mask M17A1 is given during NBCD courses.

7. Navy Orders 397/71, 122/73 and 263/74 are hereby cancelled.

Stock No.	Description	Unit	Allowance	Remarks
5171	PROTECTIVE SUIT, NBC, MARK 1	SUIT	4	
5172	PROTECTIVE SUIT, NBC, MARK 3	SUIT	6	
5173	PROTECTIVE HOOD, M6A2	HOOD	1	
5174	PROTECTIVE MASK, M17A1	MASK	1	
5175	PROTECTIVE GLOVES, NBC, INNER	GLOVE	1	
5176	PROTECTIVE GLOVES, NBC, OUTER	GLOVE	1	
5177	DECONTAMINATION KIT, PERSONAL, NO 1, MARK 1	KIT	1	
5178	DECONTAMINATION KIT, PERSONAL, NO 2, MARK 1	KIT	1	
5179	PROTECTIVE SUIT, NBC, DECONTAMINATION	SUIT	1	
5180	PROTECTIVE GLOVES, RUBBER, THIN, NBCD	GLOVE	1	

ANNEXE A  
NBC Protective Clothing—Item Details

51/75

Class	Catalogue Number	Description	Unit of Issue	Acctg Classification	Operational Allowances	Training Allowances
9415	99-973-5555	SUIT, PROTECTIVE, NBC, No 1, MARK 1, SMALL	EA	C	One suit per man plus two suits per two men, ie, 250% of complement. Full allowances of this equipment will be issued to specific ships when conditions require	10% of peacetime complement. Patrol Craft, Landing Craft, Heavy and Submarines are not required to train with this equipment. NBCD Schools at HMAS PENGUIN and CERBERUS may use up to 100 sets per year
8415	99-973-5556	SUIT, PROTECTIVE, NBC, No 1, MARK 1, MEDIUM	EA	C		
8415	99-973-5557	SUIT, PROTECTIVE, NBC, No 1, MARK 1, LARGE	EA	C		
8415	99-132-3494	SUIT, PROTECTIVE, NBC, No 1, MARK 3, SMALL	EA	C		
8415	99-132-3495	SUIT, PROTECTIVE, NBC, No 1, MARK 3, MEDIUM	EA	C		
8415	99-132-3496	SUIT, PROTECTIVE, NBC, No 1, MARK 3, LARGE	EA	C		
8415	99-975-7909	GLOVES, PROTECTIVE, NBC, OUTER, SIZE 8	PR	C		
8415	99-975-7910	GLOVES, PROTECTIVE, NBC, OUTER, SIZE 8½	PR	C		
8415	99-975-7911	GLOVES, PROTECTIVE, NBC, OUTER, SIZE 9	PR	C		
8415	99-975-7912	GLOVES, PROTECTIVE, NBC, OUTER, SIZE 9½	PR	C		
8415	99-975-7913	GLOVES, PROTECTIVE, NBC, OUTER, SIZE 10	PR	C		
8415	99-975-7914	GLOVES, PROTECTIVE, NBC, INNER, SIZE 8/8½	PR	C		
8415	99-975-7915	GLOVES, PROTECTIVE, NBC, INNER, SIZE 9/9½	PR	C		

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8415	99-975-7916	GLOVES, PROTECTIVE, NBC, INNER, SIZE 10	PR	C	Allowances as per ABR 93, Part 2, Section 5, Scales 1E and 3B	To be used from operational allowances as required
8415	66-081-2734	HOOD, PROTECTIVE, NBC, DECONTAMINATION	EA	P		
8415	66-074-2988	COAT, PROTECTIVE, NBC, DECONTAMINATION	EA	P		
8415	66-080-7057	TROUSERS, PROTECTIVE, NBC, DECONTAMINATION	PR	P	One per man plus 50% spare	Limited to demonstration and familiarisation during NBCD Courses and for use by the Fleet Training Group
6545	99-960-8415	DECONTAMINATION KIT, PERSONAL, No 1	EA	C		
6545	99-TSN-9500	DECONTAMINATION KIT, PERSONAL, No 2	EA	C	As laid down in Warrants of Naval Armament Stores	Not applicable
4240	00-926-4199	MASK, PROTECTIVE, FIELD, M17A1, SMALL	EA	P		
4240	00-926-4201	MASK, PROTECTIVE, FIELD, M17A1, MEDIUM	EA	P		
4240	00-926-4200	MASK, PROTECTIVE, FIELD, M17A1, LARGE	EA	P	Allowances as per ABR 93, Part 2	To be used from operational allowances
V4	41082	GLOVES, RUBBER, THIN, NBCD, SIZE 6½	PR	C		
V4	41083	GLOVES, RUBBER, THIN, NBCD, SIZE 7½	PR	C		
V4	41084	GLOVES, RUBBER, THIN, NBCD, SIZE 8	PR	C		
V4	41085	GLOVES, RUBBER, THIN, NBCD, SIZE 8½	PR	C		
V4	41086	GLOVES, RUBBER, THIN, NBCD, SIZE 9	PR	C		
V4	41087	GLOVES, RUBBER, THIN, NBCD, SIZE 9½	PR	C		

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51/75



## UNCLASSIFIED

**52/75—Stores (Class 5965)—Introduction of Replacement Headsets to HMA Ships**

1. A new range of Headsets has been introduced for fitment in new construction ships and for progressive replacement in existing ships as the headsets currently in use become unserviceable. Relevant Stock Numbers of existing Headsets and their appropriate replacements are as follows:

Existing Headset	Replacement Headset
5965-99-462-4486 (formerly 0558-198585)	5965-66-048-0750
5965-99-462-4444 (formerly 0558-198538)	5965-66-048-0751
5965-99-462-4477 (formerly 0558-198574)	5965-66-048-0752
5965-99-462-4475 (formerly 0558-198572)	5965-66-048-0753
5965-99-462-4478 (formerly 0558-198575)	5965-66-048-0754

2. The new Headsets are basically the same as those in service but incorporate design features which meet RAN requirements and overcome existing deficiencies. In addition, the 5965-66-048-0752 HEADSET is a lightweight unit more suitable on interphone systems in enclosed areas.

(5965/3/1)

## UNCLASSIFIED

**53/75—Uniform Clothing—Working Dress for Sailors of the Cook, Medical and Dental Categories**

1. In future, leading cook sailors and below are to wear a long sleeved white shirt, in lieu of the gymnasium undershirt, and white drill trousers (Class I and III pattern) as working dress.

2. Accordingly, all entitled cook sailors are to receive an issue, on personal loan, of four shirts, and blue woven rank and branch badges as appropriate.

3. Issues are not to be made to sailors with less than three months to serve, unless they re-engage, or to elective dischargees unless they revoke their election.

4. Requirements of shirts may be demanded from Royal Edward Victualling Yard, Sydney (Depot Code 0124) using the Defence Stock Numbers and descriptions detailed in Annexe A to this order.

5. The working dress for cook sailors and sailors of the medical and dental categories are now as follows:

a. Cook Sailors	..	..	..	Shirt, White, Loan, Working Dress Trousers, Drill, White (Class I and III Pattern)
b. Medical and Dental Sailors	..	..	..	Shirt, Polyester/Viscose, White, Long Sleeved Trousers, Polyester/Viscose, White.

6. Relevant Clothing Scales will be amended accordingly.

## ANNEXE A

Class	Catalogue No	Description	Unit of Issue	Price \$
8405	66-072-7292	SHIRT, MAN'S, POLYESTER/VISCOSE, LOAN, SUMMER, WHITE, LONG SLEEVE, WORKING DRESS, SIZE 13½	Ea	6.15
8405	66-072-7293	SHIRT, MAN'S, POLYESTER/VISCOSE, LOAN, SUMMER, WHITE, LONG SLEEVE, WORKING DRESS, SIZE 14	Ea	
8405	66-072-7294	SHIRT, MAN'S, POLYESTER/VISCOSE, LOAN, SUMMER, WHITE, LONG SLEEVE, WORKING DRESS, SIZE 14½	Ea	
8405	66-072-7295	SHIRT, MAN'S, POLYESTER/VISCOSE, LOAN, SUMMER, WHITE, LONG SLEEVE, WORKING DRESS, SIZE 15	Ea	
8405	66-072-7296	SHIRT, MAN'S, POLYESTER/VISCOSE, LOAN, SUMMER, WHITE, LONG SLEEVE, WORKING DRESS, SIZE 15½	Ea	
8405	66-072-7297	SHIRT, MAN'S, POLYESTER/VISCOSE, LOAN, SUMMER, WHITE, LONG SLEEVE, WORKING DRESS, SIZE 16	Ea	
8405	66-072-7298	SHIRT, MAN'S, POLYESTER/VISCOSE, LOAN, SUMMER, WHITE, LONG SLEEVE, WORKING DRESS, SIZE 16½	Ea	
8405	66-072-7299	SHIRT, MAN'S, POLYESTER/VISCOSE, LOAN, SUMMER, WHITE, LONG SLEEVE, WORKING DRESS, SIZE 17	Ea	
8405	66-072-7334	SHIRT, MAN'S, POPLIN, LOAN, WHITE, WORKING DRESS, SIZE 12	Ea	
8405	66-072-7335	SHIRT, MAN'S, POPLIN, LOAN, WHITE, WORKING DRESS, SIZE 12½	Ea	
8405	66-072-7336	SHIRT, MAN'S, POPLIN, LOAN, WHITE, WORKING DRESS, SIZE 13	Ea	
8405	66-072-7337	SHIRT, MAN'S, POPLIN, LOAN, WHITE, WORKING DRESS, SIZE 13½	Ea	
8405	66-072-7338	SHIRT, MAN'S, POPLIN, LOAN, WHITE, WORKING DRESS, SIZE 14	Ea	
8405	66-072-7339	SHIRT, MAN'S, POPLIN, LOAN, WHITE, WORKING DRESS, SIZE 14½	Ea	
8405	66-072-7340	SHIRT, MAN'S, POPLIN, LOAN, WHITE, WORKING DRESS, SIZE 15	Ea	
8405	66-072-7341	SHIRT, MAN'S, POPLIN, LOAN, WHITE, WORKING DRESS, SIZE 15½	Ea	
8405	66-072-7342	SHIRT, MAN'S, POPLIN, LOAN, WHITE, WORKING DRESS, SIZE 16	Ea	
8405	66-072-7343	SHIRT, MAN'S, POPLIN, LOAN, WHITE, WORKING DRESS, SIZE 16½	Ea	
8405	66-072-7344	SHIRT, MAN'S, POPLIN, LOAN, WHITE, WORKING DRESS, SIZE 17	Ea	
8405	66-072-7345	SHIRT, MAN'S, POPLIN, LOAN, WHITE, WORKING DRESS, SIZE 17½	Ea	
8405	66-072-7346	SHIRT, MAN'S, POPLIN, LOAN, WHITE, WORKING DRESS, SIZE 18	Ea	
8405	66-072-7347	SHIRT, MAN'S, POPLIN, LOAN, WHITE, WORKING DRESS, SIZE 18½	Ea	
8405	66-080-0399	TROUSERS, MEN'S, DRILL, WHITE, CLASS I AND III, Size 2	Pr	4.20
8405	66-080-0400	TROUSERS, MEN'S, DRILL, WHITE, CLASS I AND III, Size 3	Pr	
8405	66-080-0401	TROUSERS, MEN'S, DRILL, WHITE, CLASS I AND III, Size 3½	Pr	
8405	66-080-0402	TROUSERS, MEN'S, DRILL, WHITE, CLASS I AND III, Size 3¾	Pr	
8405	66-080-0403	TROUSERS, MEN'S, DRILL, WHITE, CLASS I AND III, Size 4	Pr	4.20
8405	66-080-0404	TROUSERS, MEN'S, DRILL, WHITE, CLASS I AND III, Size 4½	Pr	

## ANNEXE A—continued

Class	Catalogue No	Description	Unit of Issue	Price \$
8405	66-080-0405	TROUSERS, MEN'S, DRILL, WHITE, CLASS I AND III, Size 4½	Pr	4.20
8405	66-080-0406	TROUSERS, MEN'S, DRILL, WHITE, CLASS I AND III, Size 5	Pr	
8405	66-080-0407	TROUSERS, MEN'S, DRILL, WHITE, CLASS I AND III, Size 5½	Pr	
8405	66-080-0408	TROUSERS, MEN'S, DRILL, WHITE, CLASS I AND III, Size 6	Pr	
8405	66-080-0409	TROUSERS, MEN'S, DRILL, WHITE, CLASS I AND III, Size 6½	Pr	
8405	66-080-0410	TROUSERS, MEN'S, DRILL, WHITE, CLASS I AND III, Size 7	Pr	
8405	66-080-0411	TROUSERS, MEN'S, DRILL, WHITE, CLASS I AND III, Size 7A	Pr	
8405	66-080-0412	TROUSERS, MEN'S, DRILL, WHITE, CLASS I AND III, Size 7A	Pr	
8405	66-080-0413	TROUSERS, MEN'S, DRILL, WHITE, CLASS I AND III, Size 7A	Pr	
8405	66-079-8916	TROUSERS, MEN'S, POLYESTER/VISCOSE, WHITE, W/D LOAN, Size 3	Pr	
8405	66-079-8917	TROUSERS, MEN'S, POLYESTER/VISCOSE, WHITE, W/D LOAN, Size 3½	Pr	
8405	66-079-8918	TROUSERS, MEN'S, POLYESTER/VISCOSE, WHITE, W/D LOAN, Size 4	Pr	
8405	66-079-8919	TROUSERS, MEN'S, POLYESTER/VISCOSE, WHITE, W/D LOAN, Size 4½	Pr	
8405	66-079-8920	TROUSERS, MEN'S, POLYESTER/VISCOSE, WHITE, W/D LOAN, Size 5	Pr	
8405	66-079-8921	TROUSERS, MEN'S, POLYESTER/VISCOSE, WHITE, W/D LOAN, Size 5½	Pr	
8405	66-079-8922	TROUSERS, MEN'S, POLYESTER/VISCOSE, WHITE, W/D LOAN, Size 6	Pr	
8405	66-079-8923	TROUSERS, MEN'S, POLYESTER/VISCOSE, WHITE, W/D LOAN, Size 6½	Pr	
8405	66-079-8924	TROUSERS, MEN'S, POLYESTER/VISCOSE, WHITE, W/D LOAN, Size 7	Pr	
8405	66-079-8925	TROUSERS, MEN'S, POLYESTER/VISCOSE, WHITE, W/D LOAN, Size 7A	Pr	
8405	66-079-8926	TROUSERS, MEN'S, POLYESTER/VISCOSE, WHITE, W/D LOAN, Size 7A	Pr	
8405	66-079-8927	TROUSERS, MEN'S, POLYESTER/VISCOSE, WHITE, W/D LOAN, Size 7A	Pr	
8405	66-079-8928	TROUSERS, MEN'S, POLYESTER/VISCOSE, WHITE, W/D LOAN, Size 7A	Pr	
8405	66-079-8929	TROUSERS, MEN'S, POLYESTER/VISCOSE, WHITE, W/D LOAN, Size 7A	Pr	

(917/51/42)

## Section 5

## BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

## UNCLASSIFIED

## 54/75—Allowances of Publications for Patrol Boats and Operating and Maintenance Bases

1. The Annexes to this Navy Order detail the approved allowances of publications for patrol boats to be maintained onboard and at operating and maintenance bases.

2. The Annexes detail the following categories of publications:

Annexe A—MARINE ENGINEERING, HULL AND NBCD

Annexe B—WEAPONS ELECTRONIC ENGINEERING

Sub-section (a) Communications

(b) Radar

(c) Navigation Equipment

(d) Electrical General.

Annexe C—COMMUNICATIONS

Annexe D—GUNNERY

Annexe E—NAVIGATION—OPERATIONS—SEAMANSHIP

Annexe F—ADMINISTRATION

Annexe G—MEDICAL.

3. Each Annexe contains two listings:

Part 1—Mandatory allowance of publications to be carried on board patrol boats.

Part 2—Minimum allowances of *additional* publications to be held by operating and maintenance bases. The bases concerned are:

HMAS WATERHEN

HMAS CERBERUS

HMAS LEEUWIN

COMPNGPATRON

HMAS MELVILLE

HMAS CAIRNS

HMAS CRESWELL.

4. Publications held in excess of allowances are to be returned to the Publications Store, Royal Edward Victualling Yard, Jones Bay Road, Pyrmont, NSW 2009, in accordance with ABR 4 Chapter 25.

5. Demands for publications to fulfil allowances should be submitted direct to the Executive Officer Publications, Garden Island, in accordance with Navy Order 236/74, and quoting this Navy Order as the authority.

6. Drawings and Trials Schedules will be the subject of a separate instruction.

7. Trial Schedules should be demanded from SVSO, Sydney (Store Depot Code 0086), in accordance with ABR 4 Chapter 25. Schedules are listed in ABR 5074, Group Class Forms.

8. It is to be noted that some publications required by operating and maintenance bases have not been included. Further amendments to this Navy Order will be promulgated as allowances are defined.

3. Publications which were previously catalogued as MBRs, and are now listed as TEMs, are to be locally amended by holders of the publications.

10. Publications preceded by an asterisk are not available for issue to PNG and Indonesian patrol boats. Publications preceded by a dagger are not available for issue to HQ PNGDF or COMPNGPATRON.

## ANNEXE A

## Marine Engineering, Hull and NBCD

## Part 1

## Books to be carried on Board

BR 3000 .. ..	Marine Engineering Manual .. ..	1	
BR 3001 .. ..	Marine Technical Instruction .. ..	1	
ABR 19 .. ..	RAN Painting Manual (Pocket book) .. ..	1	
ABR 5162 Vols 1-3..	RAN 100 ft Patrol Craft Main Engines—PAXMAN 16Y JCM Diesel Engine .. ..	1	Note 1
TEM 2815-0007 ..	Detroit Diesel in line 71—Operators Manual (6SE 329) (was MBR 8969) .. ..	1	
TEM 2000-0001 ..	Machinery Information Book Part A (was MBR 8975A) .. ..	1	
TEM 2000-0002 ..	Machinery Information Book Part B (was MBR 8975B) .. ..	1	
ABR 5211 V2 ..	RAN 100 ft Patrol Boat Operators H/Bk—Mechanical .. ..	1	
	Patrol Boat Marine Engineering Orders .. ..	1	} Note 2
	Patrol Boat Pre-commissioning Training Course, Vols 1 and 2 .. ..	1	

Notes: 1. Will be issued when available without demand.

2. Provided by HMAS WATERHEN.

3. The following MBRs are to be retained onboard until issue of ABR 5211 V1 and V2.

MBR 8899 .. ..	Air Conditioning and Ventilation Instructions .. ..	1
MBR 8900 .. ..	Refrigerating Plant for Patrol Vessels .. ..	1
MBR 8901 .. ..	Monopumps Data Book .. ..	1
TEM 2030-0001 ..	Mattway Power Steering Manual (was MBR 9051) ..	1
TEM 2805-0001 ..	20 H.P. Johnson Outboard Instruction Manual (was MBR 9406) .. ..	1
TEM 2805-0002 ..	20 H.P. Outboard Motor, Workshop Manual (was MBR 9465) .. ..	1

## Part 2

## Additional books required at Operating and Maintenance Bases

BR 1754 .. ..	Safety Regulations for Storing and Handling Petroleum Oils, Lubricants and certain other hazardous stores in HMA Ships .. ..	1
TEM 2815-0008 ..	PAL System—Engine and Transmission for 71 In line Series Engines (Microfiche) .. ..	1

## ANNEXE A—continued

BR 2170 .. ..	NBCD Manual Vol 1 .. ..	3	Note 1
BR 2171 .. ..	NBCD Manual Vol 2 .. ..	3	
BR 3009 .. ..	Naval Oils Manual .. ..	1	
RANAL (CAT) 61 ..	NBCD Allowances for HMA Ships .. ..	1	
RANAL (CAT) 85 ..	Allowances of Curtains and Overcases to HMA Ships ..	1	

Notes: 1. Copies available for loan to attached ships (1 copy only at HMAS CERBERUS, CRESWELL and LEEUWIN).

2. TEM 3950-0001 Operating Instructions and Parts List for Electric Windlass (was MBR 9391) is to be retained until issue of ABR 5211 V1 and V2.

## ANNEXE B

## Weapons Electronic Engineering

## Part 1

## Books to be carried on Board

## a. Communications

BR 2304 (1) ..	H.B. for Type 690 and associated serial outfit ..	1	} Note 1
BR 2304 (2) ..	H.B. for Type 696 (PT2) maintenance ..	1	
BR 2062 (1) ..	H.B. for Type 691 Series and receiver outfit ..	1	} Note 2
BR 2062 (2) ..	H.B. for Type 691 Series and receiver outfit (Maintenance/Repair directions) .. ..	1	
BR 2446 .. ..	H.B. for Auto Alarm Outfit SQA .. ..	1	
BR 575 (2) E ..	16W Audio amplifier .. ..	1	
TEM 5820-0001 ..	RA 217—HF Communications receiver Vol 1 ..	1	
TEM 5820-0002 ..	RA 217—HF Communications receiver Vol 2 ..	1	
NS 0967-034-8000 ..	Instruction Manual for SSB Transceiver RF 301 (AN/URC 58) (PM0301A, B, C, D, E, F etc) (was MBR 9353, 9354 and 9355) .. ..	1	Note 3

## b. Radar

BR 2351 .. ..	H.B. for Radar Type 975 .. ..	1
BR 2351 (Addm) ..	H.B. for Radar Type 975 (1) With Display Outfit JUC 3 .. ..	1

## c. Navigational Equipment

TEM 6605-0001 ..	Arma Brown Gyro Compass Equipment Technical Handbook (was MBR 8040) .. ..	1
TEM 5845-0002 ..	H/bk for Ferrograph Offshore Echo Sounder (was MBR 8854) .. ..	1

## d. Electrical General

ABR 5211 V1 ..	RAN 100 ft Patrol Boat Operators Handbook—Electrical .. ..	1	Note 4
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Notes: 1. BR 2304 (1) and (2) to 696 fitted boats only.

2. BR 2062 (1) and (2) to 691 fitted boats only.

3. When demanding NS 0967-034-8000 state serial No of equipment.

4. MBR 8858—Patrol Boat Electrical Information Manual; MBR 8886—H.B. for silicon rectifier set style S3T 220/16; and TEM 2090-0001—H.B. Marine window wipers Type B, Wynne instruments (was MBR 8853) are to be retained until issue of ABR 5211 V1.

## ANNEXE B—continued

## Part 2

## Additional books required at Operating and Maintenance Bases

## a. Communications

TEM 6320-0001	..	Instructional Manual for auto alarm type 3830 A/B (was MBR 9069)	..	..	1
TEM 5985-0001	..	Instructional Manual for Antenna coupler RF 302 (PM 0302A) (was MBR 9357)	..	..	1
TEM 5985-0002	..	Instructional Manual for Antenna coupler RF 302 (PM 0302D) (was MBR 9358)	..	..	1
TEM 5985-0003	..	Instructional Manual for remote controlled Antenna coupler RF 302R (PM 0335D) (was MBR 9356)	..	..	1
7610-66-029-5014	..	Handbook for regular set MX-F1 used with radio set PRC-F1	..	..	1
TEM 5820-0003	..	Telecommunications F572 Radio RT-F1/PRC Technical description (was MBR 9082)	..	..	1
TEM 5820-0004	..	Repair parts scale for radio sets PRC-F1-GRC-F1 (was MBR 9155)	..	..	1
BR 2472	..	Aerial outfit AJE	..	..	1
BR 2365	..	H.B. for UHF Transmitter Receiver Type 634 Portable (A43R Mk2)	..	..	1
BR 2428	..	H.B. for Type 638 Transmitter Receiver (Solus II)	..	..	1
BR 575 (5)	..	Hand held Microphone	..	..	1
BR 576 (6)	..	Loudspeakers	..	..	1
7610-66-029-5013	..	H.B. for Radio Set PRC-F1	..	..	1

## b. Navigational Equipments

TEM 6605-0002	..	Arma Brown Gyro Compass circuits to A0062W (was MBR 9199)	..	..	1
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## ANNEXE C

## Communications

(Not including ACPs)

## Books to be Carried Onboard

ABR 99	..	Basic Australian Naval Communications and Manoeuvring Instructions	..	..	1	Note 1
*ABR 5028	..	RAN Communications Orders	..	..	1	
ABR 5168	..	Signal Message Writing Subject Indicator Book	..	..	1	
MBR 8977	..	International Code of Signals	..	..	1	

## Additional Books Required at Operating and Maintenance Bases

BR 98	..	Boats Signals Book	..	..	1
BR 222	..	Users Guide to Wireless Equipment	..	..	1
ABR 222	..	Users Guide to Wireless Equipment	..	..	1
ABR 1971	..	Australian Visual Signalling Equipment Handbook	3	Note 2	
ABR 5044	..	Manual for use by Mobile Services	3	Note 2	
MBR 8544A	..	Australian Supplement to Manual for use by Mobile Services	3	Note 2	

- Notes: 1. Will be issued when available without demand.  
2. Copies available for loan to attached ships (1 copy only at HMAS CERBERUS, CRESWELL and LEEUWIN).

## ANNEXE D

## Gunnery

## Part 1

## Books to be carried on Board

BR 1043	..	Firing Manual	..	..	1	Note 1
BR 1057	..	Handbook for 40mm guns	..	..	1	
BR 1205 (50)	..	Handbook for GGS Type 6 Mk 2	..	..	1	
BR 1847	..	Handbook for 40mm Mk 7 mounting	..	..	1	
BR 2070	..	Boarding Officers Pocket Book	..	..	1	
ABR 5104	..	Handbook for 0.5" Browning MG	..	..	1	
ABR 5105	..	Handbook for 9mm Pistol	..	..	1	
ABR 5123	..	Handbook for 2" RFL	..	..	1	
ABR 5156	..	Operation and Maintenance of 7.62mm SLR	..	..	1	
ABR 5182	..	Drill for 40/60 mounting Mk 7	..	..	1	
7610-66-023-3614	..	Handbook for 9mm SMG (was MBR 8914)	..	..	1	Note 2
BR 862	..	Naval Magazine and Explosives Regulations	..	..	1	Note 1
OP 546	..	Rewinding Machine Mk 1 Mod 1 Operating Instructions	..	..	1	Note 3

- Notes: 1. Until replaced by ABRs 862 and 1043 respectively which will be issued without demand.  
2. When SMG is supplied.  
3. Will be issued without demand.

## Part 2

## Additional books required at Operating and Maintenance Bases

BR 291	..	Particulars of Naval Ordnance	..	..	1
ABR 2553	..	Weapon and Electrical Engineering Practice Manual	1	Note 1	
BR 1110	..	Ships Officers drawings—40mm Mk 7 Mounting	3	Note 2	
BR 1786	..	Preservation of Gunnery Equipment	..	..	1
ABR 1920	..	Handbook for Naval Landing and Boarding Parties	3	Note 2	
MBR 8533	..	Aid to Civil Power (Army Publication)	..	..	1

- Notes: 1. Supersedes BR 292 BR 2034. ABR 2553 will be issued, when available, without demand. BR 292 and BR 2034 are to be retained until issue of ABR 2553.  
2. Copies available for loan to attached ships (1 copy only at HMAS CERBERUS, CRESWELL and LEEUWIN).

## ANNEXE E

## Navigation/Operations/Seamanship

(Not including Hydrographic Publications)

## Part 1

## Books to be carried on Board

BR 45 (1)	..	Navigation Manual Vol 1	..	..	1
BR 45 (2)	..	Navigation Manual Vol 2	..	..	1
BR 45 (3)	..	Navigation Manual Vol 3	..	..	1

## ANNEXE E—continued

BR 45 (4) ..	Navigation Manual Vol 4 .. .. .	1
BR 454 ..	Notes on Navigation .. .. .	1
ABR 5210 ..	Procedures for Patrolling the Declared Fishing Zone	1
ABR 5048 ..	Guide Book for the Australia Station .. .. .	1
*ABR 5180 ..	AUSTSUB—Australian Submarine Search and Rescue Instructions .. .. .	1
ATP 10 ..	Search and Rescue .. .. .	1 Note 1

Note: 1. Issued by Distributing Authority, Melbourne.

## Part 2

## Additional books required at Operating and Maintenance Bases

BR 67 (1) ..	Manual of Seamanship Vol 1 .. .. .	3 Note 1
BR 67 (2) ..	Manual of Seamanship Vol 2 .. .. .	3 Note 1
BR 67 (3) ..	Manual of Seamanship Vol 3 .. .. .	3 Note 1
BR 67 (4) ..	Manual of Seamanship Vol 4 .. .. .	3 Note 1
BR 134 ..	Collisions and Groundings .. .. .	1
BR 1841 ..	A Seaman's Guide to the Rule of the Road .. .. .	3 Note 1
BR 1982 ..	Warning Radar—Users Instructions .. .. .	1
BR 1982B ..	A10—Users Instructions .. .. .	1
MBR 8868 ..	Ports of Australia .. .. .	3 Note 1
ABR 1997 ..	RAN Handbook of Life Saving Equipment .. .. .	1
ABR 5129 ..	RAN Digest of Accidents and Incidents .. .. .	1
MBR 9142 ..	Unit Guide to the Geneva Convention .. .. .	1

Note: 1. Copies available for loan to attached ships (1 copy only at HMAS CERBERUS, CRESWELL and LEEUWIN).

## ANNEXE F

## Administration

## Part 1

## Books to be carried on Board

ABR 4 ..	Naval Storekeeping Manual .. .. .	1
ABR 5 V1 and V2 ..	Cookery Manual .. .. .	1
ABR 408 ..	Prayers and Hymns .. .. .	1
ABR 5016 (1) ..	Regulations and Instructions Vol 1 .. .. .	1
ABR 5016 (2) ..	Regulations and Instructions Vol 2 .. .. .	1
ABR 5151 (1) ..	Manual of Naval Law Vol 1 .. .. .	1
ABR 5151 (2) ..	Manual of Naval Law Vol 2 .. .. .	1
ABR 5179 ..	Manual of Law of the Sea .. .. .	1
PE 0040 Periodical ..	Navy List RAN .. .. .	1
†*ABR 337 ..	Instructions for Physical Security .. .. .	1
†*ACB 0337 ..	Instructions for Physical Security .. .. .	1
†*ACB 0328 ..	Instructions on Security of Personnel .. .. .	1

## Part 2

## Additional books required at Operating and Maintenance Bases

ABR 10 ..	Promotion Instructions .. .. .	1
ABR 27 Vols 2 and 3 ..	Training Manual .. .. .	1
ABR 93 ..	Manual of Victualling Stores .. .. .	3 Note 1
ABR 97 ..	Stewards Handbook .. .. .	1

## ANNEXE F—continued

ABR 81 ..	Uniform Instructions .. .. .	1
ABR 5101 ..	Accounting Instructions for Non-Public Funds .. .. .	3 Note 1
JSP (AS) 101 ..	Glossary of Terms .. .. .	1
JSP (AS) 102 ..	Service Writing .. .. .	3 Note 1
†ABR 5020 ..	Naval Pay Instructions .. .. .	1

Note: 1. Copies available for loan to attached ships (1 copy only at HMAS CERBERUS, CRESWELL and LEEUWIN).

## ANNEXE G

## Medical

## Part 1

## Books to be carried on Board

ML 122 ..	International Medical Guide for Ships (was MBR 8957) .. .. .	1
ML 123 ..	Venomous Australian Animals Dangerous to Man (was MBR 9059) .. .. .	1
ML 124 ..	First Aid (was MBR 9165) .. .. .	1

## Part 2

## Additional books required at Operating and Maintenance Bases

ABR 5103 ..	Naval Dental Instructions .. .. .	1
ABR 1991 ..	Naval Medical and Hospital Instructions .. .. .	1
MEL 11 ..	Medical Equipment List No 11 (1973) .. .. .	1

(465/61/228)

## UNCLASSIFIED

## 55/75—Information Concerning and Distribution of Publications and Amendments Managed by Executive Officer Publications Sydney—November 1974

1. The Annexes list publications and amendments distributed, declared obsolete, superseded, etc, during November 1974.

2. Allowances for ships and establishments, as distinct from gratuitous and repayment issues, will be issued without demand by the Publications Authority, Garden Island, NSW, in accordance with an approved scale and automatic updating is provided.

3. Holders of basic publications are reminded that only those issues recorded on NAVPUB will be updated without demand (Navy Order 158/74 refers).

4. Changes issued to publications held as advance copies or to publications not on general distribution are not reflected in Navy Orders.

## Gratuitous Issues

5. Where it has been decided that a gratuitous or personal issue of a publication will be made, a Navy Order detailing the basis of issue and the personnel concerned, and instructing ships and establishments to obtain their requirements for this purpose, through their Supply Officer, will be promulgated.

6. Supply Officers should place demands on the Publications Authority, Garden Island, NSW, for the total number of copies required in their respective ship or establishment, on Form SO150 (Navy Order 236/74 refers), stating the reason for the requirement and quoting the relevant Navy Order. The publications are to be accounted by the Supply Officer in accordance with ABR 4, Articles 1301 and 2512.

7. Automatic updating is not provided for copies of publications on gratuitous issue and demands for updating should be placed on the Publications Authority, Garden Island, NSW, upon notification of its availability in Navy Orders. Form SX40 should be used for demanding changes and the form should clearly state 'Required for amending Personal Issue Copies'.

#### Repayment Issues

8. If it has been approved that a publication should be made available from Departmental stocks for sale to certain categories of personnel, a Navy Order will be promulgated detailing the basis of issue and the rate to be charged to personnel concerned.

9. Supply Officers should place demands on the Publications Authority, Garden Island, NSW, for the copies required, on Form SO150 quoting the reason for requirement and the relevant Navy Order. The publications are to be accounted for by the Supply Officer in accordance with ABR 4 Chapters 13 and 25.

10. Automatic updating is not provided for copies of publications issued on repayment, and demands for updating should be placed on the Publications Authority, Garden Island, NSW, upon notification of its availability. Again Form SX40 should be used for demanding these changes and the form should clearly state 'Required for amending Repayment Issue Copies'.

#### Other

11. Issues, etc, of periodicals and magazines are not included in monthly Navy Orders.

12. The recipients of ABR 27 Volume 2, 1974, which have been issued without covers, are to insert the publications into covers provided for the superseded 1973 edition. Covers will be forwarded without demand when available to authorities issued with the current edition, but who did not receive the 1973 edition.

#### ANNEXE A

##### Initial Issue of Basic Publications Issued to Approved Holders

Publication No	Title	Edition
AAP 7442.041-3M ..	HS 748 Mass Flow Controller OM IPB BSS MODS ..	72
AAP 7672.021-2M ..	Three Phase Induction Motor PT/NPG 1507-2AM3 ..	72
ABR 1043 V3 ..	RAN Firing Manual ..	—
ABR 5074A ..	Memorandum of Instructions for Use with ABR 5074 ..	74
ABR 5166 ..	Navigation Lighting Control Panel ..	73
AP RAN 19 V4 Pt2 I2 ..	Trade Flexible Operation Cards—IROQUOIS Aircraft ..	—
AP 104F-1004-16 ..	Main Wheel Dunlop Pt/No AH 50945 ..	66
AP 108D-0101-16 ..	Safety Harness Type Z General and Technical Inform ..	73
AP 108D-0101-5FN ..	Safety Harness Type Z Unit Bay Servicing ..	72
AP 108E-0001-1 ..	Liferafts Operation and Handling Instructions ..	—
AP 116B-0901-6 ..	Sabre Search and Rescue Beacon UHF Equipt. Tech. Inf ..	74

#### ANNEXE A—continued

Publication No	Title	Edition
BR 1 ..	Book of Reference Catalogue ..	73
BR 16 ..	List of Operational and Tactical Publications ..	72
BR 2382 ..	H/Bk for Radar Auxiliary Units ..	73
BR 2525WP88116/02 ..	Gun Direction Officers Sight Type T275 and T275A ..	70
BR 2544 (1) A ..	Drill for Medium Range System MK3 MOD 1 ..	71
BR 320E ..	Cat of Security Classified Electronic Equipt ..	73
BR 320F V3 ..	List of S/seded and Reref Naval Stores ..	73
BR 4200 (Mods) ..	H/Bk for Radar Type 2006 Modifications ..	73
BR 934 ..	Event Recorder MK4 and MK1—H/Bk for ..	73
BR 936 (4) ..	H/Bk for GWS 20 and 21 Pt4 ..	73
MBR 9402 ..	Swan Torrens Airconditioning Installation H/Bks ..	—
MBR 9840 ..	Ribbons and Medals by Capt. H. Tarrell-Darling R.N. ..	—
NA 00-35QX-193 ..	Constant Speed Drive LD6-6, LD6-10, LD61-0A IOL ..	74
NA 01-40AVC-2-2-3 ..	A-4E/4F/4G/4H A/C Personal Environment Maint Inst ..	67
NA 16-30-APM-245-2 ..	Simulator Test Set AN/APM 245A ..	73
NAVSUP 4105 ..	List of Items Requiring Special Handling Lirsh ..	74
NS 0967-004-2000 ..	Radio Transmitter Receiver 4PG Amplifier Elect Assy ..	72
NS 0967-004-3000 ..	Radio Transmitter Receiver 10PG Translator SYN E/Assy ..	72
NS 0967-004-4000 ..	Radio Transmitter T827/VRT Receiver R1051/URR Stan Ele ..	72
NS 0905-099-6010 ..	Principles of Operation Main and Auxiliary Machinery DD945-947, DDGs 2, 3, 10, 11 ..	60
OD16157 ..	Exploder Mech. MK20 MOD 0-2 Train Packing Inst ..	71
OP 3000 V3 ..	Weapons Systems Synthesis of Systems ..	71
TB 43.0001-2-3 ..	Rotary Wing Aircraft Equipt Improv Maint Digest ..	74
7610-66-029-5013 ..	Radio Set MK48 with Amd'ts ..	73

#### ANNEXE B

##### Amendments Issued to Publications

Publication No	Amendment No
AAP 7000.001-1 ..	1
AAP 7111.009-4 ..	4
AAP 7113.003-2 ..	7, 22
AAP 7152.002-3M ..	6, 7, 8
AAP 7210.010-2-5 ..	2
AAP 7210.010-4 ..	2
AAP 7210.010-7-1 ..	7
AAP 7211.006-99 ..	57
AAP 7212.001-4 ..	22
AAP 7212.004-3 ..	11
AAP 7221.005-3M ..	24 to 37
AAP 7272.073-3 ..	4
AAP 7272.080-3 ..	3
AAP 7291.008-100 ..	6
AAP 7294.017-3M ..	14
AAP 7294.020-3M ..	3

## ANNEXE B—continued

Publication No	Amendment No
AAP 7301.001-3 .. ..	12
AAP 7303.002-3 .. ..	18
AAP 7411.010-3M .. ..	10
AAP 7435.107-3 .. ..	4
AAP 7513.055-3 .. ..	2
AAP 7521.003-3M .. ..	12
AAP 7521.004-3M .. ..	6, 7
AAP 7521.005-3M .. ..	3
AAP 7532.021-3M .. ..	7
AAP 7533.015-3M .. ..	13
AAP 7537.002-3M .. ..	9
AAP 7556.006-3 .. ..	11
AAP 7649.046-2M .. ..	3
AAP 7649.047-2M .. ..	4
AAP 7831.063-3M-3 .. ..	1
ABR 5013 .. ..	2
ABR 5016V1 .. ..	37
ABR 5018 .. ..	31
ABR 5020 .. ..	8
ABR 5112 (4B) 1 .. ..	1
ABR 5147 .. ..	2, 3
ABR 5168 .. ..	3
AP RAN 100 V1 Pt 10 .. ..	23
AP RAN 100 V1 Pt 11 .. ..	19
AP RAN 100 V1 Pt 12 .. ..	25, 26
AP RAN 100 V1 Pt 13 .. ..	3
AP RAN 100 V1 Pt 14 .. ..	3
AP RAN 100 V1 Pt 15 .. ..	4
AP RAN 100 V1 Pt 16 .. ..	6
AP RAN 100 V1 Pt 17 .. ..	23
AP RAN 100 V1 Pt 18 .. ..	1
AP RAN 100 V1 Pt 2 .. ..	3
AP RAN 100 V1 Pt 3 .. ..	15, 16, 17
AP RAN 100 V1 Pt 4 .. ..	6
AP RAN 100 V1 Pt 5 .. ..	5
AP RAN 100 V1 Pt 6 .. ..	17, 18, 19
AP RAN 100 V1 Pt 7 .. ..	48, 49
AP RAN 100 V1 Pt 8 .. ..	45
AP RAN 100 V2 Pt 10 .. ..	74
AP RAN 100 V2 Pt 3 .. ..	54, 52
AP RAN 100 V2 Pt 6 .. ..	33, 41, 43, 44
AP RAN 100 V2 Pt 7 .. ..	117
AP RAN 100 V2 Pt 9 .. ..	57, 60
AP RAN 19 V2 B1 B2 I2 .. ..	108
AP RAN 19 V4 P2 .. ..	31
AP RAN 19 V5 P1 P2 P3 .. ..	39 to 44
AP RAN 201 V2 .. ..	36
AP RAN 203 V2 .. ..	7
AP RAN 2100 .. ..	52
AP RAN 30 V1 V3 V6 I2 .. ..	7

## ANNEXE B—continued

Publication No	Amendment No
AP RAN 46 V1 V3 V6 .. ..	2
AP RAN 500 V2 P1 .. ..	234, 253
AP RAN 500 V2 P2 P3 .. ..	95
AP RAN 500 V5 P1 S2 I2 .. ..	6, 7
AP RAN 500 V5 P1 S3 I2 .. ..	3
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(465/61/228)

(Navy Orders 158/74 and 236/74)

AMENDMENTS

UNCLASSIFIED

56/75—Sailors Titles and Abbreviations

The following amendments are to be made to Navy Order 241/74:

Annexe A:

Delete Communications Branch.

Insert the following:

Communications Branch

Previous Title Abbreviation	New Title (in full)	New Title Abbreviation
ABLIN	Able Seaman Linguist	ABLIN
LLIN	Leading Seaman Linguist	LSLIN
POLIN	Petty Officer Linguist	POLIN
CPOLIN	Chief Petty Officer Linguist	CPOLIN
WOCY	Warrant Officer Signals Yeoman	WOSY
CCY	Chief Petty Officer Signals Yeoman	CPOSY
CY	Petty Officer Signals Yeoman	POSY
LTO	Leading Seaman Signals	LSSIG
TO	Able Seaman Signals	ABSIG
TO2	Seaman Signals	SMNSIG
WORS	Warrant Officer Radio Supervisor	WORS
CRS	Chief Petty Officer Radio Supervisor	CPORS
RS	Petty Officer Radio Supervisor	PORS
LRO	Leading Seaman Radio	LSRO
RO	Able Seaman Radio	ABRO
RO2	Seaman Radio	SMNRO
WORSS	Warrant Officer Radio Supervisor Special	WORSS
CRSS	Chief Petty Officer Radio Supervisor Special	CPORSS
RSS	Petty Officer Radio Supervisor Special	PORSS
LROS	Leading Seaman Radio Special	LSROS
ROS	Able Seaman Radio Special	ABROS
ROS2	Seaman Radio Special	SMNROS
WORSEW	Warrant Officer Radio Supervisor Electronic Warfare	WORSEW
CRSEW	Chief Petty Officer Radio Supervisor Electronic Warfare	CPOSEW
RSEW	Petty Officer Radio Supervisor Electronic Warfare	PORSEW
LROEW	Leading Seaman Radio Electronic Warfare	LSROEW
ROEW	Able Seaman Radio Electronic Warfare	ABROEW
ROEW2	Seaman Radio Electronic Warfare	SMNROEW

Add after Musician Branch:

Naval Police Branch

Previous Title Abbreviation	New Title (in full)	New Title Abbreviation
WONP ..	Warrant Officer Naval Police .. ..	WONP
SGT ..	Sergeant .. ..	SGT
SNR CONST ..	Senior Constable .. ..	SNR CONST
CONST ..	Constable .. ..	CONST
CONST2 ..	The rank of Constable 2nd Class has been deleted from the Branch structure	
RCT CONST ..	Recruit Constable .. ..	RCT CONST

(302/1/13)

(Navy Order 241/74)

UNCLASSIFIED

57/75—Cockatoo Island Dockyard—Control and Management

Navy Order 281/74 is to be amended as follows:

Paragraph 5c:

Delete: 'Member and Secretary: Area Finance Officer'.

Insert: 'Member and Secretary: Area Secretary'.

Paragraph 7:

Delete: 9297722 (GOSIEAA Switchboard).

(1234/51/112)

(Navy Order 281/74)

held after December 31st

Special Order Form

Form Title	Form Title (Rev.)	Form Title (Rev.)
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W-9	W-9 (Rev. 10-67)	W-9 (Rev. 10-67)
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1041-SS	1041-SS (Rev. 10-67)	1041-SS (Rev. 10-67)
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1041-SSB	1041-SSB (Rev. 10-67)	1041-SSB (Rev. 10-67)
1041-SSC	1041-SSC (Rev. 10-67)	1041-SSC (Rev. 10-67)
1041-SSD	1041-SSD (Rev. 10-67)	1041-SSD (Rev. 10-67)
1041-SSS	1041-SSS (Rev. 10-67)	1041-SSS (Rev. 10-67)
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1041-SSA (SSC)	1041-SSA (SSC) (Rev. 10-67)	1041-SSA (SSC) (Rev. 10-67)
1041-SSA (SSD)	1041-SSA (SSD) (Rev. 10-67)	1041-SSA (SSD) (Rev. 10-67)
1041-SSA (SSS)	1041-SSA (SSS) (Rev. 10-67)	1041-SSA (SSS) (Rev. 10-67)

(1041-SS)

(1041-SS) (Rev. 10-67)

UNCLASSIFIED

5772--Contract Award Report--Control and Management

See Order 2174 is to be entered as follows:

Paragraph 4:

Order Number and Amount: See Order 2174

Item Number and Amount: See Order 2174

Paragraph 7:

Date: 10/11/67 (1041-SSA (SSA))

(1041-SS)

(1041-SS) (Rev. 10-67)

**RESTRICTED**

**RESTRICTED**



# AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,  
20 February 1975.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

NAVY ORDER

Additional copies of Navy Orders may be readily obtained by:

- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 3461.

ADMINISTRATIVE AND GENERAL

10660/75-2

THE GOVERNMENT OF AUSTRALIA

NAVY ORDER 58/75

International Regulations for Preventing Collisions at Sea 1972.

1. The following regulations for preventing collisions at sea shall apply to the Australian Naval Force and to any vessel of the Australian Naval Force operating in the Australian waters.

2. The regulations shall be subject to such modifications as may be required from time to time by the Australian Naval Force.

3. It is the duty of the commanding officer of any vessel to ensure that the regulations are observed.

4. The regulations shall be published in the Australian Official Gazette.

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## Section 1

## ADMINISTRATIVE AND GENERAL

## UNCLASSIFIED

## 58/75—International Regulations for Preventing Collisions at Sea 1972

1. The International Regulations for Preventing Collisions at Sea 1972 (shown at Annexe A) will probably come into force on 1 January 1976. Further advice will be promulgated.

2. Additional copies of this order are being distributed to facilitate study of the new regulations. A personal issue is not intended as it is expected that a new edition of 'A Seaman's Guide to the Rule of the Road' will be available for issue by about September 1975.

3. It is essential that all seaman officers, and senior sailors carrying out bridge watchkeeping duties, have a thorough knowledge of the new regulations by the date the Convention enters into force.

## Annexe A

## CONVENTION ON THE INTERNATIONAL REGULATIONS FOR PREVENTING COLLISIONS AT SEA 1972

The Parties to the Present Convention,

DESIRING to maintain a high level of safety at sea,

MINDFUL of the need to revise and bring up to date the International Regulations for Preventing Collisions at Sea annexed to the Final Act of the International Conference on Safety of Life at Sea, 1960,

HAVING CONSIDERED those Regulations in the light of developments since they were approved,

HAVE AGREED as follows:

## ARTICLE I

*General Obligations*

The Parties to the present Convention undertake to give effect to the Rules and other Annexes constituting the International Regulations for Preventing Collisions at Sea, 1972, (hereinafter referred to as "the Regulations") attached hereto.

## ARTICLE II

*Signature, Ratification, Acceptance, Approval and Accession*

1. The present Convention shall remain open for signature until 1 June 1973 and shall thereafter remain open for accession.

2. States Members of the United Nations, or of any of the Specialized Agencies, or the International Atomic Energy Agency, or Parties to the Statute of the International Court of Justice may become Parties to this Convention by:

- (a) signature without reservation as to ratification, acceptance or approval;
- (b) signature subject to ratification, acceptance or approval followed by ratification, acceptance or approval; or
- (c) accession.



ANNEXE A—*continued*

3. Ratification, acceptance, approval or accession shall be effected by the deposit of an instrument to that effect with the Inter-Governmental Maritime Consultative Organization (hereinafter referred to as "the Organization") which shall inform the Governments of States that have signed or acceded to the present Convention of the deposit of each instrument and of the date of its deposit.

## ARTICLE III

*Territorial Application*

1. The United Nations in cases where they are the administering authority for a territory, or any Contracting Party responsible for the international relations of a territory, may at any time by notification in writing to the Secretary-General of the Organization (hereinafter referred to as "the Secretary-General"), extend the application of this Convention to such a territory.

2. The present Convention shall, upon the date of receipt of the notification or from such other date as may be specified in the notification, extend to the territory named therein.

3. Any notification made in accordance with paragraph 1 of this Article may be withdrawn in respect of any territory mentioned in that notification and the extension of this Convention to that territory shall cease to apply after one year or such longer period as may be specified at the time of the withdrawal.

4. The Secretary-General shall inform all Contracting Parties of the notification of any extension or withdrawal of any extension communicated under this Article.

## ARTICLE IV

*Entry into force*

1. (a) The present Convention shall enter into force twelve months after the date on which at least 15 States, the aggregate of whose merchant fleets constitutes not less than 65 per cent by number or by tonnage of the world fleet of vessels of 100 gross tons and over have become Parties to it, whichever is achieved first.

(b) Notwithstanding the provisions in sub-paragraph (a) of this paragraph, the present Convention shall not enter into force before 1 January 1976.

2. Entry into force for States which ratify, accept, approve or accede to this Convention in accordance with Article II after the conditions prescribed in sub-paragraph 1 (a) have been met and before the Convention enters into force, shall be on the date of entry into force of the Convention.

3. Entry into force for States which ratify, accept, approve or accede after the date on which this Convention enters into force, shall be on the date of deposit of an instrument in accordance with Article II.

4. After the date of entry into force of an amendment to this Convention in accordance with paragraph 4 of Article VI, any ratification, acceptance, approval or accession shall apply to the Convention as amended.

5. On the date of entry into force of this Convention, the Regulations replace and abrogate the International Regulations for Preventing Collisions at Sea, 1960.

6. The Secretary-General shall inform the Governments of States that have signed or acceded to this Convention of the date of its entry into force.

ANNEXE A—*continued*

## ARTICLE V

*Revision Conference*

1. A Conference for the purpose of revising this Convention or the Regulations or both may be convened by the Organization.

2. The Organization shall convene a Conference of Contracting Parties for the purpose of revising this Convention or the Regulations or both at the request of not less than one-third of the Contracting Parties.

## ARTICLE VI

*Amendments to the Regulations*

1. Any amendment to the Regulations proposed by a Contracting Party shall be considered in the Organization at the request of that Party.

2. If adopted by a two-thirds majority of those present and voting in the Maritime Safety Committee of the Organization, such amendment shall be communicated to all Contracting Parties and Members of the Organization at least six months prior to its consideration by the Assembly of the Organization. Any Contracting Party which is not a Member of the Organization shall be entitled to participate when the amendment is considered by the Assembly.

3. If adopted by a two-thirds majority of those present and voting in the Assembly, the amendment shall be communicated by the Secretary-General to all Contracting Parties for their acceptance.

4. Such an amendment shall enter into force on a date to be determined by the Assembly at the time of its adoption unless, by a prior date determined by the Assembly at the same time, more than one-third of the Contracting Parties notify the Organization of their objection to the amendment. Determination by the Assembly of the dates referred to in this paragraph shall be by a two-thirds majority of those present and voting.

5. On entry into force any amendment shall, for all Contracting Parties which have not objected to the amendment, replace and supersede any previous provisions to which the amendment refers.

6. The Secretary-General shall inform all Contracting Parties and Members of the Organization of any requests and communication under this Article and the date on which any amendment enters into force.

## ARTICLE VII

*Denunciation*

1. The present Convention may be denounced by a Contracting Party at any time after the expiry of five years from the date on which the Convention entered into force for that Party.

2. Denunciation shall be effected by the deposit of an instrument with the Organization. The Secretary-General shall inform all other Contracting Parties of the receipt of the instrument of denunciation and of the date of its deposit.

3. A denunciation shall take effect one year, or such longer period as may be specified in the instrument, after its deposit.

## ANNEXE A—continued

## ARTICLE VIII

*Deposit and Registration*

1. The present Convention and the Regulations shall be deposited with the Organization, and the Secretary-General shall transmit certified true copies thereof to all Governments of States that have signed this Convention or acceded to it.
2. When the present Convention enters into force, the text shall be transmitted by the Secretary-General to the Secretariat of the United Nations for registration and publication in accordance with Article 102 of the Charter of the United Nations.

## ARTICLE IX

*Languages*

The present Convention is established, together with the Regulations, in a single copy in the English and French languages, both texts being equally authentic. Official translations in the Russian and Spanish languages shall be prepared and deposited with the signed original.

IN WITNESS WHEREOF the undersigned\* being duly authorized by their respective Governments for that purpose have signed the present Convention.

DONE AT LONDON this twentieth day of October one thousand nine hundred and seventy-two.

\* Signatures omitted

**INTERNATIONAL REGULATIONS FOR PREVENTING COLLISIONS AT SEA, 1972**

## PART A—GENERAL

## Rule 1

*Application*

- (a) These Rules shall apply to all vessels upon the high seas and in all waters connected therewith navigable by seagoing vessels.
- (b) Nothing in these Rules shall interfere with the operation of special rules made by an appropriate authority for roadsteads, harbours, rivers, lakes or inland waterways connected with the high seas and navigable by seagoing vessels. Such special rules shall conform as closely as possible to these Rules.
- (c) Nothing in these Rules shall interfere with the operation of any special rules made by the Government of any State with respect to additional station or signal lights or whistle signals for ships of war and vessels proceeding under convoy, or with respect to additional station or signal lights for fishing vessels engaged in fishing as a fleet. These additional station or signal lights or whistle signals shall, so far as possible, be such that they cannot be mistaken for any light or signal authorized elsewhere under these Rules.
- (d) Traffic separation schemes may be adopted by the Organization for the purpose of these Rules.

## ANNEXE A—continued

- (e) Whenever the Government concerned shall have determined that a vessel of special construction or purpose cannot comply fully with the provisions of any of these Rules with respect to the number, position, range or arc of visibility of lights or shapes, as well as to the disposition and characteristics of sound-signalling appliances, without interfering with the special function of the vessel, such vessel shall comply with such other provisions in regard to the number, position, range or arc of visibility of lights or shapes, as well as to the disposition and characteristics of sound-signalling appliances, as her Government shall have determined to be the closest possible compliance with these Rules in respect of that vessel.

## Rule 2

- (a) Nothing in these Rules shall exonerate any vessel, or the owner, master or crew thereof, from the consequences of any neglect to comply with these Rules or of the neglect of any precaution which may be required by the ordinary practice of seamen, or by the special circumstances of the case.
- (b) In construing and complying with these Rules due regard shall be had to all dangers of navigation and collision and to any special circumstances, including the limitations of the vessels involved, which may make a departure from these Rules necessary to avoid immediate danger.

## Rule 3

*General Definitions*

For the purpose of these Rules, except where the context otherwise requires:

- (a) The word "vessel" includes every description of water craft, including non-displacement craft and seaplanes, used or capable of being used as a means of transportation on water.
- (b) The term "power-driven vessel" means any vessel propelled by machinery.
- (c) The term "sailing vessel" means any vessel under sail provided that propelling machinery, if fitted, is not being used.
- (d) The term "vessel engaged in fishing" means any vessel fishing with nets, lines, trawls or other fishing apparatus which restrict manoeuvrability, but does not include a vessel fishing with trolling lines or other fishing apparatus which do not restrict manoeuvrability.
- (e) The word "seaplane" includes any aircraft designed to manoeuvre on the water.
- (f) The term "vessel not under command" means a vessel which through some exceptional circumstance is unable to manoeuvre as required by these Rules and is therefore unable to keep out of the way of another vessel.
- (g) The term "vessel restricted in her ability to manoeuvre" means a vessel which from the nature of her work is restricted in her ability to manoeuvre as required by these Rules and is therefore unable to keep out of the way of another vessel.

The following vessels shall be regarded as vessels restricted in their ability to manoeuvre:

- (i) a vessel engaged in laying, servicing or picking up a navigation mark, submarine cable or pipeline;
- (ii) a vessel engaged in dredging, surveying or underwater operations;

## ANNEXE A—continued

- (iii) a vessel engaged in replenishment or transferring persons, provisions or cargo while underway;
  - (iv) a vessel engaged in the launching or recovery of aircraft;
  - (v) a vessel engaged in minesweeping operations;
  - (vi) a vessel engaged in a towing operation such as renders her unable to deviate from her course.
- (h) The term "vessel constrained by her draught" means a power-driven vessel which because of her draught in relation to the available depth of water is severely restricted in her ability to deviate from the course she is following.
- (i) The word "underway" means that a vessel is not at anchor, or made fast to the shore, or aground.
- (j) The words "length" and "breadth" of a vessel mean her length overall and greatest breadth.
- (k) Vessels shall be deemed to be in sight of one another only when one can be observed visually from the other.
- (l) The term "restricted visibility" means any condition in which visibility is restricted by fog, mist, falling snow, heavy rainstorms, sandstorms or any other similar causes.

## PART B—STEERING AND SAILING RULES

## SECTION I—CONDUCT OF VESSELS IN ANY CONDITION OF VISIBILITY

**Rule 4***Application*

Rules in this Section apply in any condition of visibility.

**Rule 5***Look-out*

Every vessel shall at all times maintain a proper look-out by sight and hearing as well as by all available means appropriate in the prevailing circumstances and conditions so as to make a full appraisal of the situation and of the risk of collision.

**Rule 6***Safe Speed*

Every vessel shall at all times proceed at a safe speed so that she can take proper and effective action to avoid collision and be stopped within a distance appropriate to the prevailing circumstances and conditions.

In determining a safe speed the following factors shall be among those taken into account:

- (a) By all vessels:
  - (i) the state of visibility;
  - (ii) the traffic density including concentrations of fishing vessels or any other vessels;

## ANNEXE A—continued

- (iii) the manoeuvrability of the vessel with special reference to stopping distance and turning ability in the prevailing conditions;
  - (iv) at night the presence of background light such as from shore lights or from back scatter of her own lights;
  - (v) the state of wind, sea and current, and the proximity of navigational hazards;
  - (vi) the draught in relation to the available depth of water.
- (b) Additionally, by vessels with operational radar:
- (i) the characteristics, efficiency and limitations of the radar equipment;
  - (ii) any constraints imposed by the radar range scale in use;
  - (iii) the effect on radar detection of the sea state, weather and other sources of interference;
  - (iv) the possibility that small vessels, ice and other floating objects may not be detected by radar at an adequate range;
  - (v) the number, location and movement of vessels detected by radar;
  - (vi) the more exact assessment of the visibility that may be possible when radar is used to determine the range of vessels or other objects in the vicinity.

**Rule 7***Risk of Collision*

- (a) Every vessel shall use all available means appropriate to the prevailing circumstances and conditions to determine if risk of collision exists. If there is any doubt such risk shall be deemed to exist.
- (b) Proper use shall be made of radar equipment if fitted and operational, including long-range scanning to obtain early warning of risk of collision and radar plotting or equivalent systematic observation of detected objects.
- (c) Assumptions shall not be made on the basis of scanty information, especially scanty radar information.
- (d) In determining if risk of collision exists the following considerations shall be among those taken into account:
  - (i) such risk shall be deemed to exist if the compass bearing of an approaching vessel does not appreciably change;
  - (ii) such risk may sometimes exist even when an appreciable bearing change is evident, particularly when approaching a very large vessel or a tow or when approaching a vessel at close range.

**Rule 8***Action to avoid Collision*

- (a) Any action taken to avoid collision shall, if the circumstances of the case admit, be positive, made in ample time and with due regard to the observance of good seamanship.
- (b) Any alteration of course and/or speed to avoid collision shall, if the circumstances of the case admit, be large enough to be readily apparent to another vessel observing visually or by radar; a succession of small alterations of course and/or speed should be avoided.

## ANNEXE A—continued

- (c) If there is sufficient sea room, alteration of course alone may be the most effective action to avoid a close-quarters situation provided that it is made in good time, is substantial and does not result in another close-quarters situation.
- (d) Action taken to avoid collision with another vessel shall be such as to result in passing at a safe distance. The effectiveness of the action shall be carefully checked until the other vessel is finally past and clear.
- (e) If necessary to avoid collision or allow more time to assess the situation, a vessel shall slacken her speed or take all way off by stopping or reversing her means of propulsion.

**Rule 9***Narrow Channels*

- (a) A vessel proceeding along the course of a narrow channel or fairway shall keep as near to the outer limit of the channel or fairway which lies on her starboard side as is safe and practicable.
- (b) A vessel of less than 20 metres in length or a sailing vessel shall not impede the passage of a vessel which can safely navigate only within a narrow channel or fairway.
- (c) A vessel engaged in fishing shall not impede the passage of any other vessel navigating within a narrow channel or fairway.
- (d) A vessel shall not cross a narrow channel or fairway if such crossing impedes the passage of a vessel which can safely navigate only within such channel or fairway. The latter vessel may use the sound signal prescribed in Rule 34 (d) if in doubt as to the intention of the crossing vessel.
- (e) (i) In a narrow channel or fairway when overtaking can take place only if the vessel to be overtaken has to take action to permit safe passing, the vessel intending to overtake shall indicate her intention by sounding the appropriate signal prescribed in Rule 34 (c) (i). The vessel to be overtaken shall, if in agreement, sound the appropriate signal prescribed in Rule 34 (c) (ii) and take steps to permit safe passing. If in doubt she may sound the signals prescribed in Rule 34 (d).
- (ii) This Rule does not relieve the overtaking vessel of her obligation under Rule 13.
- (f) A vessel nearing a bend or an area of a narrow channel or fairway where other vessels may be obscured by an intervening obstruction shall navigate with particular alertness and caution and shall sound the appropriate signal prescribed in Rule 34 (e).
- (g) Any vessel shall, if the circumstances of the case admit, avoid anchoring in a narrow channel.

**Rule 10***Traffic Separation Schemes*

- (a) This Rule applies to traffic separation schemes adopted by the Organization.
- (b) A vessel using a traffic separation scheme shall:
  - (i) proceed in the appropriate traffic lane in the general direction of traffic flow for that lane;

## ANNEXE A—continued

- (ii) so far as practicable keep clear of a traffic separation line or separation zone;
- (iii) normally join or leave a traffic lane at the termination of the lane, but when joining or leaving from the side shall do so at as small an angle to the general direction of traffic flow as practicable.
- (c) A vessel shall so far as practicable avoid crossing traffic lanes, but if obliged to do so shall cross as nearly as practicable at right angles to the general direction of traffic flow.
- (d) Inshore traffic zones shall not normally be used by through traffic which can safely use the appropriate traffic lane within the adjacent traffic separation scheme.
- (e) A vessel, other than a crossing vessel, shall not normally enter a separation zone or cross a separation line except:
  - (i) in cases of emergency to avoid immediate danger;
  - (ii) to engage in fishing within a separation zone.
- (f) A vessel navigating in areas near the terminations of traffic separation schemes shall do so with particular caution.
- (g) A vessel shall so far as practicable avoid anchoring in a traffic separation scheme or in areas near its terminations.
- (h) A vessel not using a traffic separation scheme shall avoid it by as wide a margin as is practicable.
- (i) A vessel engaged in fishing shall not impede the passage of any vessel following a traffic lane.
- (j) A vessel of less than 20 metres in length or a sailing vessel shall not impede the safe passage of a power-driven vessel following a traffic lane.

## SECTION II—CONDUCT OF VESSELS IN SIGHT OF ONE ANOTHER

**Rule 11***Application*

Rules in this Section apply to vessels in sight of one another.

**Rule 12***Sailing Vessels*

- (a) When two sailing vessels are approaching one another, so as to involve risk of collision, one of them shall keep out of the way of the other as follows:
  - (i) when each has the wind on a different side, the vessel which has the wind on the port side shall keep out of the way of the other;
  - (ii) when both have the wind on the same side, the vessel which is to windward shall keep out of the way of the vessel which is to leeward;
  - (iii) if a vessel with the wind on the port side sees a vessel to windward and cannot determine with certainty whether the other vessel has the wind on the port or on the starboard side, she shall keep out of the way of the other.

## ANNEXE A—continued

- (b) For the purposes of this Rule the windward side shall be deemed to be the side opposite to that on which the mainsail is carried or, in the case of a square-rigged vessel, the side opposite to that on which the largest fore-and-aft sail is carried.

**Rule 13***Overtaking*

- (a) Notwithstanding anything contained in the Rules of this Section any vessel overtaking any other shall keep out of the way of the vessel being overtaken.
- (b) A vessel shall be deemed to be overtaking when coming up with another vessel from a direction more than 22.5 degrees abaft her beam, that is, in such a position with reference to the vessel she is overtaking, that at night she would be able to see only the sternlight of that vessel but neither of her sidelights.
- (c) When a vessel is in any doubt as to whether she is overtaking another, she shall assume that this is the case and act accordingly.
- (d) Any subsequent alteration of the bearing between the two vessels shall not make the overtaking vessel a crossing vessel within the meaning of these Rules or relieve her of the duty of keeping clear of the overtaken vessel until she is finally past and clear.

**Rule 14***Head-on Situation*

- (a) When two power-driven vessels are meeting on reciprocal or nearly reciprocal courses so as to involve risk of collision each shall alter her course to starboard so that each shall pass on the port side of the other.
- (b) Such a situation shall be deemed to exist when a vessel sees the other ahead or nearly ahead and by night she could see the masthead lights of the other in a line or nearly in a line and/or both sidelights and by day she observes the corresponding aspect of the other vessel.
- (c) When a vessel is in any doubt as to whether such a situation exists she shall assume that it does exist and act accordingly.

**Rule 15***Crossing Situation*

When two power-driven vessels are crossing so as to involve risk of collision, the vessel which has the other on her own starboard side shall keep out of the way and shall, if the circumstances of the case admit, avoid crossing ahead of the other vessel.

**Rule 16***Action by Give-way Vessel*

Every vessel which is directed by these Rules to keep out of the way of another vessel shall, so far as possible, take early and substantial action to keep well clear.

## ANNEXE A—continued

**Rule 17***Action by Stand-on Vessel*

- (a) (i) Where by any of these Rules one of two vessels is to keep out of the way the other shall keep her course and speed.
- (ii) The latter vessel may however take action to avoid collision by her manoeuvre alone, as soon as it becomes apparent to her that the vessel required to keep out of the way is not taking appropriate action in compliance with these Rules.
- (b) When, from any cause, the vessel required to keep her course and speed finds herself so close that collision cannot be avoided by the action of the give-way vessel alone, she shall take such action as will best aid to avoid collision.
- (c) A power-driven vessel which takes action in a crossing situation in accordance with sub-paragraph (a)(ii) of this Rule to avoid collision with another power-driven vessel shall, if the circumstances of the case admit, not alter course to port for a vessel on her own port side.
- (d) This Rule does not relieve the give-way vessel of her obligation to keep out of the way.

**Rule 18***Responsibilities between Vessels*

Except where Rules 9, 10 and 13 otherwise require:

- (a) A power-driven vessel underway shall keep out of the way of:
- (i) a vessel not under command;
  - (ii) a vessel restricted in her ability to manoeuvre;
  - (iii) a vessel engaged in fishing;
  - (iv) a sailing vessel.
- (b) A sailing vessel underway shall keep out of the way of:
- (i) a vessel not under command;
  - (ii) a vessel restricted in her ability to manoeuvre;
  - (iii) a vessel engaged in fishing.
- (c) A vessel engaged in fishing when underway shall, so far as possible, keep out of the way of:
- (i) a vessel not under command;
  - (ii) a vessel restricted in her ability to manoeuvre.
- (d) (i) Any vessel other than a vessel not under command or a vessel restricted in her ability to manoeuvre shall, if the circumstances of the case admit, avoid impeding the safe passage of a vessel constrained by her draught, exhibiting the signals in Rule 28.
- (ii) A vessel constrained by her draught shall navigate with particular caution having full regard to her special condition.
- (e) A seaplane on the water shall, in general, keep well clear of all vessels and avoid impeding their navigation. In circumstances, however, where risk of collision exists, she shall comply with the Rules of this Part.

## ANNEXE A—continued

## SECTION III—CONDUCT OF VESSELS IN RESTRICTED VISIBILITY

## Rule 19

*Conduct of Vessels in Restricted Visibility*

- (a) This Rule applies to vessels not in sight of one another when navigating in or near an area of restricted visibility.
- (b) Every vessel shall proceed at a safe speed adapted to the prevailing circumstances and conditions of restricted visibility. A power-driven vessel shall have her engines ready for immediate manoeuvre.
- (c) Every vessel shall have due regard to the prevailing circumstances and conditions of restricted visibility when complying with the Rules of Section I of this Part.
- (d) A vessel which detects by radar alone the presence of another vessel shall determine if a close-quarters situation is developing and/or risk of collision exists. If so, she shall take avoiding action in ample time, provided that when such action consists of an alteration of course, so far as possible the following shall be avoided:
- an alteration of course to port for a vessel forward of the beam, other than for a vessel being overtaken;
  - an alteration of course towards a vessel abeam or abaft the beam.
- (e) Except where it has been determined that a risk of collision does not exist, every vessel which hears apparently forward of her beam the fog signal of another vessel, or which cannot avoid a close-quarters situation with another vessel forward of her beam, shall reduce her speed to the minimum at which she can be kept on her course. She shall if necessary take all her way off and in any event navigate with extreme caution until danger of collision is over.

## PART C—LIGHTS AND SHAPES

## Rule 20

*Application*

- (a) Rules in this Part shall be complied with in all weathers.
- (b) The Rules concerning lights shall be complied with from sunset to sunrise, and during such times no other lights shall be exhibited, except such lights as cannot be mistaken for the lights specified in these Rules or do not impair their visibility or distinctive character, or interfere with the keeping of a proper look-out.
- (c) The lights prescribed by these Rules shall, if carried, also be exhibited from sunrise to sunset in restricted visibility and may be exhibited in all other circumstances when it is deemed necessary.
- (d) The Rules concerning shapes shall be complied with by day.
- (c) The lights and shapes specified in these Rules shall comply with the provisions of Annex I to these Regulations.

## Rule 21

*Definitions*

- (a) "Masthead light" means a white light placed over the fore and aft centreline of the vessel showing an unbroken light over an arc of the horizon of 22.5 degrees and so fixed as to show the light from right ahead to 22.5 degrees abaft the beam on either side of the vessel.

## ANNEXE A—continued

- (b) "Sidelights" means a green light on the starboard side and a red light on the port side each showing an unbroken light over an arc of the horizon of 112.5 degrees and so fixed as to show the light from right ahead to 22.5 degrees abaft the beam on its respective side. In a vessel of less than 20 metres in length the sidelights may be combined in one lantern carried on the fore and aft centreline of the vessel.
- (c) "Sternlight" means a white light placed as nearly as practicable at the stern showing an unbroken light over an arc of the horizon of 135 degrees and so fixed as to show the light 67.5 degrees from right aft on each side of the vessel.
- (d) "Towing light" means a yellow light having the same characteristics as the "sternlight" defined in paragraph (c) of this Rule.
- (e) "All-round light" means a light showing an unbroken light over an arc of the horizon of 360 degrees.
- (f) "Flashing light" means a light flashing at regular intervals at a frequency of 120 flashes or more per minute.

## Rule 22

*Visibility of Lights*

The lights prescribed in these Rules shall have an intensity as specified in Section 8 of Annex I to these Regulations so as to be visible at the following minimum ranges:

- (a) In vessels of 50 metres or more in length:
- a masthead light, 6 miles;
  - a sidelight, 3 miles;
  - a sternlight, 3 miles;
  - a towing light, 3 miles;
  - a white, red, green or yellow all-round light, 3 miles.
- (b) In vessels of 12 metres or more in length but less than 50 metres in length:
- a masthead light, 5 miles; except that where the length of the vessel is less than 20 metres, 3 miles;
  - a sidelight, 2 miles;
  - a sternlight, 2 miles;
  - a towing light, 2 miles;
  - a white, red, green or yellow all-round light, 2 miles.
- (c) In vessels of less than 12 metres in length:
- a masthead light, 2 miles;
  - a sidelight, 1 mile;
  - a sternlight, 2 miles;
  - a towing light, 2 miles;
  - a white, red, green or yellow all-round light, 2 miles.

## ANNEXE A—continued

**Rule 23***Power-driven Vessels Underway*

- (a) A power-driven vessel underway shall exhibit:
- (i) a masthead light forward;
  - (ii) a second masthead light abaft of and higher than the forward one; except that a vessel of less than 50 metres in length shall not be obliged to exhibit such light but may do so;
  - (iii) sidelights;
  - (iv) a sternlight.
- (b) An air-cushion vessel when operating in the non-displacement mode shall, in addition to the lights prescribed in paragraph (a) of this Rule, exhibit an all-round flashing yellow light.
- (c) A power-driven vessel of less than 7 metres in length and whose maximum speed does not exceed 7 knots may, in lieu of the lights prescribed in paragraph (a) of this Rule, exhibit an all-round white light. Such vessel shall, if practicable, also exhibit sidelights.

**Rule 24***Towing and Pushing*

- (a) A power-driven vessel when towing shall exhibit:
- (i) instead of the light prescribed in Rule 23 (a)(i), two masthead lights forward in a vertical line. When the length of the tow, measuring from the stern of the towing vessel to the after end of the tow exceeds 200 metres, three such lights in a vertical line;
  - (ii) sidelights;
  - (iii) a sternlight;
  - (iv) a towing light in a vertical line above the sternlight;
  - (v) when the length of the tow exceeds 200 metres, a diamond shape where it can best be seen.
- (b) When a pushing vessel and a vessel being pushed ahead are rigidly connected in a composite unit they shall be regarded as a power-driven vessel and exhibit the lights prescribed in Rule 23.
- (c) A power-driven vessel when pushing ahead or towing alongside, except in the case of a composite unit, shall exhibit:
- (i) instead of the light prescribed in Rule 23 (a)(i), two masthead lights forward in a vertical line;
  - (ii) sidelights;
  - (iii) a sternlight.
- (d) A power-driven vessel to which paragraphs (a) and (c) of this Rule apply shall also comply with Rule 23 (a)(ii).
- (e) A vessel or object being towed shall exhibit:
- (i) sidelights;
  - (ii) a sternlight;
  - (iii) when the length of the tow exceeds 200 metres, a diamond shape where it can best be seen.

## ANNEXE A—continued

- (f) Provided that any number of vessels being towed or pushed in a group shall be lighted as one vessel,
- (i) a vessel being pushed ahead, not being part of a composite unit, shall exhibit at the forward end, sidelights;
  - (ii) a vessel being towed alongside shall exhibit a sternlight and at the forward end, sidelights.
- (g) Where from any sufficient cause it is impracticable for a vessel or object being towed to exhibit the lights prescribed in paragraph (e) of this Rule, all possible measures shall be taken to light the vessel or object towed or at least to indicate the presence of the unlighted vessel or object.

**Rule 25***Sailing Vessels Underway and Vessels under Oars*

- (a) A sailing vessel underway shall exhibit:
- (i) sidelights;
  - (ii) a sternlight.
- (b) In a sailing vessel of less than 12 metres in length the lights prescribed in paragraph (a) of this Rule may be combined in one lantern carried at or near the top of the mast where it can best be seen.
- (c) A sailing vessel underway may, in addition to the lights prescribed in paragraph (a) of this Rule, exhibit at or near the top of the mast, where they can best be seen, two all-round lights in a vertical line, the upper being red and the lower green, but these lights shall not be exhibited in conjunction with the combined lantern permitted by paragraph (b) of this Rule.
- (d) (i) A sailing vessel of less than 7 metres in length shall, if practicable, exhibit the lights prescribed in paragraph (a) or (b) of this Rule, but if she does not, she shall have ready at hand an electric torch or lighted lantern showing a white light which shall be exhibited in sufficient time to prevent collision.
- (ii) A vessel under oars may exhibit the lights prescribed in this Rule for sailing vessels, but if she does not; she shall have ready at hand an electric torch or lighted lantern showing a white light which shall be exhibited in sufficient time to prevent collision.
- (e) A vessel proceeding under sail when also being propelled by machinery shall exhibit forward where it can best be seen a conical shape, apex downwards.

**Rule 26***Fishing Vessels*

- (a) A vessel engaged in fishing, whether underway or at anchor, shall exhibit only the lights and shapes prescribed in this Rule.
- (b) A vessel when engaged in trawling, by which is meant the dragging through the water of a dredge net or other apparatus used as a fishing appliance, shall exhibit:
- (i) two all-round lights in a vertical line, the upper being green and the lower white, or a shape consisting of two cones with their apexes together in a vertical line one above the other; a vessel of less than 20 metres in length may instead of this shape exhibit a basket;

## ANNEXE A—continued

- (ii) a masthead light abaft of and higher than the all-round green light; a vessel of less than 50 metres in length shall not be obliged to exhibit such a light but may do so;
  - (iii) when making way through the water, in addition to the lights prescribed in this paragraph, sidelights and a sternlight.
- (c) A vessel engaged in fishing, other than trawling, shall exhibit:
- (i) two all-round lights in a vertical line, the upper being red and the lower white, or a shape consisting of two cones with apexes together in a vertical line one above the other; a vessel of less than 20 metres in length may instead of this shape exhibit a basket;
  - (ii) when there is outlying gear extending more than 150 metres horizontally from the vessel, an all-round white light or a cone apex upwards in the direction of the gear;
  - (iii) when making way through the water, in addition to the lights prescribed in this paragraph, sidelights and a sternlight.
- (d) A vessel engaged in fishing in close proximity to other vessels may exhibit the additional signals described in Annex II to these Regulations.
- (e) A vessel when not engaged in fishing shall not exhibit the lights or shapes prescribed in this Rule, but only those prescribed for a vessel of her length.

**Rule 27***Vessels not under Command or Restricted in their Ability to Manoeuvre*

- (a) A vessel not under command shall exhibit:
- (i) two all-round red lights in a vertical line where they can best be seen;
  - (ii) two balls or similar shapes in a vertical line where they can best be seen;
  - (iii) when making way through the water, in addition to the lights prescribed in this paragraph, sidelights and a sternlight.
- (b) A vessel restricted in her ability to manoeuvre, except a vessel engaged in minesweeping operations, shall exhibit:
- (i) three all-round lights in a vertical line where they can best be seen. The highest and lowest of these lights shall be red and the middle light shall be white;
  - (ii) three shapes in a vertical line where they can best be seen. The highest and lowest of these shapes shall be balls and the middle one a diamond;
  - (iii) when making way through the water, masthead lights, sidelights and a sternlight, in addition to the lights prescribed in sub-paragraph (i);
  - (iv) when at anchor, in addition to the lights or shapes prescribed in sub-paragraphs (i) and (ii), the light, lights or shape prescribed in Rule 30.
- (c) A vessel engaged in a towing operation such as renders her unable to deviate from her course shall, in addition to the lights or shapes prescribed in sub-paragraphs (b) (i) and (ii) of this Rule, exhibit the lights or shape prescribed in Rule 24 (a).

## ANNEXE A—continued

- (d) A vessel engaged in dredging or underwater operations, when restricted in her ability to manoeuvre, shall exhibit the lights and shapes prescribed in paragraph (b) of this Rule and shall in addition, when an obstruction exists, exhibit:
- (i) two all-round red lights or two balls in a vertical line to indicate the side on which the obstruction exists;
  - (ii) two all-round green lights or two diamonds in a vertical line to indicate the side on which another vessel may pass;
  - (iii) when making way through the water, in addition to the lights prescribed in this paragraph, masthead lights, sidelights and a sternlight;
  - (iv) a vessel to which this paragraph applies when at anchor shall exhibit the lights or shapes prescribed in sub-paragraphs (i) and (ii) instead of the lights or shape prescribed in Rule 30.
- (e) Whenever the size of a vessel engaged in diving operations makes it impracticable to exhibit the shapes prescribed in paragraph (d) of this Rule, a rigid replica of the International Code flag "A" not less than 1 metre in height shall be exhibited. Measures shall be taken to ensure all-round visibility.
- (f) A vessel engaged in minesweeping operations shall, in addition to the lights prescribed for a power-driven vessel in Rule 23, exhibit three all-round green lights or three balls. One of these lights or shapes shall be exhibited at or near the foremast head and one at each end of the fore yard. These lights or shapes indicate that it is dangerous for another vessel to approach closer than 1,000 metres astern or 500 metres on either side of the minesweeper.
- (g) Vessels of less than 7 metres in length shall not be required to exhibit the lights prescribed in this Rule.
- (h) The signals prescribed in this Rule are not signals of vessels in distress and requiring assistance. Such signals are contained in Annex IV to these Regulations.

**Rule 28***Vessels Constrained by their Draught*

A vessel constrained by her draught may, in addition to the lights prescribed for power-driven vessels in Rule 23, exhibit where they can best be seen three all-round red lights in a vertical line, or a cylinder.

**Rule 29***Pilot Vessels*

- (a) A vessel engaged on pilotage duty shall exhibit:
- (i) at or near the masthead, two all-round lights in a vertical line, the upper being white and the lower red;
  - (ii) when underway, in addition, sidelights and a sternlight;
  - (iii) when at anchor, in addition to the lights prescribed in sub-paragraph (i), the anchor light, lights or shape.
- (b) A pilot vessel when not engaged on pilotage duty shall exhibit the lights or shapes prescribed for a similar vessel of her length.



## ANNEXE A—continued

**Rule 30***Anchored Vessels and Vessels Aground*

- (a) A vessel at anchor shall exhibit where it can best be seen:
- (i) in the fore part, an all-round white light or one ball;
  - (ii) at or near the stern and at a lower level than the light prescribed in subparagraph (i), an all-round white light.
- (b) A vessel of less than 50 metres in length may exhibit an all-round white light where it can best be seen instead of the lights prescribed in paragraph (a) of this Rule.
- (c) A vessel at anchor may, and a vessel of 100 metres and more in length shall, also use the available working or equivalent lights to illuminate her decks.
- (d) A vessel aground shall exhibit the lights prescribed in paragraph (a) or (b) of this Rule and in addition, where they can best be seen:
- (i) two all-round red lights in a vertical line;
  - (ii) three balls in a vertical line.
- (e) A vessel of less than 7 metres in length, when at anchor or aground, not in or near a narrow channel, fairway or anchorage, or where other vessels normally navigate, shall not be required to exhibit the lights or shapes prescribed in paragraphs (a), (b) or (d) of this Rule.

**Rule 31***Seaplanes*

Where it is impracticable for a seaplane to exhibit lights and shapes of the characteristics or in the positions prescribed in the Rules of this Part she shall exhibit lights and shapes as closely similar in characteristics and position as is possible.

## PART D—SOUND AND LIGHT SIGNALS

**Rule 32***Definitions*

- (a) The word "whistle" means any sound signalling appliance capable of producing the prescribed blasts and which complies with the specifications in Annex III to these Regulations.
- (b) The term "short blast" means a blast of about one second's duration.
- (c) The term "prolonged blast" means a blast of from four to six seconds' duration.

**Rule 33***Equipment for Sound Signals*

- (a) A vessel of 12 metres or more in length shall be provided with a whistle and a bell and a vessel of 100 metres or more in length shall, in addition, be provided with a gong, the tone and sound of which cannot be confused with that of the bell. The whistle, bell and gong shall comply with the specifications in Annex III to these Regulations. The bell or gong or both may be replaced by other equipment having the same respective sound characteristics, provided that manual sounding of the required signals shall always be possible.
- (b) A vessel of less than 12 metres in length shall not be obliged to carry the sound signalling appliances prescribed in paragraph (a) of this Rule but if she does not, she shall be provided with some other means of making an efficient sound signal.

## ANNEXE A—continued

**Rule 34***Manoeuvring and Warning Signals*

- (a) When vessels are in sight of one another, a power-driven vessel underway, when manoeuvring as authorized or required by these Rules, shall indicate that manoeuvre by the following signals on her whistle:
- one short blast to mean "I am altering my course to starboard";
  - two short blasts to mean "I am altering my course to port";
  - three short blasts to mean "I am operating astern propulsion".
- (b) Any vessel may supplement the whistle signals prescribed in paragraph (a) of this Rule by light signals, repeated as appropriate, whilst the manoeuvre is being carried out:
- (i) these light signals shall have the following significance:
    - one flash to mean "I am altering my course to starboard";
    - two flashes to mean "I am altering my course to port";
    - three flashes to mean "I am operating astern propulsion";
  - (ii) the duration of each flash shall be about one second, the interval between flashes shall be about one second, and the interval between successive signals shall be not less than ten seconds;
  - (iii) the light used for this signal shall, if fitted, be an all-round white light, visible at a minimum range of 5 miles, and shall comply with the provisions of Annex I.
- (c) When in sight of one another in a narrow channel or fairway:
- (i) a vessel intending to overtake another shall in compliance with Rule 9 (e) (i) indicate her intention by the following signals on her whistle:
    - two prolonged blasts followed by one short blast to mean "I intend to overtake you on your starboard side";
    - two prolonged blasts followed by two short blasts to mean "I intend to overtake you on your port side";
  - (ii) the vessel about to be overtaken when acting in accordance with Rule 9 (e) (i) shall indicate her agreement by the following signal on her whistle:
    - one prolonged, one short, one prolonged and one short blast, in that order.
- (d) When vessels in sight of one another are approaching each other and from any cause either vessel fails to understand the intentions or actions of the other, or is in doubt whether sufficient action is being taken by the other to avoid collision, the vessel in doubt shall immediately indicate such doubt by giving at least five short and rapid blasts on the whistle. Such signal may be supplemented by a light signal of at least five short and rapid flashes.
- (e) A vessel nearing a bend or an area of a channel or fairway where other vessels may be obscured by an intervening obstruction shall sound one prolonged blast. Such signal shall be answered with a prolonged blast by any approaching vessel that may be within hearing around the bend or behind the intervening obstruction.
- (f) If whistles are fitted on a vessel at a distance apart of more than 100 metres, one whistle only shall be used for giving manoeuvring and warning signals.

## ANNEXE A—continued

**Rule 35***Sound Signals in Restricted Visibility*

In or near an area of restricted visibility, whether by day or night, the signals prescribed in this Rule shall be used as follows:

- (a) A power-driven vessel making way through the water shall sound at intervals of not more than 2 minutes one prolonged blast.
- (b) A power-driven vessel underway but stopped and making no way through the water shall sound at intervals of not more than 2 minutes two prolonged blasts in succession with an interval of about 2 seconds between them.
- (c) A vessel not under command, a vessel restricted in her ability to manoeuvre, a vessel constrained by her draught, a sailing vessel, a vessel engaged in fishing and a vessel engaged in towing or pushing another vessel shall, instead of the signals prescribed in paragraphs (a) or (b) of this Rule, sound at intervals of not more than 2 minutes three blasts in succession, namely one prolonged followed by two short blasts.
- (d) A vessel towed or if more than one vessel is towed the last vessel of the tow, if manned, shall at intervals of not more than 2 minutes sound four blasts in succession, namely one prolonged followed by three short blasts. When practicable, this signal shall be made immediately after the signal made by the towing vessel.
- (e) When a pushing vessel and a vessel being pushed ahead are rigidly connected in a composite unit they shall be regarded as a power-driven vessel and shall give the signals prescribed in paragraphs (a) or (b) of this Rule.
- (f) A vessel at anchor shall at intervals of not more than one minute ring the bell rapidly for about 5 seconds. In a vessel of 100 metres or more in length the bell shall be sounded in the forepart of the vessel and immediately after the ringing of the bell the gong shall be sounded rapidly for about 5 seconds in the after part of the vessel. A vessel at anchor may in addition sound three blasts in succession, namely one short, one prolonged and one short blast, to give warning of her position and of the possibility of collision to an approaching vessel.
- (g) A vessel aground shall give the bell signal and if required the gong signal prescribed in paragraph (f) of this Rule and shall, in addition, give three separate and distinct strokes on the bell immediately before and after the rapid ringing of the bell. A vessel aground may in addition sound an appropriate whistle signal.
- (h) A vessel of less than 12 metres in length shall not be obliged to give the above-mentioned signals but, if she does not, shall make some other efficient sound signal at intervals of not more than 2 minutes.
- (i) A pilot vessel when engaged on pilotage duty may in addition to the signals prescribed in paragraphs (a), (b) or (f) of this Rule sound an identity signal consisting of four short blasts.

**Rule 36***Signals to Attract Attention*

If necessary to attract the attention of another vessel any vessel may make light or sound signals that cannot be mistaken for any signal authorized elsewhere in these Rules, or may direct the beam of her searchlight in the direction of the danger, in such a way as not to embarrass any vessel.

## ANNEXE A—continued

**Rule 37***Distress Signals*

When a vessel is in distress and requires assistance she shall use or exhibit the signals prescribed in Annex IV to these Regulations.

## PART E—EXEMPTIONS

**Rule 38***Exemptions*

Any vessel (or class of vessels) provided that she complies with the requirements of the International Regulations for Preventing Collisions at Sea, 1960, the keel of which is laid or which is at a corresponding stage of construction before the entry into force of these Regulations may be exempted from compliance therewith as follows:

- (a) The installation of lights with ranges prescribed in Rule 22, until four years after the date of entry into force of these Regulations.
- (b) The installation of lights with colour specifications as prescribed in Section 7 of Annex I to these Regulations, until four years after the date of entry into force of these Regulations.
- (c) The repositioning of lights as a result of conversion from Imperial to metric units and rounding off measurement figures, permanent exemption.
- (d) (i) The repositioning of masthead lights on vessels of less than 150 metres in length, resulting from the prescriptions of Section 3 (a) of Annex I, permanent exemption.  
(ii) The repositioning of masthead lights on vessels of 150 metres or more in length, resulting from the prescriptions of Section 3 (a) of Annex I to these Regulations, until nine years after the date of entry into force of these Regulations.
- (e) The repositioning of masthead lights resulting from the prescriptions of Section 2 (b) of Annex I, until nine years after the date of entry into force of these Regulations.
- (f) The repositioning of sidelights resulting from the prescriptions of Section 3 (b) of Annex I, until nine years after the date of entry into force of these Regulations.
- (g) The requirements for sound signal appliances prescribed in Annex III, until nine years after the date of entry into force of these Regulations.

## ANNEX I

## POSITIONING AND TECHNICAL DETAILS OF LIGHTS AND SHAPES

## 1. Definition

The term "height above the hull" means height above the uppermost continuous deck.

## ANNEXE A—continued

## 2. Vertical positioning and spacing of lights

- (a) On a power-driven vessel of 20 metres or more in length the masthead lights shall be placed as follows:
- (i) the forward masthead light, or if only one masthead light is carried, then that light, at a height above the hull of not less than 6 metres, and, if the breadth of the vessel exceeds 6 metres, then at a height above the hull not less than such breadth, so however that the light need not be placed at a greater height above the hull than 12 metres;
  - (ii) when two masthead lights are carried the after one shall be at least 4.5 metres vertically higher than the forward one.
- (b) The vertical separation of masthead lights of power-driven vessels shall be such that in all normal conditions of trim the after light will be seen over and separate from the forward light at a distance of 1000 metres from the stem when viewed from sea level.
- (c) The masthead light of a power-driven vessel of 12 metres but less than 20 metres in length shall be placed at a height above the gunwale of not less than 2.5 metres.
- (d) A power-driven vessel of less than 12 metres in length may carry the uppermost light at a height of less than 2.5 metres above the gunwale. When however a masthead light is carried in addition to sidelights and a sternlight, then such masthead light shall be carried at least 1 metre higher than the sidelights.
- (e) One of the two or three masthead lights prescribed for a power-driven vessel when engaged in towing or pushing another vessel shall be placed in the same position as the forward masthead light of a power-driven vessel.
- (f) In all circumstances the masthead light or lights shall be so placed as to be above and clear of all other lights and obstructions.
- (g) The sidelights of a power-driven vessel shall be placed at a height above the hull not greater than three quarters of that of the forward masthead light. They shall not be so low as to be interfered with by deck lights.
- (h) The sidelights, if in a combined lantern and carried on a power-driven vessel of less than 20 metres in length, shall be placed not less than 1 metre below the masthead light.
- (i) When the Rules prescribe two or three lights to be carried in a vertical line, they shall be spaced as follows:
- (i) on a vessel of 20 metres in length or more such lights shall be spaced not less than 2 metres apart, and the lowest of these lights shall, except where a towing light is required, not be less than 4 metres above the hull;
  - (ii) on a vessel of less than 20 metres in length such lights shall be spaced not less than 1 metre apart and the lowest of these lights shall, except where a towing light is required, not be less than 2 metres above the gunwale;
  - (iii) when three lights are carried they shall be equally spaced.

## ANNEXE A—continued

- (j) The lower of the two all-round lights prescribed for a fishing vessel when engaged in fishing shall be at a height above the sidelights not less than twice the distance between the two vertical lights.
  - (k) The forward anchor light, when two are carried, shall not be less than 4.5 metres above the after one. On a vessel of 50 metres or more in length this forward anchor light shall not be less than 6 metres above the hull.
3. Horizontal positioning and spacing of lights
- (a) When two masthead lights are prescribed for a power-driven vessel, the horizontal distance between them shall not be less than one half of the length of the vessel but need not be more than 100 metres. The forward light shall be placed not more than one quarter of the length of the vessel from the stem.
  - (b) On a vessel of 20 metres or more in length the sidelights shall not be placed in front of the forward masthead lights. They shall be placed at or near the side of the vessel.
4. Details of location of direction-indicating lights for fishing vessels, dredgers and vessels engaged in underwater operations
- (a) The light indicating the direction of the outlying gear from a vessel engaged in fishing as prescribed in Rule 26 (c)(ii) shall be placed at a horizontal distance of not less than 2 metres and not more than 6 metres away from the two all-round red and white lights. This light shall be placed not higher than the all-round white light prescribed in Rule 26 (c)(i) and not lower than the sidelights.
  - (b) The lights and shapes on a vessel engaged in dredging or underwater operations to indicate the obstructed side and/or the side on which it is safe to pass, as prescribed in Rule 27 (d)(i) and (ii), shall be placed at the maximum practical horizontal distance, but in no case less than 2 metres, from the lights or shapes prescribed in Rule 27 (b)(i) and (ii). In no case shall the upper of these lights or shapes be at a greater height than the lower of the three lights or shapes prescribed in Rule 27 (b)(i) and (ii).
5. Screens for sidelights
- The sidelights shall be fitted with inboard screens painted matt black, and meeting the requirements of Section 9 of this Annex. With a combined lantern, using a single vertical filament and a very narrow division between the green and red sections, external screens need not be fitted.
6. Shapes
- (a) Shapes shall be black and of the following sizes:
    - (i) a ball shall have a diameter of not less than 0.6 metre;
    - (ii) a cone shall have a base diameter of not less than 0.6 metre and a height equal to its diameter;
    - (iii) a cylinder shall have a diameter of at least 0.6 metre and a height of twice its diameter;
    - (iv) a diamond shape shall consist of two cones as defined in (ii) above having a common base.
  - (b) The vertical distance between shapes shall be at least 1.5 metres.
  - (c) In a vessel of less than 20 metres in length shapes of lesser dimensions but commensurate with the size of the vessel may be used and the distance apart may be correspondingly reduced.

## ANNEXE A—continued

## 7. Colour specification of lights

The chromaticity of all navigation lights shall conform to the following standards, which lie within the boundaries of the area of the diagram specified for each colour by the International Commission on Illumination (CIE).

The boundaries of the area for each colour are given by indicating the corner co-ordinates, which are as follows:

(i) *White*

x	0.525	0.525	0.452	0.310	0.310	0.443
y	0.382	0.440	0.440	0.348	0.283	0.382

(ii) *Green*

x	0.028	0.009	0.300	0.203
y	0.385	0.723	0.511	0.356

(iii) *Red*

x	0.680	0.660	0.735	0.721
y	0.320	0.320	0.265	0.259

(iv) *Yellow*

x	0.612	0.618	0.575	0.575
y	0.382	0.382	0.425	0.406

## 8. Intensity of lights

(a) The minimum luminous intensity of lights shall be calculated by using the formula:

$$I = 3.43 \times 10^6 \times T \times D^2 \times K^{-D}$$

where I is luminous intensity in candelas under service conditions,  
T is threshold factor  $2 \times 10^{-7}$  lux,  
D is range of visibility (luminous range) of the light in nautical miles,  
K is atmospheric transmissivity.

For prescribed lights the value of K shall be 0.8, corresponding to a meteorological visibility of approximately 13 nautical miles.

(b) A selection of figures derived from the formula is given in the following table:

Range of visibility (luminous range) of light in nautical miles D	Luminous intensity of light in candelas for K = 0.8 I
1	0.9
2	4.3
3	12
4	27
5	52
6	94

NOTE: The maximum luminous intensity of navigation lights should be limited to avoid undue glare.

## ANNEXE A—continued

## 9. Horizontal sectors

- (a) (i) In the forward direction, sidelights as fitted on the vessel must show the minimum required intensities. The intensities must decrease to reach practical cut-off between 1 degree and 3 degrees outside the prescribed sectors.
- (ii) For sternlights and masthead lights and at 22.5 degrees abaft the beam for sidelights, the minimum required intensities shall be maintained over the arc of the horizon up to 5 degrees within the limits of the sectors prescribed in Rule 21. From 5 degrees within the prescribed sectors the intensity may decrease by 50 per cent up to the prescribed limits; it shall decrease steadily to reach practical cut-off at not more than 5 degrees outside the prescribed limits.
- (b) All-round lights shall be so located as not to be obscured by masts, top-masts or structures within angular sectors of more than 6 degrees, except anchor lights, which need not be placed at an impracticable height above the hull.

## 10. Vertical sectors

- (a) The vertical sectors of electric lights, with the exception of lights on sailing vessels shall ensure that:
- (i) at least the required minimum intensity is maintained at all angles from 5 degrees above to 5 degrees below the horizontal;
- (ii) at least 60 per cent of the required minimum intensity is maintained from 7.5 degrees above to 7.5 degrees below the horizontal.
- (b) In the case of sailing vessels the vertical sectors of electric lights shall ensure that:
- (i) at least the required minimum intensity is maintained at all angles from 5 degrees above to 5 degrees below the horizontal;
- (ii) at least 50 per cent of the required minimum intensity is maintained from 25 degrees above to 25 degrees below the horizontal.
- (c) In the case of lights other than electric these specifications shall be met as closely as possible.

## 11. Intensity of non-electric lights

Non-electric lights shall so far as practicable comply with the minimum intensities, as specified in the Table given in Section 8 of this Annex.

## 12. Manoeuvring light

Notwithstanding the provisions of paragraph 2 (f) of this Annex the manoeuvring light described in Rule 34 (b) shall be placed in the same fore and aft vertical plane as the masthead light or lights and, where practicable, at a minimum height of 2 metres vertically above the forward masthead light, provided that it shall be carried not less than 2 metres vertically above or below the after masthead light. On a vessel where only one masthead light is carried the manoeuvring light, if fitted, shall be carried where it can best be seen, not less than 2 metres vertically apart from the masthead light.

## 13. Approval

The construction of lanterns and shapes and the installation of lanterns on board the vessel shall be to the satisfaction of the appropriate authority of the State where the vessel is registered.

## ANNEXE A—continued

## ANNEX II

## ADDITIONAL SIGNALS FOR FISHING VESSELS FISHING IN CLOSE PROXIMITY

## 1. General

The lights mentioned herein shall, if exhibited in pursuance of Rule 26 (d), be placed where they can best be seen. They shall be at least 0.9 metre apart but at a lower level than lights prescribed in Rule 26 (b)(i) and (c)(i). The lights shall be visible all round the horizon at a distance of at least 1 mile but at a lesser distance than the lights prescribed by these Rules for fishing vessels.

## 2. Signals for trawlers

(a) Vessels when engaging in trawling, whether using demersal or pelagic gear, may exhibit:

- (i) when shooting their nets:  
two white lights in a vertical line;
- (ii) when hauling their nets:  
one white light over one red light in a vertical line;
- (iii) when the net has come fast upon an obstruction:  
two red lights in a vertical line.

(b) Each vessel engaged in pair trawling may exhibit:

- (i) by night, a searchlight directed forward and in the direction of the other vessel of the pair;
- (ii) when shooting or hauling their nets or when their nets have come fast upon an obstruction, the lights prescribed in 2 (a) above.

## 3. Signals for purse seiners

Vessels engaged in fishing with purse seine gear may exhibit two yellow lights in a vertical line. These lights shall flash alternately every second and with equal light and occultation duration. These lights may be exhibited only when the vessel is hampered by its fishing gear.

## ANNEX III

## TECHNICAL DETAILS OF SOUND SIGNAL APPLIANCES

## 1. Whistles

## (a) Frequencies and range of audibility

The fundamental frequency of the signal shall lie within the range 70-700 Hz. The range of audibility of the signal from a whistle shall be determined by those frequencies, which may include the fundamental and/or one or more higher frequencies, which lie within the range 180-700 Hz ( $\pm 1$  per cent) and which provide the sound pressure levels specified in paragraph 1 (c) below.

## (b) Limits of fundamental frequencies

To ensure a wide variety of whistle characteristics, the fundamental frequency of a whistle shall be between the following limits:

- (i) 70-200 Hz, for a vessel 200 metres or more in length;
- (ii) 130-350 Hz, for a vessel 75 metres but less than 200 metres in length;
- (iii) 250-700 Hz, for a vessel less than 75 metres in length.

## ANNEXE A—continued

## (c) Sound signal intensity and range of audibility

A whistle fitted in a vessel shall provide, in the direction of maximum intensity of the whistle and at a distance of 1 metre from it, a sound pressure level in at least one 1/3-octave band within the range of frequencies 180-700 Hz ( $\pm 1$  per cent) of not less than the appropriate figure given in the table below.

Length of vessel in metres	1/3rd-octave band level at 1 metre in dB referred to $2 \times 10^{-5} \text{ N/m}^2$	Audibility range in nautical miles
200 or more	143	2
75 but less than 200	138	1.5
20 but less than 75	130	1
Less than 20	120	0.5

The range of audibility in the table above is for information and is approximately the range at which a whistle may be heard on its forward axis with 90 per cent probability in conditions of still air on board a vessel having average background noise level at the listening posts (taken to be 68 dB in the octave band centred on 250 Hz and 63 dB in the octave band centred on 500 Hz).

In practice the range at which a whistle may be heard is extremely variable and depends critically on weather conditions; the values given can be regarded as typical but under conditions of strong wind or high ambient noise level at the listening post the range may be much reduced.

## (d) Directional properties

The sound pressure level of a directional whistle shall be not more than 4 dB below the sound pressure level on the axis at any direction in the horizontal plane within  $\pm 45$  degrees of the axis. The sound pressure level at any other direction in the horizontal plane shall be not more than 10 dB below the sound pressure level on the axis, so that the range in any direction will be at least half the range on the forward axis. The sound pressure level shall be measured in that 1/3rd-octave band which determines the audibility range.

## (e) Positioning of whistles

When a directional whistle is to be used as the only whistle on a vessel, it shall be installed with its maximum intensity directed straight ahead.

A whistle shall be placed as high as practicable on a vessel, in order to reduce interception of the emitted sound by obstructions and also to minimize hearing damage risk to personnel. The sound pressure level of the vessel's own signal at listening posts shall not exceed 110 dB (A) and so far as practicable should not exceed 100 dB (A).

## (f) Fitting of more than one whistle

If whistles are fitted at a distance apart of more than 100 metres, it shall be so arranged that they are not sounded simultaneously.

## ANNEXE A—continued

(g) *Combined whistle systems*

If due to the presence of obstructions the sound field of a single whistle or of one of the whistles referred to in paragraph 1 (f) above is likely to have a zone of greatly reduced signal level, it is recommended that a combined whistle system be fitted so as to overcome this reduction. For the purposes of the Rules a combined whistle system is to be regarded as a single whistle. The whistles of a combined system shall be located at a distance apart of not more than 100 metres and arranged to be sounded simultaneously. The frequency of any one whistle shall differ from those of the others by at least 10 Hz.

2. **Bell or gong**(a) *Intensity of signal*

A bell or gong, or other device having similar sound characteristics shall produce a sound pressure level of not less than 110 dB at 1 metre.

(b) *Construction*

Bells and gongs shall be made of corrosion-resistant material and designed to give a clear tone. The diameter of the mouth of the bell shall be not less than 300 mm for vessels of more than 20 metres in length, and shall be not less than 200 mm for vessels of 12 to 20 metres in length. Where practicable, a power-driven bell striker is recommended to ensure constant force but manual operation shall be possible. The mass of the striker shall be not less than 3 per cent of the mass of the bell.

3. **Approval**

The construction of sound signal appliances, their performance and their installation on board the vessel shall be to the satisfaction of the appropriate authority of the State where the vessel is registered.

## ANNEX IV

## DISTRESS SIGNALS

1. The following signals, used or exhibited either together or separately, indicate distress and need of assistance:

- (a) a gun or other explosive signal fired at intervals of about a minute;
- (b) a continuous sounding with any fog-signalling apparatus;
- (c) rockets or shells, throwing red stars fired one at a time at short intervals;
- (d) a signal made by radiotelegraphy or by any other signalling method consisting of the group ... --- ... (SOS) in the Morse Code;
- (e) a signal sent by radiotelephony consisting of the spoken word "Mayday";
- (f) the International Code Signal of distress indicated by N.C.;
- (g) a signal consisting of a square flag having above or below it a ball or anything resembling a ball;
- (h) flames on the vessel (as from a burning tar barrel, oil barrel, etc.);
- (i) a rocket parachute flare or a hand flare showing a red light;
- (j) a smoke signal giving off orange-coloured smoke;

## ANNEXE A—continued

- (k) slowly and repeatedly raising and lowering arms outstretched to each side;
- (l) the radiotelegraph alarm signal;
- (m) the radiotelephone alarm signal;
- (n) signals transmitted by emergency position-indicating radio beacons.

2. The use or exhibition of any of the foregoing signals except for the purpose of indicating distress and need of assistance and the use of other signals which may be confused with any of the above signals is prohibited.

3. Attention is drawn to the relevant sections of the International Code of Signals, the Merchant Ship Search and Rescue Manual and the following signals:

- (a) a piece of orange-coloured canvas with either a black square and circle or other appropriate symbol (for identification from the air);
- (b) a dye marker.

(465/9/104)

ANNEX A - continued

(1) A signal consisting of a series of short dashes, each dash being of equal length and separated by a space equal to the length of the dash, and the series of dashes being separated by a space equal to the length of the dash.

(2) A signal consisting of a series of short dashes, each dash being of equal length and separated by a space equal to the length of the dash, and the series of dashes being separated by a space equal to the length of the dash.

(3) A signal consisting of a series of short dashes, each dash being of equal length and separated by a space equal to the length of the dash, and the series of dashes being separated by a space equal to the length of the dash.

(4) A signal consisting of a series of short dashes, each dash being of equal length and separated by a space equal to the length of the dash, and the series of dashes being separated by a space equal to the length of the dash.

(5) A signal consisting of a series of short dashes, each dash being of equal length and separated by a space equal to the length of the dash, and the series of dashes being separated by a space equal to the length of the dash.

(6) A signal consisting of a series of short dashes, each dash being of equal length and separated by a space equal to the length of the dash, and the series of dashes being separated by a space equal to the length of the dash.

(7) A signal consisting of a series of short dashes, each dash being of equal length and separated by a space equal to the length of the dash, and the series of dashes being separated by a space equal to the length of the dash.

1. Approval  
The construction of signal sound apparatus from instructions and their operation shall be in the possession of the appropriate authority of the State where the same is required.

ANNEX IV  
DISTRICT SIGNALS

1. The following signals used or exhibited under regulation or otherwise, within the District and part of adjacent:

- (a) a gun or other explosive used at intervals of about a minute;
- (b) a continuous sounding siren or corresponding apparatus;
- (c) a signal in plain language and not in a code or other form;
- (d) a signal made by telegraph or by any other signaling method operating at the same time as the above;
- (e) a signal used by telegraph or otherwise at the same time as the above;
- (f) the International Code Signal of Colors authorized by I.C.S.
- (g) a signal consisting of a siren or other sound at intervals of about a minute and a bell or other thing sounding a toll;
- (h) a siren or other sound for use in a building or other structure;
- (i) a signal consisting of a siren or other sound at intervals of about a minute and a bell or other thing sounding a toll;
- (j) a signal consisting of a siren or other sound at intervals of about a minute and a bell or other thing sounding a toll.







# AUSTRALIAN NAVY ORDER

Navy Office, Canberra,  
21 February 1975.

The enclosed order is promulgated for information, guidance and necessary action.

By direction of the Naval Board,

A handwritten signature in cursive script, appearing to read 'J. Green'.

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

Additional copies of Navy Orders may be readily obtained by:

- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 3461.

UNCLASSIFIED

59/75—Resettlement in Civil Life—Naval Resettlement Organisation

1. This order applies to Resettlement Orders in force on the date of issue.

Section 2—Personnel

Section 2(1)—Resettlement in Civil Life

Section 2(2)—Resettlement in Civil Life

Section 2(3)—Resettlement in Civil Life

SECTION 2—PERSONNEL

Section 2(1)—Resettlement in Civil Life

2. The purpose of this order is to provide for the resettlement of naval personnel in civilian life. The order applies to all naval personnel who are eligible for resettlement. The order is made under the authority of the Resettlement Act, 1975.

**CONTENTS**

*No* *Title*

**SECTION 2—PERSONNEL**

**59/75 Resettlement in Civil Life—Naval Resettlement Organisation.**

3. The purpose of this order is to provide for the resettlement of naval personnel in civilian life. The order applies to all naval personnel who are eligible for resettlement. The order is made under the authority of the Resettlement Act, 1975.

**SECTION 2—PERSONNEL**

4. The purpose of this order is to provide for the resettlement of naval personnel in civilian life. The order applies to all naval personnel who are eligible for resettlement. The order is made under the authority of the Resettlement Act, 1975.

**SECTION 2—PERSONNEL**

(1) members of the service who are eligible for resettlement in civilian life.

(2) members of the service who are eligible for resettlement in civilian life.

(3) members of the service who are eligible for resettlement in civilian life.

(4) members of the service who are eligible for resettlement in civilian life.

(5) members of the service who are eligible for resettlement in civilian life.

(6) members of the service who are eligible for resettlement in civilian life.

(7) members of the service who are eligible for resettlement in civilian life.

(8) members of the service who are eligible for resettlement in civilian life.

**Section 2****PERSONNEL****UNCLASSIFIED****59/75—Resettlement in Civil Life—Naval Resettlement Organisation**

1. This order outlines the Resettlement Scheme in four sections:

Section I—General

Section II—Pre-discharge Resettlement Training

Section III—Post-discharge Resettlement Training and Assistance

Section IV—Related Benefits

**Section I—General****Need for Resettlement Assistance**

2. Members of the RAN who leave the Navy may find difficulty in obtaining suitable employment owing to isolation from civilian pursuits or because of lack of skills and experience which are transferable to civilian occupations. The Resettlement Scheme is intended to assist such personnel.

**Resettlement Organisation**

3. The organisation is under the direction of the Director of Naval Education Service, who collaborates as necessary with the Director General of Naval Personal Services. Instructor Officers on the staffs of Flag Officers act as advisers on resettlement information. In each ship or establishment, an officer is to be nominated as Resettlement Officer. The initial duty of providing resettlement information rests with Divisional Officers, and the Resettlement Officer is the channel of communication between the Divisional Officer and sources of information. The Director of Naval Education Service is to be advised whenever there is a change of Resettlement Officer.

**Eligibility for Assistance**

4. The major aspects of the scheme are restricted to the undermentioned members, since they are likely to find the adjustment to civil life difficult and therefore require resettlement assistance. The benefits vary according to length of service; long-term service members being deemed to require and deserve assistance additional to that for short-term service members:

a. *Long-term service members.* For the purpose of the Resettlement Scheme, long-term service members are defined as:

- (1) members with a minimum of twenty years service; or
- (2) members being discharged compulsorily on attaining the age for retirement, or discharge or to meet the needs of the Service, all with a minimum of twelve years service; or
- (3) members being discharged compulsorily on medical grounds, irrespective of length of service, except for disabilities occasioned by disobedience or wilful neglect, or disabilities existing prior to enlistment, and which have not been aggravated by service.

*Note:* Service in respect of long-term service members is total service, not necessarily continuous, in any of the three Services of the Defence Force of Australia.

b. *Short-term service members.* For the purpose of the Resettlement Scheme, short-term service members are defined as members who are discharged after completing at least three years continuous, full-time service.

5. Unless discharged on medical grounds the following members are ineligible for resettlement benefits:

- a. RAN College entrants until the date of being commissioned; ie, the period of service at College shall not be taken into account as part of the normal three-year period of qualifying service unless the trainee is subsequently promoted to Sub-Lieutenant or higher rank.
- b. Officers commissioned under the Undergraduate Scheme, or who are Direct Entrants to the Royal Melbourne Institute of Technology Scheme until a return of three years effective service has been given. Such officers will not qualify until completion of three years effective full-time service following graduation.

6. It should be noted that no person discharged for disciplinary reasons is eligible for resettlement assistance. For the purposes of the Resettlement Scheme a person who has been discharged from the Defence Force or a part of the Defence Force shall be deemed to have been discharged for disciplinary reasons if:

- a. the discharge was in accordance with the sentence of the service tribunal; or
- b. the Naval Board, the Military Board or the Air Board or a person authorised by one of those Boards has stated that the discharge was on disciplinary grounds.

7. Only long-term service personnel, as defined in Paragraph 4 a, are eligible for pre-discharge resettlement training if such training is considered to be directed towards the effective resettlement of the member. This training is not a right and is only available if training is compatible with other Service requirements.

#### General Principles

8. Effective resettlement is determined in accordance with the following general principles:

- a. the member should be able to transfer from the Navy to a civilian occupation with the minimum break in continuity of employment;
- b. in the interests of both the community and the individual, the member should be employed in an occupation which will make the best use of his qualifications, skills and experience;
- c. the member should be established in employment the remuneration for which will provide him during the remainder of his working life, with an income not inferior to that he received in the Service;
- d. the employment obtained should offer reasonable security;
- e. resettlement measures should always take into account the wishes and needs of the individual.

However, approval of training under the National Employment and Training System (NEAT) detailed in Section III of this Navy Order, will have regard to:

- f. the requirements of the labour market;
- g. the applicants ability to complete the form of training sought;
- h. the training proposed being necessary or desirable to obtain suitable employment.

#### Outline of Resettlement Scheme

9. The Resettlement Scheme has the following provisions:

- a. pre-discharge preparation and advice, overseen by a Resettlement Co-ordinating Committee, and administered through Service channels;
- b. post-discharge training, administered by the Department of Labor and Immigration.

10. The Resettlement Co-ordinating Committee is chaired by the Department of Labor and Immigration and comprises members from the three Services. This Committee oversees pre-discharge resettlement training, resettlement seminars and other resettlement aspects of the Scheme, other than post-discharge training and assistance.

11. The Scheme provides for:

a. *All Members:*

- (1) a resettlement information and advice service on aspects of civil employment;
- (2) assistance whilst still serving through the Services Vocational and Educational Training Scheme. SVETS provides that on satisfactory completion of an approved course or course unit, a refund of 75 per cent of the cost of all compulsory fees may be claimed except that a member with fifteen or more years completed service at the time of enrolment for a course will be entitled to a 100 per cent refund. The relevant Navy Order on SVETS gives full details.
- (3) members requiring employment assistance to be interviewed before discharge and preliminary employment action to be initiated by the Commonwealth Employment Service (CES) on their behalf;
- (4) post-discharge training under NEAT without any special benefits.

b. *Long-term and Short-term Service Members:*

- (1) post-discharge vocational training under NEAT including special benefits (*see* Paragraph 44); and
- (2) re-establishment loans.

c. *Long-term Service Members only:*

- (1) attendance at a resettlement seminar of their choice within the last twelve months of service, at Departmental expense; and
- (2) where appropriate, during the last three months of service, a brief period of pre-discharge resettlement training to facilitate the transition from Service to civilian life.

#### Responsibilities for Resettlement

12. *Navy Office.* The Director of Naval Education Service (DNES) in consultation with the Director General of Naval Personal Services (DGPNS) is responsible for the administration of resettlement within the RAN, including appropriate liaison with the Department of Labor and Immigration.

13. *Ships and Establishments.* The Commanding Officer is to appoint an experienced mature officer to be the Resettlement Officer to advise members of their entitlements under the Resettlement Scheme and the methods of obtaining benefits and entitlements. Where an Instructor Officer is borne, he is normally to fill the appointment of Resettlement Officer.

### Operation of the Resettlement Scheme

14. The Department of Labor and Immigration will provide, on request, supplies of Department of Labor and Immigration forms:

- a. Form ES102 (Personal Particulars Form);
- b. Form TRG90 (Application for Pre-discharge Resettlement Training);
- c. NEAT Initial Inquiry Brochures.

These forms are for use as detailed below.

15. The appropriate Department of Labor and Immigration Regional Offices for resettlement liaison/correspondence are:

SYDNEY	.. ..	Australian Government Centre Chifley Square SYDNEY 2000
MELBOURNE	.. ..	Princes Gate 151 Flinders Street MELBOURNE 3000
BRISBANE	.. ..	Australia House 145 Eagle Street Box 1382 GPO BRISBANE 4001
ADELAIDE/DARWIN	.. ..	99 Currie Street Box 1435J GPO ADELAIDE 5001
PERTH	.. ..	2 St Georges Terrace Box R1273 GPO PERTH 6001
HOBART	.. ..	Matheson House 81 Murray Street Box 585F GPO HOBART 7001
PNG and Forces Overseas	..	The Regional Office of the State where out- going personnel intend to retire.

### Action by the Resettlement Officer

16. Before the date of retirement or discharge, every member is to be interviewed by the ship or establishment Resettlement Officer. To assist Resettlement Officers, Navy Office issues every three months the Quarterly Resettlement Circular listing all personnel who are due to leave the Service three to five months hence. The Resettlement Officer is to complete sections A and B of Form ES102 for each person interviewed. Forms are to be completed in accordance with the directions printed thereon.

17. Section A of Form ES102 records the personal particulars of the member concerned, whilst Section B records whether or not he desires the assistance of the Commonwealth Employment Service in seeking post-discharge employment, and the type and location of employment sought.

18. Completed Forms ES102 are to be forwarded to the Department of Labor and Immigration Regional Office, a record of their dispatch being maintained in the ship or establishment. The Department of Labor and Immigration desires to compile certain statistics and for this it is essential that all Forms ES102 be forwarded to the Regional Office regardless of whether or not the individual member desires assistance in finding employment.

19. During the interview the Resettlement Officer is to ensure the member understands the benefits available under the Resettlement Scheme and has a copy of the resettlement benefits available to Service personnel. Should the member not require employment assistance at the time of interview this is to be endorsed on the Form

ES102 by the Resettlement Officer. Each Resettlement Officer is to maintain a register of interviews showing the particulars of members interviewed and the resultant action taken.

### Action by the Commonwealth Employment Service

20. The Department of Labor and Immigration Regional Office will arrange through the Commonwealth Employment Service (CES) such employment assistance as may have been requested. For this purpose it may be necessary for individual members to be interviewed by a CES officer:

- a. in the members own ship or establishment (if numbers warrant a visit by the CES officer); or
- b. at the Higher Appointments Office of the CES in the nearest capital city; or
- c. at a local CES district office.

Interviews of this kind will be arranged through the Resettlement Officer.

21. *Financial Aspects.* When a member is required to travel to an office of the CES for the purpose of a resettlement interview it should be arranged, if possible, that the interview (apart from a purely local one) coincides with travel on other duty. In the case of a long-term service member, where those arrangements are impracticable, return travel on duty, from the members ship or establishment to the appropriate CES office for the resettlement interview, may be approved at Departmental expense. Travelling allowance if appropriate is to be paid in such cases under the usual Service conditions. No direct expenditure on fares or travelling allowance is normally to be approved for resettlement interviews by other members.

22. Placement action by the CES is frequently conditional upon the prospective employee visiting the prospective employer. Subject to the exigencies of the Service, special short leave may be granted to a member during the last three months of his service to enable him to visit a prospective employer. Visits of this kind are to be arranged through the Commanding Officer who is to satisfy himself that the employment offered is apparently such as to justify the visit. Departmental travel is not allowable in this instance.

### Resettlement Seminars

23. Resettlement seminars are conducted periodically on behalf of the Resettlement Co-ordinating Committee by Department of Labor and Immigration. The seminars are normally conducted in the capital cities of the major states. Two types of seminars are usually conducted within a series:

- a. *Type A.* For those long-term service members seeking employment in professional, management or self-employment fields; and
- b. *Type B.* For those long-term service members seeking civilian employment in commercial, skilled or other fields.

24. The aim of resettlement seminars is to provide an opportunity for long-term service members to familiarise themselves with the civilian environment.

25. Attendance at a resettlement seminar will normally be restricted to long-term service members. Other members may be permitted to attend provided vacancies

exist and no direct expenditure is incurred by attendance. Eligibility for attendance will normally fall into the following categories:

- a. *Category A.* Long-term service members who are within twelve months of their intended end date of service. Such members will normally be permitted to attend a seminar in the State in which they will reside on retirement or discharge at Departmental expense.
- b. *Category B.* Long-term service members who are within three years of their intended end date of service. A member who will become a long-term service member at his intended end date of service, comes into this category. Such members will normally attend a seminar in the State in which they are presently serving.
- c. *Category C.* Other members may attend seminars provided vacancies exist.

26. Members in Categories A and B serving in, or settling after discharge in, States or Territories in which no seminars are programmed will normally be permitted to attend a seminar in an adjacent State. No direct expenditure is to be incurred by attendance of Category B or C members.

#### Section II—Pre-discharge Resettlement Training

27. Pre-discharge resettlement training is only available to long-term members as defined in Paragraph 4 a. These members may require a brief period of formal and/or on-the-job training prior to discharge, in order to obtain suitable civilian employment. There may also be some members with a need to complement theoretical or practical training they have undertaken through the Services Vocational and Educational Training Scheme, if they are to take advantage, for employment purposes, of the training already completed under SVETS.

#### Scope of Training

28. Subject to the restrictions contained in the following paragraphs, the desired training programme which will facilitate the members resettlement may be arranged by the Department of Labor and Immigration Resettlement Officer.

#### Eligibility for Training

29. Pre-discharge training is not a right, and long-term service member do not have any automatic entitlement to this particular form of resettlement assistance. However, each case will be determined on the basis of the resettlement needs of the individual, the nature of the assistance which can be arranged by the Department of Labor and Immigration, and in accordance with the needs of the Navy.

#### Conditions for Training

30. The conditions under which this form of resettlement assistance may be provided are:

- a. the training must be directly related to the particular resettlement needs of the member;
- b. training shall only be arranged during the last three months of a members service;
- c. the maximum period for which training may be arranged shall not exceed four weeks (28 days) in the aggregate;
- d. members undertaking this training will be on duty, but will be relieved of their service duties, as necessary, for the training period or periods.

31. Where a member is selected for training with any organisation, he remains, in all respects, a member of the Defence Force subject to Service discipline and direction. The member cannot, in any circumstances, be regarded as an employee of the organisation to which he is temporarily attached for training purposes. To preserve rights under the Compensation (Australian Government Employees) Act 1973 a member is not to accept remuneration from an employer during the pre-discharge resettlement training period.

#### General Arrangements for Training

32. In the light of the information provided on the members Form ES102, supplemented by the information obtained at the initial employment interview, the Department of Labor and Immigration Resettlement Officer, will consider the likelihood of the members being able to obtain suitable employment. If it appears to the Department of Labor and Immigration Resettlement Officer that the members effective resettlement is likely to prove difficult and that it might be facilitated by a brief period of training, which the Department of Labor and Immigration would be able to arrange, he will contact the ship or establishment Resettlement Officer.

33. The initiative for suggesting a pre-discharge training programme will ordinarily come from the Department of Labor and Immigration Resettlement Officer after the initial interview with the member. However, this does not exclude initiatives from the ship or establishment Resettlement Officer, nor indeed from long-term members themselves.

34. When a proposal for pre-discharge training is initiated, the ship or establishment Resettlement Officer is to raise, **in duplicate**, Department of Labor and Immigration Form TRG90 (Application for Pre-discharge Resettlement Training), filling in Paragraphs 1 and 2 fully. The form is to be sent to the Department of Labor and Immigration Resettlement Officer who conducted the initial interview with the member, and will be returned to the ship or establishment, either with training recommended or not. If training is recommended, an application for the release of the member is to be made to the Naval Board, enclosing the completed TRG90 form. Normally, all formalities should be completed in sufficient time for the request to reach Navy Office by letter, but requests by signal will be considered. As factors such as the availability of a relief for the member must be fully investigated by Navy Office, applications for pre-discharge training should be made as far in advance of the proposed date of commencement of training as possible. The following pro-forma is to be used:

#### SIG MBN

- a. ANO 59/75. Pre-discharge Resettlement Training.
- b. Rank, surname, initials, personal number.
- c. Completed Application Form (TRG90) dispatched to Navy Office on ..... (date). State whether Department of Labor and Immigration has recommended training.
- d. Proposed dates of commencement and completion of training (*see* special instructions for medical dischargees below).
- e. Number of days training required (to include weekends and public holidays).
- f. Training arranged with.....(firm, address).

- g. Cost of training. (If other than nil cost, account (or receipt), together with certification of successful completion of training, is to be forwarded on completion of training to the Special Deputy (Navy Office), Department of Defence (Navy Office), CANBERRA ACT 2600 for payment.)
- h. Any other information which may assist in a decision (eg, member has applied for free discharge, is a medical dischargee, resignation being processed, etc).

#### Pre-discharge Resettlement Training for Medical Dischargees

35. If pre-discharge resettlement training is both available and recommended for a medical dischargee by the Department of Labor and Immigration, application should be made to Navy Office by signal for the training to commence from a date not before approximately three to four weeks after the date of the final medical survey in order to allow the recommendations of the Director General of Naval Health Services to be known and a decision on discharge to be made. Signals approving discharge on medical grounds do not specify the date of discharge. This allows the member further time to take leave due and arrange for pre-discharge training, if desired. Resettlement Officers therefore must ensure that medical dischargees wanting training apply to commence on a date not less than three weeks after the FMS Boards recommendation is known (PUNS or BNPS) but such training may be applied for to commence at any reasonable time convenient to the member before discharge.

#### Certificate of Guarantee of Employment

36. The Department of Labor and Immigration has advised that consideration of applications for pre-discharge resettlement training is greatly facilitated if a letter certifying agreement by an employer to accept a member for training is attached to Form TRG90 when lodged with that Department.

#### Cost of Training

37. The cost of training detailed in Paragraph 34g refers to actual costs of training but not to travel costs. Since the member is on duty during the training period, full travelling allowances are payable under the usual Service conditions.

38. Where the cost of pre-discharge training involves the approval of travelling and accommodation expenses, such applications usually fall into two categories:

- a. those which involve travel only between the members home base and the centre where he proposes to undertake his training; and
- b. those which involve travel from the centre where the organisation providing the pre-discharge training is based to other centres.

Where the only travel involved is travel between the members home base and the training centre, the application will be considered at regional level by the Department of Labor and Immigration and a recommendation made to the ships Resettlement Officer in the usual way. Applications which involve travel while the member is attached to the organisation providing training will be referred to the Central Office of that Department and will be cleared with Navy Office before any recommendation is made.

### Section III—Post-discharge Training and Assistance

#### National Employment and Training System (NEAT)

39. NEAT is a training scheme which supersedes the existing Service training schemes:

- The Permanent Forces Resettlement Scheme (PFRS)
- The Former Regular Servicemans Vocational Training Scheme (FRSVTS)
- The National Service Vocational Training Scheme (NSVTS).

Broadly the Scheme is designed to help people train for new employment when the training for that employment is appropriate. The Scheme is conducted by the Department of Labor and Immigration and all former Service members honourably discharged are eligible to apply for training, long-term and short-term service members accruing special rights and benefits as detailed in Paragraph 44 of this order.

#### Types of Training

40. Eligible persons may receive full-time or part-time training:
- a. at training institutions;
  - b. in industry and commerce; and
  - c. by correspondence courses of instruction.

#### Duration of Training

41. The length of training will be assessed by the Department of Labor and Immigration according to the period needed to achieve the immediate employment goal, and continuation of training is subject to satisfactory progress being made towards the immediate employment goal.

#### Allowances

42. The following allowances are payable during training and are not subject to means test:

- a. *Full-time Training.* Adult trainees or trainees with dependants receive a training allowance equal to the full weighted average adult male award rate (as published for the previous quarter by the Australian Government Statistician). Others between 18 and 21 years receive 75 per cent of that rate; under 18 years 50 per cent of that rate.
- b. *Part-time Training.* Any trainee not in employment or working less than full-time, receives an allowance equal to 12½ per cent of the full-time rate.
- c. *On-the-job Training.* Pay to be not less than the appropriate award wage for the occupation concerned.
- d. *Living-away-from-home Allowance.* A trainee who needs to live away from his normal home during training will receive an additional allowance equal to 25 per cent of the full-time adult training allowance.
- e. *Fares.* A trainee obliged to live away from home to undertake an approved course of training may claim reimbursement for the cost of the cheapest reasonable method of transport at the beginning and end of the course. In addition a trainee receiving living-away-from-home allowance may claim on a similar basis for one return fare home in each completed three months of the course.
- f. *Fees, Books and Equipment.* All necessary tuition, examination, certificate and registration fees will be paid. Trainees may also claim for costs of essential books and equipment.
- g. The training allowances are subject to taxation.

#### Conditions for Approval of Training

43. Every endeavour will be made to satisfy the ambitions and aspirations of applicants having regard to:

- a. the requirements of the labour market;
- b. the applicants ability to complete the form of training sought; and

- c. the training proposed being necessary and/or desirable for suitable employment.

#### Special Rights and Benefits

44. Long-term service members and short-term service members who apply for training under NEAT within one year of their discharge are eligible for the following additional benefits:

- a. a fares allowance for full-time and part-time trainees;
- b. a supplementary allowance payable to trainees who have to move to undertake training;
- c. a subsistence allowance payable to trainees required to travel to commence training or at the completion of training;
- d. though no formal appeal system is to operate under NEAT, eligible former members whose applications are rejected may appeal to the Regional Director, Department of Labor and Immigration, in each State, for determination of the appeal at Labor and Immigrations Central Office after consultation with Department of Defence.

#### Employment Assistance

45. The CES through its District Employment Offices and, if applicable, its Professional Employment Service have a special interest in ensuring that the former member obtains suitable employment. When the member completes Form ES102 it should indicate whether or not this assistance is required. In many cases the former member may find initial employment through private negotiation. Should this subsequently prove to be unsatisfactory, an approach to the CES for assistance at a later time is quite in order.

### Section IV—Related Benefits

#### Re-establishment Loans

46. Long-term service members and short-term service members are eligible to apply for re-establishment loans. There are two types of loan—business loan and agricultural loan. Loans are subject to adequate security or guarantees and may be given for the following purposes:

- a. to purchase or lease any land, premises or business;
- b. to improve land;
- c. to purchase or hire tools of trade, stock, plant, equipment or livestock;
- d. to reduce a debt on a property to be used in business;
- e. to complete terms of a hire-purchase agreement in respect of property to be used in business;
- f. to pay any subscription or fee to qualify for engagement or resumption in an occupation, business or practice;
- g. otherwise to establish or re-establish a former member in civil life by engaging in or resuming a business occupation or practice.

47. Re-establishment loans attract a concessional rate of interest and current limits are:

a. Business loans	..	..	..	\$	6,000
b. Agricultural loans	..	..	..		10,000

48. Eligible members must apply within twelve months of discharge:
- a. to the regional office of the Department of Repatriation and Compensation on Form D306 for business loans;
  - b. to the regional office of the Department of Agriculture on Form A8-7/73 for agricultural loans.
49. Navy Order 67/72 is hereby cancelled.

(Navy Order 67/72)

(347/1/62)



to the regional office of the Department of Agriculture and Fisheries on Form D300 for business loans;  
 b. to the regional office of the Department of Agriculture on Form 24-1, A-1, the agricultural loans; and  
 c. to the regional office of the Department of Agriculture on Form 24-1, A-2, the agricultural loans.

May Order 6712 is hereby cancelled.  
 (LAWYER)  
 (Copy Order 6712)

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Section VI - General Provisions

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HISTORIAN

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ANOs 60/75-76/75



# AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,  
6 March 1975.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

RESTRICTED

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76/75	Revised Accounting and Replenishment System for Use in Small Vessels (Tenders) not Subject to NAVTEND.

Additional copies of Navy Orders may be readily obtained by:

- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 3461.

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

60/75—Airborne Equipment—Failure Reporting During Joint Ship/Aircraft Exercises and Trials

1. The absence of an expeditious method of reporting airborne equipment failures which occur during joint aircraft/ship operations, exercises and trials has resulted in an inability to recognise problem areas and to develop timely solutions. In joint aircraft/ship operations it is not always possible for the aircraft operators to recognise inadequate performance of ship interpreted aircraft equipment and in such cases reports by ships are essential.

2. Ships and/or other authorities involved in joint aircraft/ship operations, exercises and trials are to report by signal to the parent unit of the aircraft (info SAMR and DEFNAV Canberra) in the event of a failure or inadequate performance of ship interpreted aircraft equipment.

3. A report is to be signalled in the following format as soon as possible after the aircraft equipment failure occurs:

- a. Date and serial of exercise or sortie.
- b. Call sign, side number and type of aircraft involved.
- c. Disposition of aircraft, ie, range from ship, aircraft height and bearing.
- d. Symptoms of aircraft equipment defect or performance deficiency.
- e. Weather conditions and sea state.
- f. Any other relevant comments or information.

(N1287/1/2)

UNCLASSIFIED

61/75—Travel to Papua New Guinea

1. Although Papua New Guinea is now self governing, for the purpose of travel, losing ships and establishments are to continue to arrange passages for personnel to PNG as at present.

2. Department of Defence, Canberra, is to be included as an information addressee in movement advice correspondence and signals concerning visits (but not removals) to Papua New Guinea. Department of Defence will then advise the Australian High Commission. The correspondence and signal addresses are:

- a. Correspondence .. PNG Secretariat, Department of Defence, CANBERRA ACT 2600.
- b. Signals .. .. DEFENCE CANBERRA.

3. Navy Orders 234/74 and 318/74 are hereby cancelled.

(522/1/3)

(Navy Orders 234/74 and 318/74)

## Section 2

### PERSONNEL

UNCLASSIFIED

#### 62/75—Temporary Rental Allowance—Rejection of Offer of a Married Quarter—Revision of Conditions for Retention of Eligibility for Allowance

1. Current rules relating to Temporary Rental Allowance (TRA) provide that in areas where there is a shortage of married quarters, a member who is offered a married quarter may reject that quarter and continue to receive TRA providing the quarter will be accepted by another member for occupancy within one month of the quarter being first offered.

2. Approval has recently been obtained for the period of one month to be extended to two months in cases where the quarter cannot be occupied within the former period because of removal delays associated with the Department of Manufacturing Industry's requirements or for Service reasons. The latter includes delay in offering the married quarter to a second member because of the time taken by the first member to reject the quarter, but only where the delay has occurred for valid reasons, eg, a member absent at sea who wishes to inspect the quarter before making a decision, or a member absent on long leave who cannot be contacted, etc.

3. In this regard, concern is felt that sufficient importance is not being given to the need for speedy acceptance or rejection of offers of married quarters. This is necessary in order that:

- a. in cases where a member wishes to remain on TRA, the married quarter may be offered to as many members as possible in an endeavour to obtain an acceptance for occupancy within the prescribed period; and
- b. the period of vacancy of married quarters is kept to a minimum. Delays in re-allocating married quarters result in a loss of revenue to the Government and with the large turnover of married quarters in the RAN this figure can be of considerable significance.

4. Every endeavour should be made, therefore, to ensure that early decisions are made on offers of married quarters. When the member concerned is on long leave and it is not possible to contact him, the Billeting Officer should be informed immediately so that the member's name can be 'frozen' temporarily on the top of the roster and the married quarter offered to another member.

(302/2/156)

UNCLASSIFIED

#### 63/75—Victorian Hospital Accounts—Road Accident Cases

1. Under the Motor Accidents Act 1973 (VIC), where a member is injured in, or dies as a result of a motor vehicle accident in Victoria (whether he is driver, passenger or pedestrian) the accounts for hospital, ambulance, medical, nursing and therapeutic services provided to him in Victoria are, if he is an eligible person, payable by the Motor Accidents Board of Victoria.

2. An eligible person is a person who:

- a. resides in Victoria; or
- b. is visiting Victoria and his injuries are, or his death is caused by or arose out of the use in Victoria of a motor vehicle that is:
  - (1) registered in Victoria;
  - (2) unregistered but required to be registered under Victorian law (excluding a motor vehicle registered outside Victoria and exempt from registration in Victoria);
  - (3) being used under a temporary permit issued under Victorian law; or
  - (4) unidentified.

3. A member who is injured in or by a motor vehicle registered outside Victoria or an Australian Government vehicle is accordingly not an eligible person unless he resides in Victoria or his injuries were, or his death was caused by or arose out of the use of a vehicle described in Paragraph 2.

4. A member will not be regarded as resident in Victoria unless he actually resides there or was, at the time of the accident, in the course of taking up residence in Victoria for a period of not less than six months.

5. Accounts are not payable by the Motor Accidents Board if the person is entitled to compensation under the Compensation (Australian Government Employees) Act.

6. Claims by Victorian hospitals, etc, in respect of eligible persons will usually be rendered by them on the Motor Accidents Board. The attention of all concerned with processing accounts is to be drawn to the necessity for ensuring that all relevant information is ascertained in connection with claims rendered on the Department by Victorian hospitals, etc, in order to verify liability. Where this information indicates that the Motor Accidents Board is liable to pay the account, the account is to be returned to the claimant with an appropriate explanation.

7. Article 197 of Navy Accounts Manual is being amended and copies of NAM are to be noted pending issue of amendment sheets.

(N2/7/233)

## Section 3

### OPERATIONAL AND TRAINING

UNCLASSIFIED

#### 64/75—Sailors—SAR Divers—Selection, Training and Employment

1. Search and Rescue Divers were introduced in order to maximise the chances of recovering personnel from the sea, eg, ditched aircrew. Search and Rescue Divers can be expected to jump from a helicopter into any sea state in which a helicopter recovery can be effected.

#### Employment

2. A SAR Diver will assist in the rescue of a survivor, whether in or out of an aircraft, who is unconscious, injured, or foul of wreckage or parachute harness at or near the surface. He cannot be expected to remain in contact with or carry out a task on a rapidly sinking aircraft.

3. SAR Divers will be allowed to HT723 Squadron in sufficient numbers to permit two sailors to be available at all times. HS817 Squadron will be allowed four SAR Divers. When not employed or standing by for SAR duties, these sailors will be employed in maintenance appropriate to their category. As SAR Divers will be fully occupied on SAR duties or maintenance they are to be used as part of a ships diving team in periods of operational necessity only.

#### Application for Course

4. Volunteers from Able and Leading Ranks in all Fleet Air Arm categories except PHOT and MET including qualified ships divers are required for training. Although sailors may volunteer for training at any time, normally they will not be selected and posted for training until they have completed six months at sea and are Able Rank. General Service Seamen who have already qualified as ships divers may volunteer for transfer to the Fleet Air Arm in order to qualify as SAR Divers. Selection will depend on overall manning requirements. Applications accompanied by certificates of medical fitness are to be forwarded to the Naval Board.

#### Eligibility

5. Volunteers must possess the following qualifications before being selected for training:

- a. a recommendation by the Captain;
- b. be under 26 years of age on commencement of course;
- c. medical category B1;
- d. medically fit for ships diver training in accordance with ABR 155;
- e. PST; and
- f. have not less than twelve months to serve on completion of course.

#### Training

6. Selected sailors will be given the following training to fit them for their duties:

- a. four weeks ships diver and equipment course at HMAS PENGUIN (if not already qualified ships divers);
- b. four weeks basic and advanced training at HMAS ALBATROSS in accordance with ABR 27 Volume 2 Article 1521.

#### Badges

7. On successful completion of the course, sailors will be awarded the Sailor Aircrew Badge to be worn in accordance with the Uniform Regulations. The appropriate rank and category badges are also to be worn.

8. SAR Divers will normally continue to wear the Sailor Aircrew Badge for the remainder of their service as sailors. If the holder is removed permanently from flying duties for disciplinary reasons or other reasons within his control, the badge may be withdrawn by the Naval Board.

#### Allowance

9. Where a sailor is posted for duty with an air squadron or helicopter flight in a position of Search and Rescue Diver, an allowance called 'Flight Pay' is payable to him:

- a. if he is undergoing a course of training for the purpose of fitting him to perform the duties of the position—at the rate of eighty-two cents per day; or
- b. if he has qualified at such a course of training—at the rate of one dollar sixty-four cents per day.

10. Extra Risk Allowance (if applicable) will be paid in accordance with NOM 302/2/186 of 30 May 1973, Paragraph 16.

#### Cessation or Suspension of Special Allowance

11. The special allowance pay will cease or be suspended, as the case may be, under the following conditions:

- a. personnel who become medically unfit to carry out the duties for which the allowance is being paid:
  - (1) for reasons beyond their own control—as from ninety-one days from the date on which they were first checked sick or until such time as certified as permanently unfit for further flying, whichever is the earlier;
  - (2) for reasons within their own control—as from the date on which they were first checked sick. In any cases of doubt, payment should be suspended and the case referred to Navy Office for decision;
- b. personnel who fail to keep in regular flying practice:
  - (1) a SAR Diver will cease to be qualified and eligible for the allowance if, for Service reasons, he has not fulfilled the requirement to carry out ten jumps per month for a period of six months. (A member would be required to again re-qualify before the allowance would be payable—see Sub-paragraph (iii) below);
  - (2) where, for reasons other than Service exigencies or as otherwise provided, a SAR Diver fails to carry out jumping practice in respect of any month, or for any other reason—including disciplinary reasons—his qualifications lapse, the allowance will cease to be payable;
  - (3) following discontinuance of the allowance under (1) or (2) above and where permitted to seek re-qualification, a member may be required to undertake and graduate from a course of diving training appropriate to the diving qualification sought;
- c. personnel no longer required for SAR Divers—as from the date on which posted for non-SAR Diver duties. Normally a SAR Diver will not be required for flying duties after promotion to Petty Officer.

#### Continuation Training

12. In order to maintain their efficiency, and retain their SAR Diver qualification, each SAR Diver is to carry out ten jumps per month. These practices are to be spread over at least two sessions which are to take place a minimum of a week apart.

#### Relinquishment and Withdrawal of SAR Diver Qualification

13. A sailor who fails to maintain a proper standard of efficiency in flying duties subsequent to qualification may have his SAR Diver qualification withdrawn by the Naval Board on the application of the Captain. A SAR Diver may be temporarily suspended from flying duties by the Captain pending approval for the removal of SAR Diver qualifications. A sailor whose SAR Diver qualification is withdrawn will be employed in normal maintenance duties.

14. Applications for removal of the SAR Diver qualification should also recommend whether the ships diver qualification should be removed or retained. Although the ships diver qualification may be retained in accordance with current regulations when the SAR Diver qualification is removed, it is emphasised that removal of the ships diver qualification (in accordance with normal diving requirements) automatically removes the SAR Diver qualification.

15. Navy Orders 516/71 and 118/72 are hereby cancelled.

(Navy Orders 516/71 and 118/72)

(303/22/49)

## Section 4

## EQUIPMENT, STORES AND SERVICING

## UNCLASSIFIED

**65/75—Ammunition—Pyrotechnics—Cartridges Signal 1 inch Red, Green and Illuminating—Withdrawal of Overage Cartridges**

<i>Authorities Concerned</i>	..	All HMA ships and establishments.
<i>Items Concerned</i>	..	1370-99-960-8036 CARTRIDGES SIGNAL 1 INCH RED.
	..	1370-99-960-8035 CARTRIDGES SIGNAL 1 INCH GREEN.
	..	1370-99-960-8034 CARTRIDGES SIGNAL 1 INCH ILLUMINATING.
<i>Age Limit</i>	..	a. Cartridges Signal 1 inch Red, Green and Illuminating filled prior to 1970 have a life of five years.
	..	b. Cartridges Signal 1 Inch Red and Green filled 1970 onwards have a life of eight years.
	..	c. Cartridges Signal 1 inch Illuminating filled 1970 onwards have a life of seven years.
<i>Action to be Taken by HMA Ships and Establishments</i>		Any Cartridges Signal 1 inch found to have exceeded the age limit set out above are to be returned to the nearest RAN Armament Depot and replacements demanded.
<i>RANADs Only</i>	..	Any affected stock is to be reported for disposal.

(728/58/202)

## UNCLASSIFIED

**66/75—Cleaning and Restoration of Items of Uniform Clothing Damaged by Furnace Fuel Oil**

1. Defence Standards Laboratories have recommended a simple cleaning technique that will limit the spread of initial furnace fuel oil staining of garments and facilitate restoration by laundering or dry cleaning.
2. Although early action should be taken to limit the spread of fuel oil stain by removing surplus oil using an absorbent material, eg, paper, cloth, or chalk, the final removal is not influenced to any marked degree by the age of the oil stain.
3. Solvents such as toluol (THINNER TOLUOL 0442/L59961), mineral turpentine, lighter fluid, white spirit, etc, should be applied outside the stain area on the unstained fabric and worked in towards the stain. The garment should be swabbed gently and not immersed in the solvent.
4. This 'first aid' treatment should be given whether suitable dry cleaning facilities are available or not. After initial treatment a light brown stain will remain on garment. It should then be passed to a commercial dry cleaning establishment with advice of the nature of the stain and if practicable, identification of the material from which the garment is made.

5. Restoration of the garments to a serviceable state may not be achieved by a single dry cleaning treatment and in the case of white uniforms may require, in addition, a commercial laundering process. After this treatment most garments will be suitable for further use. Subsequent laundering will improve any garment which does not fully respond to the initial treatment.

6. In accordance with normal practice, the cost of treating oil damaged garments may be accepted as a charge to public funds if the damage/staining is considered a casualty of the Service.

7. This order will be reprinted for posting on notice boards.

(901/62/4)

## UNCLASSIFIED

**67/75—Cover for Gyro Compass Repeaters**

1. 6605-66-075-9375 (previously 0671-160410) COVER FOR GYRO COMPASS REPEATERS, 6605-99-460-6458 (previously 0671-1900) and 6605-99-460-6563 (previously 0671-19008) is obsolete.

2. Since suitable canvas cover can be readily made up by ship's staff and in dockyards, it is not intended to introduce a superseding item. Accordingly requirements are to be met utilising local resources.

(1/6605/76)

## UNCLASSIFIED

**68/75—Support Craft Transmission—Lubrication of Vee-Drives**

1. Following reports of unsatisfactory service using OC 600 oil for the lubrication of vee-drives in RAN support craft it has been decided to change to an extreme pressure oil for this purpose.

2. The oil to be used is 9150-66-035-2423 Lubricating Oil, Gear, OEP 220 and is supplied in five-gallon drums, and 9150-66-035-5253 in one-gallon cans.

3. When commencing to use this lubricant, gearboxes are first to be drained, then flushed with a suitable flushing oil such as OM 21. After the initial oil fill, OEP 220 is to be used in accordance with existing planned maintenance routines.

(1/9150/41)

## RESTRICTED

**69/75—100 Foot Patrol Boats—40/60 Gun Inspection**

1. Ordnance carried by 100 foot patrol boats including those used for Reserve Training, are to be inspected at six monthly intervals irrespective of the number of rounds fired, unless the figures in Table 3 of BR 291 are exceeded prior to the six month period expiring.

2. On completion of the inspection a firing test may be carried out at the discretion of the Inspecting Officer to prove functioning and adjustment of the rate of fire.

3. Requisitions for inspection are to be made in accordance with the instructions contained in Paragraph 10, Annexe A of Navy Order 217/74 and should be submitted at least one month prior to planned date of inspection.

4. Navy Order 133/74 is hereby cancelled.

(1234/51/112)

(Navy Orders 133/74 and 217/74)

## Section 5

## BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

## UNCLASSIFIED

**70/75—Information Concerning and Distribution of Publications and Amendments Managed by Executive Officer Publications Sydney—September 1974**

1. The Annexe lists publications and amendments distributed, declared obsolete, superseded, etc, during September 1974.

2. Allowances for ships and establishments, as distinct from gratuitous and repayment issues will be issued without demand by the Publications Authority, Garden Island, NSW, in accordance with an approved scale and automatic updating is provided.

3. Holders of basic publications are reminded that only those issues recorded on NAVPUB will be updated without demand (Navy Order 158/74 refers).

4. Changes issued to publications held as advance copies or to publications not on general distribution are not reflected in Navy Orders.

**Gratuitous Issues**

5. Where it has been decided that a gratuitous or personal issue of a publication will be made, an order detailing the basis of issue and the personnel concerned and instructing ships and establishments to obtain their requirements, for this purpose, through their Supply Officer will be promulgated.

6. Supply Officers should place demands on the Publications Authority, Garden Island, NSW, for the total number of copies required in their respective ship or establishment, on Form SO150 (Navy Order 236/74 refers), stating the reason for the requirement and quoting the relevant Navy Order. The publications are to be accounted for by the Supply Officer in accordance with ABR 4, Article 1301 and Article 2512.

7. Automatic updating is not provided for copies of publications on gratuitous issue and demands for updating should be placed on the Publications Authority, Garden Island, NSW, upon notification of its availability in Navy Orders. Form SX40 should be used for demanding changes and the form should clearly state 'Required for amending Personal Issue Copies'.

**Repayment Issues**

8. If it has been approved that a publication should be made available from Departmental stocks, for sale to certain categories of personnel, an order will be promulgated detailing the basis of issue and the rate to be charged to personnel concerned.

9. Supply Officers should place demands on the Publications Authority, Garden Island, NSW, for the copies required on Form SO150, quoting the reason for requirement and the relevant Navy Order. The publications are to be accounted for by the Supply Officer in accordance with ABR 4 Chapters 13 and 25.

10. Automatic updating is not provided for copies of publications issued on repayment, and demands for updating should be placed on the Publications Authority, Garden Island, NSW, upon notification of its availability. Again Form SX40 should be used for demanding these changes and the form should clearly state 'Required for amending Repayment Issue Copies'.

**Periodicals**

11. Issues, etc, of periodicals and magazines are not to be included in monthly Navy Orders.

**General Information****Publications**

*Port Guides for East of Suez.*

12. Copies have been dispatched from the Commander in Chief, Fleet, Ministry of Defence (Navy) UK. Requests should be submitted to FOCAF.

*JSP2.*

13. The security classification is to be downgraded from Confidential to Restricted, and covers are to be amended accordingly.

**SO150s—Requisition for a Publication**

14. Attention is drawn to Paragraph 6 of Navy Order 236/74. Requisitions not submitted in accordance with this Navy Order will be cancelled and advice forwarded to resubmit the requisition. Navy Office Directorates are to follow the instructions detailed in Navy Office Acquaint No 90/74.

**Cancellation of SO150 Requisitions**

15. Upon receipt of cancellation advice where a new requisition is to be submitted, a new Originators Reference Number should be allocated. The reference number of the cancelled SO150 is not to be re-used.

**Navy Order 298/74—Janex Publications**

16. Requisitions for superseded editions submitted by ships/establishments/authorities who are included in the approved distribution for current editions will be cancelled.

17. Issue of superseded editions will not be reflected in NAVPUB holdings.

**Demands for Changes to Basic Publications**

18. Forms SX40 raised for the supply of changes should show Depot Code 5819 and not 0086 as has been the case with numerous demands.



## ANNEXE A

## Initial Issue of Basic Publications Issued to Approved Holders

Publication No	Title	Edition
AAP 7000.002.2B2 ..	Index Technical AAP and Assoc. Tech Data (Issue 4) ..	—
AAP 7433.019-3M ..	Starter Motor and Gearbox Type C10501 PT/C0624 ..	73
AAP 7833.021-3M ..	Interphone Systems—Macchi Aircraft (Iss 2) ..	74
ABR 27 V2 ..	RAN Training Manual ..	74
ABR 5196 ..	Inst for Sub-Systems Based on NAVEST EDP System ..	73
ABR 5204 ..	H/Bk for Radio Set AN/GRC106—Technical Description ..	74
ABR 5205 ..	H/Bk for Radio Set AN/GRC106—Repair Instructions ..	74
ABR 5206 ..	H/Bk for Radio Set AN/GRC106—Repair Parts Scale ..	74
ABR 8096 V1 ..	Reserve Instructions V1 ..	74
APRAN 78 ..	Tool Control Administrative Procedures Book 1 ..	74
BR 2525 WP88100/01	Director Mark 1 Mod 0 for GWS MK 1 Dir MK 1 Mod 1 GWS MK 2 ..	73
BR 2525 WP88612/03	WESPIL—40MM MK and Mounting ..	73
BR 2525 WP88712/02	4.5 in Endless Chain Hoist for D.D.G.S. ..	73
E LIST-U269 ..	Sonar Outfit 189 AA ..	68
MBR 10778 ..	Compressors Copeland Refrigeration (USA) H/Bk ..	—
MISC PUB0023 P1, P2	Cross Reference List Part A-Type NO to NSN ..	73
MISC PUB0024 P1, P2	Cross Reference List Part B—NSN to Type NO ..	73
NA 00-35QZ-30 ..	Spec A/Craft Support Equipt Spare Pts IOL ..	74
NA 00-35QZ-31 ..	Gen-Std Support Equipt Spare Pts IOL ..	74
NA 00-35QZ-46 ..	Mobile Elect Power Plants Units Generators IOL ..	74
NA 01-1A-20 ..	Aviation Hose Assembly and Tube Repair Tech Manual ..	74
NA 01-40AV75-14 ..	A-4 TA-4 CBU Conventional Weapons Check Lists ..	74
NA 01-40AV75-16-3	A-4/TA-4 Practice Bombs MER/TER RELIAB Card ..	74
NA 01-40AV75-20-1	AIM-9B/AGM-87A-1 Stores Reliability Card ..	74
NA01-85SAD-2-2-1	S-2D/2E Corrosion Cont Clean ETC Maint Instructs (reprint with changes to 15/1/74 incorp.) ..	64
NA 03-5CCZ-501 ..	Motor DC General Controls Overhaul N/PC P/N10265 ..	57
NA 16-30AWM11-2 ..	Harness Test Bench AN/AWM-11A Oper, Serv W/PL ..	73
NA 16-30AWM31-1 ..	Fuse Function Control Test Set OP Serv Inst Pts ..	73
NAVSUP2002 S8 PD	Navy Stock List Forms Pubs and Letter Type T/DIRECT ..	74
NAVSUP 4105 ..	List of Items Requiring Special Handling LIRSH (Microfiche) ..	74

## ANNEXE B

## Publications Declared Obsolete

Publication No.	Title	Edition	Remarks
BR 608 ..	Notes on Mathematics for use in RN ENG College Devonport	42	
MBR 8094 ..	Financial Regulations and Instructions, Naval	—	Replaced by ABR 5020

## ANNEXE C

## Publications Declared Obsolete by MOD (N) UK But Still Current in the RAN

Publication No.	Title	Edition	Remarks
BR 2164 (1) ..	Auto Aligning System Mk 2 Alignment of Plan Displays with Associated Radar Aerials V1 Tech. Descript.	51	
BR 2164 (2) ..	Auto Aligning System Mk 2 Alignment of Plan Displays with Assoc. Radar Aerials V2 Figures	51	
BR 2306 ..	H/Bk for 580 AP 17096 Generator Ships and Head Marker	61	
BR 2010 (1) ..	H/Bk for Indicator Outfits—JDJE and JN Pt 1	50	
BR 2010 (2) ..	H/Bk for Indicator Outfits—JDJE and JN Pt 2	50	
<b>Publications of Which Stock is Exhausted</b>			
TP 638 ..	SPDC Packaging Spec. Director General Ships Equipt. Packaging Manual	66	

## ANNEXE D

## Amendments Issued to Publications

Publication No	Amendment No
AAP 1130 ..	3
AAP 7001.006-1 ..	17
AAP 7039.001-1 ..	2
AAP 7052.001-1 ..	5
AAP 7193.014-3M-2 ..	6, 7
AAP 7210.012-6-6P ..	7
AAP 7211.015-2-1 ..	12
AAP 7212.001-2-3 ..	34
AAP 7212.001-2-5 ..	36
AAP 7212.001-3 ..	28
AAP 7212.001-6-6 ..	14
AAP 7212.001-6-7 ..	14
AAP 7271.002-3M ..	3
AAP 7293.026-3M ..	14, 15
AAP 7322.001-2 ..	55
AAP 7334.005-3 ..	7
AAP 7435.003-3M ..	6
AAP 7441.019-3M ..	5
AAP 7521.011-3M ..	5
AAP 7600.500-14 ..	17, 18
AAP 7644.016-2M ..	1
AAP 7832.022-3M-2 ..	3

ANNEXE D—continued

Publication No	Amendment No
AAP 873 .. .. .	6
AAP 996-92 .. .. .	10
ABO Sect A .. .. .	A23
ABO Sect E .. .. .	E44, E45
ABO Sect E .. .. .	No 891
ABO Sect F .. .. .	F28, F29
ABR 337 V1 .. .. .	12
ABR 5016 V1 .. .. .	36
ABR 5112 4A .. .. .	2, 4
ABR 5151 V1 .. .. .	5
ABR 5180 .. .. .	2
ABR 675 .. .. .	5
ABR 81 .. .. .	2
AP (RAN) 1 V1 .. .. .	1
AP (RAN) 100 V2 P3 .. .. .	53, 55
AP (RAN) 100 V2 P9 .. .. .	59
AP (RAN) 19 V2 B1, B2, Iss 2 .. .. .	109
AP (RAN) 2098 .. .. .	5
AP (RAN) 500 V2 P1 .. .. .	230, 231
AP (RAN) 500 V2 P2 P3 .. .. .	89, 91
AP (RAN) 600 V2 P1 Iss 2 .. .. .	120
AP (RAN) 63 V2 .. .. .	24, 25
AP (RAN) 8 V1 B3 .. .. .	AIL 49
AP (RAN) 98 V6 P2 A34A .. .. .	90
AP 110E-054-1 .. .. .	4
AP 116D-0133-2 .. .. .	405, 406, 407
AP 1803 PV1 .. .. .	178
AP 3456C .. .. .	34
BR 1043A .. .. .	4
BR 1173 (5) 1 .. .. .	5, 6
BR 1787 .. .. .	6
BR 1857 (1) .. .. .	3
BR 1857 (3) .. .. .	25
BR 1964 (20) .. .. .	2
BR 1992 .. .. .	14
BR 2050 (644) .. .. .	1
BR 2111 (12) .. .. .	11
BR 2112 (2) .. .. .	14
BR 2122 .. .. .	6
BR 2139 (3) B .. .. .	11, 12
BR 2139 (3) C .. .. .	9
BR 2139 (3) G .. .. .	12, 13, 14
BR 217 (3) H .. .. .	7
BR 217 (4) .. .. .	7
BR 2205 .. .. .	6
BR 2221 (1) A .. .. .	14
BR 2225 .. .. .	6
BR 2232 .. .. .	17
BR 2239 .. .. .	17
BR 2317 (2) A .. .. .	13

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Publication No	Amendment No
BR 2317 (2) B .. .. .	13
BR 2328 (5)(1) .. .. .	9
BR 2349 .. .. .	10
BR 2355 .. .. .	10
BR 2358 .. .. .	11
BR 2494 .. .. .	5
BR 2497 (1) A .. .. .	8
BR 2497 (1) B .. .. .	8
BR 2504 .. .. .	6
BR 2506 (1) .. .. .	3
BR 2523 (11) .. .. .	3
BR 2525 WP88300/01 .. .. .	1
BR 2525 WP88411/01 .. .. .	1
BR 2525 WP88500/05 .. .. .	1
BR 2525 WP88520/01 .. .. .	1
BR 2553 .. .. .	1
BR 2768 (19) .. .. .	6, 7
BR 2973 .. .. .	4
BR 3104 .. .. .	10
BR 3212 .. .. .	9
BR 3321 .. .. .	10
BR 3428 .. .. .	12
BR 3939 .. .. .	2
BR 4507 .. .. .	2
BR 674 .. .. .	6
BR 95 .. .. .	6
CAT H/B H2-2 .. .. .	Sup Feb 74
CAT H/B H2-3 .. .. .	Sup Nov 73
CAT H/B H4-3 .. .. .	C Sup 6
E LIST-E 1336 .. .. .	3
E LIST-U 286 .. .. .	1, 2, 3 and 4
JSP (AS) 102 .. .. .	6
JSP 321 V1 .. .. .	3
JSP 324 .. .. .	4
MBR 8001 V1 .. .. .	Iss 79
MBR 8868 .. .. .	Corr 6, 7, 8 and 9
MBR 9202 V3 .. .. .	1, 2, 3
NA 00-35QB-117 .. .. .	5
NA 00-500AV1 .. .. .	Sup 7402, Sup May 74
NA 01-40AVC-1 .. .. .	RAN 10
NA 01-40AVC-2-2-2 .. .. .	RAN 10, 11, 12
NA 01-40AVC-2-2-3 .. .. .	RAN 4, RAC 4
NA 01-40-AVD-1 .. .. .	15/3/74
NA 01-40-AVD-2-2-1 .. .. .	RAN 4, RAC 4
NA 01-40-AVD-2-2-2 .. .. .	RAC 007
NA 01-40-AVD-2-2-4 .. .. .	6
NA 01-40-AVD-3 .. .. .	1/5/74
NA 01-40-AV75-16 .. .. .	1
NA 01-85SAD-6-4 .. .. .	RAC 9
NA 02B-10DAA6-1-1 .. .. .	1

ANNEXE D—continued

Publication No	Amendment No
NA 03-100AM-2 .. ..	1
NA 03-110AD-23 .. ..	6
NA 03-110AD-24 .. ..	1
NA 03-5AS-9 .. ..	1, 2
NA 11-85-1 .. ..	4
NA 16-350A4352-1 .. ..	RAN 7
NA 17-15BD-23 .. ..	1
NS 351-0741 .. ..	2
RANAL (CAT) 80 .. ..	3
RANAL (CAT) 83 .. ..	3
RANAMO/GEN/A-O .. ..	128
RANAMO/GEN/ENG .. ..	30
RANAMO/GEN/Q-Z .. ..	62
TM 55-1615-226-40 .. ..	Err 7409

(465/61/228)

RESTRICTED

71/75—Security Classifications—NAVEST I and II Output, Master Equipment Lists and COSAL Index

1. The security classifications of NAVEST I and II systems, Master Equipment Lists and COSAL Index have been reviewed and are listed in Annexe A to this order.

ANNEXE A

Item	Classification
1. Master Equipment Lists .. ..	Confidential
2. COSAL Index .. ..	Confidential
3. NAVEST I	
a. COLMS I .. ..	Confidential
b. COLMS II .. ..	Unclassified
c. NAVTED Index .. ..	Unclassified
d. E List .. ..	Unclassified
e. NAVTED Disposition .. ..	Confidential
f. File print out .. ..	Unclassified
g. Repair Part Update Report .. ..	Unclassified
4. NAVEST I and II	
a. Part 3, Shipboard/Shore Establishment Allowance List (SAL) .. ..	Unclassified
b. APL/OAL/NAVEST I Index .. ..	Unclassified

ANNEXE A—continued

Item	Classification
c. Validation Aids .. ..	Complete—Confidential Singly—Unclassified (cover should contain a suitable warning)
d. SOAP Review Sheets (SRS) and SOAP Review Variation Sheets .. ..	Unclassified
5. NAVEST II	
a. Summary of Assembly Identification Designators .. ..	Unclassified
b. RANSAL Index Part I Section A .. ..	Confidential
c. RANSAL Index Part I Section B .. ..	Confidential
d. Part II APLs .. ..	Unclassified
e. Part II OALs .. ..	Unclassified
f. Part 3 Alternate Number Cross Reference to Stock Number .. ..	Unclassified
g. Validation/SOAP Variations .. ..	Unclassified
h. Pseudo Code Report .. ..	Unclassified
i. Assemblies by Application Designator Report .. ..	Unclassified
j. Assemblies by Outfit Group Designator Report .. ..	Unclassified
k. Listing of all Assemblies Comprising an Equipment System .. ..	Confidential
l. Dispositions and Assemblies Report .. ..	Unclassified
m. Classified Assemblies Report .. ..	Confidential
n. Assemblies by Supply Management Code Report .. ..	Confidential
o. Assemblies by Status Report .. ..	Unclassified
p. Parts by Special Category Item Code Report .. ..	Unclassified
q. Characteristics Report .. ..	Unclassified
r. Ship by Prime Manuals Report .. ..	Unclassified
s. Equipment List Report .. ..	Unclassified

(N455/5/5)

## AMENDMENTS

## RESTRICTED

## 72/75—Australian Standard Materiel Issue and Movement Priority System (AUSMIMPS)

1. The purpose of this Navy Order is to draw to the attention of those concerned the use of Form SD18, Total Dues Cancellation or Type Change (DCTC) in addition to, or as a substitute for, Form SX34, Dues Amendment or Cancellation (DAC) when the need arises to amend the Priority Designator after the entry of a demand to the system. Form SD18 (DCTC) is only to be used when amending the PD for either all demands on a specific Supply Depot(s) or, for all demands on all Supply Depots.

2. Accordingly, Paragraphs 34a (1) (b) and 34b of Navy Order 375/73 are to be amended as follows:

a. 34a (1) (b) delete and insert the following:

(b) for changes which do not justify EDP by-pass procedures, Form SX34, DAC, or Form SD18, DCTC, is to be prepared to amend the Priority Designator and input to EDP as follows:

## (1) Form SX34, DAC

- insert registration details in the normal manner.
- insert Item Sequence No, Class, Catalogue No and UI of the item being changed.
- insert the old and new Priority Designator in the 'Quantity' column expressed as a four digit number, eg, 1615 (the first two figures '16' being the old PD and the last two '15' the new PD). It is important to show this as one number; a space or blank is not permitted between the two priority designators.
- insert 'New Due Code' 3. (This will indicate a change in the Priority Designator.)

## (2) Form SD18, DCTC

- insert registration details in the normal manner.
- insert Item Sequence No, Supply Depot Code and Consignee Code in the normal manner. If demands at all Supply Depots are required to be changed insert 'Ø' in the Supply Depot Code.
- insert '3' in the Mod Code Column. (This will indicate a change in the Priority Designator.)
- insert, in a new column which is to be added manually by a double broken line, the old and new Priority Designator, expressed as a four digit number, eg, 1514.

Annexe A details a correctly made out DCTC.

Note: The additional column is only to be added when the DCTC is being used to amend the PD.

b. 34b:

- (1) after 'Form SX34 (DAC)' insert 'or Form SD18 (DCTC)';
- (2) after 'DAC' insert 'or DCTC'.

3. ABR 4 will be amended.

(465/1/2066)

(Navy Order 375/73)

RESTRICTED

72/75—Amended Standard Material Issue and Movement Priority System (ADMINISTRATIVE)

The purpose of this Navy Order is to draw to the attention of those concerned with the use of Form 2018, Total Issue Calculation or Total Charge (TIC) in addition to or as a substitute for Form 2018, Data Amendment or Calculation (DAC) when the need arises to amend the Priority Designator after the issue of a demand to the system. Form 2018 (TIC) is only to be used when amending the PD for other all demands as a specific Supply Depot or for all demands as a Supply Depot.

2. Accordingly, Paragraphs 2a(1)(ii) and 2b of Navy Order 72/75 are to be amended as follows:

a. 2a(1)(ii) shall read as follows: (b) for charges which do not justify 2018, by issue procedure. Form 2018 (DAC) or Form 2018 (TIC) is to be prepared to amend the Priority Designator and refer to 2018 as follows:

- (1) When 2018 (DAC)
  - insert registration details in the second column;
  - insert form reference No. Class Catalogue No and III of the item being entered;
  - insert the old and new Priority Designator in the Quantity column preceded by a four digit number, eg. 0012 (the first two digits '12' being the old PD and the last two '0012' the new PD). It is important to show this as one number; a space is not to be inserted between the two Priority Designators.
- (2) When 2018 (TIC)
  - insert registration details in the second column;
  - insert form reference No. Supply Depot Code and Catalogue Code in the second column. If demands at all Supply Depots are required to be changed insert 'W' in the Supply Depot Code;
  - insert 'U' in the Mod Code Column. This will indicate a change in the Priority Designator.

Insert a dash in a new column which is to be added manually by a suitable feature in the old and new Priority Designator, preceded by a four digit number, eg. 0014. Amend a dash in a column which is to be added when the PD. The addition column is only to be added when the PD. is being used to amend the PD.

- 3. 2018 (1) New Form 2018 (DAC) issue to Form 2018 (TIC);
- (2) New Form 2018 (TIC) issue to Form 2018 (DAC).

3. AIR & WIL to amend.  
(Navy Order 72/75)  
(482/17066)

UNCLASSIFIED

73/75—Battle Honours for HMA Ships and Fleet Air Arm Squadrons

Navy Order 302/74 is to be amended as follows:

Paragraph 5, Lines 2 and 3:

delete 'be sent for storage to Garden Island Dockyard, where they are to be taken on Naval Store charge'; and  
insert 'be returned to the Superintending Victualling Stores Officer, Pyrmont, NSW, where they are to be taken on charge'.

(Navy Order 302/74) (N38/1/70)

UNCLASSIFIED

74/75—Introduction of NAVTEND—Accounting and Replenishment System for Use in Submarines and Small Vessels (Tenders)

Navy Order 346/73 is to be amended as follows:

Paragraph 4e:

After 'used' insert: 'once NAVTEND has been implemented in a vessel'.

(Navy Order 346/73) (400/1/3264)

UNCLASSIFIED

75/75—RAN Submarine Arm—Sailors—Conditions of Service

Navy Order 12/75 is to be amended as follows:

Paragraph 14, Signal Format reference A:

Insert as Navy Order reference '12/75'.

(Navy Order 12/75) (302/201/64)

UNCLASSIFIED

76/75—Revised Accounting and Replenishment System for Use in Small Vessels (Tenders) not Subject to NAVTEND

Navy Order 114/74 is to be amended as follows:

Paragraph 4:

Last line, after 'Account', insert: 'Lists of equipment also remain in use'.

(Navy Order 114/74) (400/1/3264)

UNCLASSIFIED

7475—Battle Honors for IMA Ships and Fleet Air Arm Squadrons

NAVY ORDER 30274 is to be amended as follows:

Paragraph 7, Lines 3 and 4:

delete the words "to (insert name of ship) and (insert name of ship)" and  
be added in their place, and  
to be referred to the Superintendent (insert name of ship)  
instead of the Commanding Officer, where they are to be taken on charge.

(NAVY ORDER 30274)

(NAVY ORDER 30274)

UNCLASSIFIED

7475—Introduction of NAVTEND—Accounting and Equipment

System for Use in Submarine and Small Vessels (Tables)

NAVY ORDER 34673 is to be amended as follows:

Paragraph 4:

After first insert: "The NAVTEND has been implemented in a vessel."

(NAVY ORDER 34673)

(NAVY ORDER 34673)

UNCLASSIFIED

7575—NAV Submarine Arm—Sailors—Conditions of Service

NAVY ORDER 1272 is to be amended as follows:

Paragraph 14, Signal Format reference A:

Insert as Navy Order reference 1272.

(NAVY ORDER 1272)

(NAVY ORDER 1272)

UNCLASSIFIED

7675—Revised Accounting and Equipment System for Use in Small

Vessels (Tables) not Subject to NAVTEND

NAVY ORDER 11474 is to be amended as follows:

Paragraph 4:

Let the word "Account" occur. List of equipment also remain in use.

(NAVY ORDER 11474)

(NAVY ORDER 11474)

HISTORIAN

RESTRICTED

ANOs 77/75-87/75



# AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,  
12 March 1975.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

A handwritten signature in cursive script, appearing to read 'J. Green', is written in dark ink.

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

RESTRICTED

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*No* *Title*

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Additional copies of Navy Orders may be readily obtained by:

- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 3461.



Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

77/75—Ceremonial—National Anniversaries and Festivals of Australia, Other Commonwealth Countries, United States of America and Asian Countries

1. Annexe A to this order is a table of important anniversaries celebrated in other Commonwealth countries, the United States of America and Asian countries in which HMA ships present may be requested to participate.
2. The dates on which HMA ships and Naval establishments are to dress ship on Australian national anniversaries, are given in RI Article 1239. In addition, ceremonial is observed on Anzac Day and Remembrance Day. Instructions for these days are given in RI Articles 1238, 1354 and 1355.
3. The information in Annexe A is given as a general rule only. Inquiry as to the correct procedure should be made beforehand.
4. Amendments or additions, which are considered necessary as a result of local experience, should be communicated to Navy Office.

Anniversary	Country	Observance	Remarks
4 January	Canada	St. John's Day	
11 January	Canada	St. Basile's Day	
20 January	Canada	St. Agatha's Day	
24 January	Canada	St. Elizabeth's Day	
30 January	Canada	St. Valentine's Day	
4 February	Canada	St. Blaise's Day	
11 February	Canada	St. Brigid's Day	
12 February	Canada	St. Agnes's Day	
14 February	Canada	St. Valentine's Day	
15 February	Canada	St. Lucy's Day	
17 February	Canada	St. Scholastica's Day	
18 February	Canada	St. Brigid's Day	
21 February	Canada	St. Agatha's Day	
22 February	Canada	St. Blasius's Day	
23 February	Canada	St. Agnes's Day	
24 February	Canada	St. Elizabeth's Day	
25 February	Canada	St. Agatha's Day	
26 February	Canada	St. Brigid's Day	
27 February	Canada	St. Agnes's Day	
28 February	Canada	St. Brigid's Day	
1 March	Canada	St. Joseph's Day	
2 March	Canada	St. Joseph's Day	
3 March	Canada	St. Joseph's Day	
4 March	Canada	St. Joseph's Day	
5 March	Canada	St. Joseph's Day	
6 March	Canada	St. Joseph's Day	
7 March	Canada	St. Joseph's Day	
8 March	Canada	St. Joseph's Day	
9 March	Canada	St. Joseph's Day	
10 March	Canada	St. Joseph's Day	
11 March	Canada	St. Joseph's Day	
12 March	Canada	St. Joseph's Day	
13 March	Canada	St. Joseph's Day	
14 March	Canada	St. Joseph's Day	
15 March	Canada	St. Joseph's Day	
16 March	Canada	St. Joseph's Day	
17 March	Canada	St. Joseph's Day	
18 March	Canada	St. Joseph's Day	
19 March	Canada	St. Joseph's Day	
20 March	Canada	St. Joseph's Day	
21 March	Canada	St. Joseph's Day	
22 March	Canada	St. Joseph's Day	
23 March	Canada	St. Joseph's Day	
24 March	Canada	St. Joseph's Day	
25 March	Canada	St. Joseph's Day	
26 March	Canada	St. Joseph's Day	
27 March	Canada	St. Joseph's Day	
28 March	Canada	St. Joseph's Day	
29 March	Canada	St. Joseph's Day	
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## ANNEXE A

## National Anniversaries and Festivals of Other Commonwealth Countries, The United States of America and Asian Countries

77/75

Date	Country	Anniversary	Practice of Country Where Known		Remarks
			Ships Dressed Overall	Fire Salute	
1 January ..	Japan .. South Vietnam	New Year's Day .. .. New Year .. ..	Yes —	— —	See Note 3
4 January ..	Burma ..	Independence Day .. ..	Yes	Yes (31 guns)	
15 January ..	Japan ..	Adults' Day .. ..	—	—	See Note 3
22 January ..	New Zealand	Local Anniversary Day in Wellington	Yes*	—	* At discretion of Senior Officer of RNZN present
26 January ..	India ..	Republic Day .. ..	Yes	Yes† (31 guns at noon)	† Ships outside India fire 21 guns at noon
29 January ..	New Zealand	Local Anniversary Day in Auckland	Yes*	—	* At discretion of Senior Officer of RNZN present
30 January ..	India ..	Indian Martyrs' Day .. ..	—	—	See Note 2
31 January ..	Nauru ..	Independence Day .. ..	—	—	
4 February ..	Ceylon ..	Independence Commemoration Day	Yes	Yes	
6 February ..	New Zealand Canada ..	New Zealand Day .. .. Accession of HM The Queen .. ..	— Yes	— —	
11 February ..	Japan ..	Foundation Day .. ..	Yes	—	
12 February ..	United States of America	Lincoln's Birthday .. ..	Yes*	(21 guns)	See Note 8. * Masthead flags only
Third Monday in February	United States of America	Washington's Birthday .. ..	Yes	Yes (21 guns at noon)	See Notes 8 and 9
1 March ..	Korea ..	(Samil Day) Independence Movement Day	—	—	See Note 4
2 March ..	Burma ..	Peasants Day .. ..	—	—	
12 March ..	Mauritius ..	Independence Day .. ..	—	—	
21 March ..	Japan ..	Vernal Equinox .. ..	—	—	See Note 3
23 March ..	New Zealand Pakistan ..	Local Anniversary Day in Otago .. .. Republic Day .. ..	Yes* Yes	— Yes† (31 guns)	* At discretion of Senior Officer of RNZN present † Only in Karachi
27 March ..	Burma ..	Resistance Day .. ..	Yes	—	
6 April ..	United States of America	Army Day .. ..	Yes*	—	See Note 8. * Masthead flags only
8 April ..	Thailand ..	Armed Forces Day .. ..	Yes	—	
13-15 April ..	Khmer Republic	New Year .. ..	—	—	
21 April ..	Canada ..	Birthday of H.M. The Queen .. ..	Yes	—	

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7

77/75

## ANNEXE A—continued

Date	Country	Anniversary	Practice of Country Where Known		Remarks
			Ships Dressed Overall	Fire Salute	
25 April ..	New Zealand	Anzac Day Anniversary of the New Zealand Army Corps landing at Gallipoli (1915)	No	No	Observed by a public holiday and ceremonies throughout New Zealand, and by New Zealand Government Missions and Armed Forces Overseas. Ceremonies are held annually in London, Edinburgh and Hong Kong, and other places outside New Zealand
29 April ..	Japan ..	Emperor's Birthday .. ..	Yes	—	See Note 3
3 May ..	Japan ..	Constitutional Day .. ..	Yes	—	See Note 3
5 May ..	Thailand ..	HM the King's Coronation Day ..	—	—	See Note 5. Public Holiday, no ceremonial by ships, public buildings fly Thai flag and are usually decorated for the event
5 May ..	Japan ..	Boys' Day .. ..	—	—	See Note 3
First Sunday in May	Canada ..	Battle of Atlantic Sunday ..	—	—	
Second Sunday in May	United States of America	Mothers' Day .. ..	Yes*	—	* Masthead Flags only
May ..	Canada ..	Victoria Day .. ..	Yes	Yes	See Note 6
22 May ...	Sri Lanka ..	Republic Day .. ..	Yes	Yes (25 guns)	(Gun salutes not fired at anchor in harbour)
Third Saturday in May	United States of America	Armed Forces Day .. ..	Yes*	—	* At discretion of Senior USN Officer present
Last Monday in May	United States of America	Memorial Day .. ..	—	Yes (21 minute guns starting at noon)	See Note 8
1 June ..	Western Samoa	National Day .. ..	Yes	—	
First Wednesday in June	Malaysia ..	The Birthday of HM DYMM Yang di Pertuan Agyong	Yes	Yes (21 guns at noon)	
2 June ..	Canada ..	Coronation of H.M. the Queen ..	Yes	—	
4 June ..	Tonga ..	Day of Tonga's entry into the Comity of Nations	—	—	
10 June ..	Canada ..	H.R.H. the Prince Phillip's Birthday	Yes	—	
12 June ..	Philippines ..	Independence Day .. ..	Yes	Yes	
14 June ..	United States of America	Flag Day .. ..	Yes*	—	See Note 8. * Masthead flags only
1 July ..	Canada ..	Dominion Day .. ..	Yes	—	21 gun salute at noon by shore battery
4 July ..	United States of America	Independence Day .. ..	Yes	Yes at noon	See Note 8

## ANNEXE A—continued

Date	Country	Anniversary	Practice of Country Where Known		Remarks
			Ships Dressed Overall	Fire Salute	
4 July	Tonga	National Day and King's Birthday	Yes	Yes (21 guns)	
17 July	Korea	Constitution day	—	—	See Note 4
19 July	Burma	Arzani Day	—	—	
20 July	Japan	Marine Memorial Day	Yes	—	See Note 3
26 July	Republic of the Maldives	National Day	Yes	—	
4 August	Canada	H.M. the Queen Mother's Birthday	Yes	—	
9 August	Singapore	National Day	Yes	—	
12 August	Thailand	HM the Queen's Birthday	Yes	Yes (21 guns at noon)	See Note 5
14 August	Pakistan	Independence Day	Yes	—	
15 August	India	Liberation Day	Yes	Yes* (31 guns at noon)	* Gun salutes are not fired at ports outside India

15 August	Korea	Independence Day	—	—	See Note 4
17 August	Indonesia	Proclamation of Independence	Yes	Yes	
31 August	Malaysia	Malaysia Day	Yes	Yes (21 guns at noon)	
6 September	Pakistan	Defence of Pakistan Day	Yes	—	
11 September	Pakistan	Quaid ie-E-Azam (Death Anniversary)	No	No	Half Mast Colours
First Monday in September	United States of America	Labour Day	—	—	See Note 8
15 September	Japan	Respect to Aged Day	—	—	
17 September	United States of America	Constitution Day	Yes*	—	See Note 8. * Masthead flags only
23 September	Japan	Autumnal Equinox Day	—	—	Date is variable between 21–23 Sept.
September	Japan	Fleet Review	Yes	No	Date varies annually to meet local requirements
26 September	Sri Lanka	S.W.R.D. Bandaranaike Memorial Day	—	—	
26 September	New Zealand	Dominion Day	Yes*	—	* At discretion of Senior Officer of RNZN present
1 October	China	National Day	—	Yes (21 guns)	
	Korea	Armed Forces Day	Yes	—	Ships dress, no salute
3 October	Korea	National Foundation Day	—	—	See Note 4

Date	Country	Anniversary	Practice of Country Where Known		Remarks
			Ships Dressed Overall	Fire Salute	
5 October ..	Indonesia ..	Armed Forces' Day .. ..	Yes	—	
10 October ..	Fiji ..	Cession Day .. ..	Yes	No	See Note 7
10 October ..	Japan ..	Physical Fitness Day .. ..	—	—	Date is variable
Second Monday in October	United States of America	Columbus' Day .. ..	Yes*	—	See Note 8. * Masthead flags only
26 October ..	South Vietnam	National Fete of the Republic ..	Yes	Yes	
27 October ..	United States of America	Navy Day .. ..	Yes*	—	See Note 8. * Masthead flags only
1 November ..	Japan ..	Self Defence Forces Day .. ..	Yes	—	
1 November ..	Vietnam ..	National Day .. ..	Yes	—	
3 November ..	Japan ..	Cultural Day .. ..	Yes	—	See Note 3
Fourth Monday in October	United States of America	Veterans' Day .. ..	Yes*	—	See Note 8. * Masthead flags only
11 November ..	Canada ..	Remembrance Day .. ..	—	—	Flags half-masted 0800 hrs—1120 hrs

23 November ..	Japan ..	Labour Thanksgiving Day .. ..	—	—	See Note 3
4th Tuesday in November	United States of America	Thanksgiving Day .. ..	Yes*	—	See Note 8. * Masthead flags only
5 December ..	Thailand ..	HM the King's Birthday .. ..	Yes	Yes (21 guns at noon)	See Note 5 ships dress overall on 5, 6, 7 December
9 December ..	Tanzania ..	Independence and Republic Day ..	—	—	
10 December ..	Thailand ..	Constitution Day .. ..	Yes	—	See Note 5 ships dress overall on 9, 10, 11 December
12 December ..	Kenya ..	Republic Independence Day .. ..	—	—	
16 December ..	New Zealand	Local Anniversary Day in Canter- bury	Yes*	—	* At discretion of Senior Officer of RNZN present
25 December ..	Pakistan ..	The Quaid-I-Azam's Birthday (Birth- day of Mr M. A. Jinnah, The Founder of Pakistan)	Yes	—	
	South Vietnam	Christmas .. ..	—	—	
‡	Pakistan ..	Id-e-Milad-UI-Nabi (Birthday of the Holy Prophet Mohammed)	Yes	—	‡ Date variable, depending on ap- pearance of the moon
30 December ..	Philippines ..	Rizal Day .. ..	—	—	
Miscellaneous ..	Burma ..	National Day .. ..	Yes	No	See Note 1

## Notes—

1. Burma—'National Day' is fixed each year.
2. India—  
At 1100 on 30 January all officers and men in IN ships and establishments stand up, wherever they may be, and observe complete silence for two minutes.  
At a memorial service to Mahatma Gandhi held at Rajghat an Indian Interservices Guard of Honour will be paraded.
3. Japan—Gun salutes are not at present fired by ships of the Maritime Self Defence Force or by Shore Batteries. The problem of firing salutes is at present under review.
4. Korea—No precise regulations for the observance of these occasions by the Korean Navy have yet been laid down. It would probably be appropriate to dress ship overall, but prior consultation with local authorities would be desirable.
5. Thailand—Ships are to dress with masthead flags when they are under way in the vicinity of an anchorage on occasions when ships in port dress overall.
6. Canada—Celebrated on the Monday preceding the 25 May.
7. Fiji—It is appropriate on this day to dress ship when in any Fijian port.
8. USA—When any anniversaries occur on a Sunday, the ceremonies are postponed until the following day.
9. Panama—The main Panamanian anniversaries are 3 and 28 November. These holidays are not observed in the Canal Zone. Ships in port or in transit should not therefore dress ship.  
The Canal Zone authorities observe United States national holidays, eg, 22 February, 30 May and 4 July. Naval vessels normally dress overall but gun salutes are fired only from shore batteries.

(12/201/22)

## UNCLASSIFIED

**78/75—Naval Agent for Derby and Adjacent Area**

The Sub-Collector of Customs at Derby, Western Australia (Mr J. LEAHY) has been appointed as Naval Agent for Derby and the adjacent area. The following particulars are relevant:

Business Address	.. ..	PO Box 179, Derby, WA 6728 Telephone Derby 231
Private Address	.. ..	Blythe St, Derby, WA 6728 Telephone Derby 284
Telegraphic Address	.. ..	Sub-Collector of Customs, Derby, WA 6728 (N27/1/2)

## UNCLASSIFIED

**79/75—Precautions to be Observed to Prevent Fires in Ships and Floating Equipment Under Repair or Refit at HMA Naval Dockyards and Contract Dockyards****Welding, Burning and Heating Operations**

1. The provisions and requirements of this order are promulgated for action by Dockyard Officers and ships staff when welding, burning or heating operations are carried out on board.
2. The Marine Engineer Officer of ships in commission is responsible directly to his Commanding Officer for the safety of welding, burning or heating operations and is the direct liaison with Dockyard Officers.
3. A large percentage of the outbreaks of fire in HMA ships and craft result from welding, burning or heating operations and reports show that these fires are generally due to inadequate precautions.
4. The fire hazard in ships in dockyard, particularly ships under repair or refit is high. The major problems which differ from the normal fire prevention and fire fighting measures when a ship is at sea are:
  - a. the introduction into the ship of tasks involving the use of:
    - (1) open flames, eg, cutting, burning and welding operations,
    - (2) low flash point liquids and other substances such as adhesives,
    - (3) other materials of a combustible nature and which may approach those in (2) above;
  - b. the inevitable accumulation of waste and scrap materials;
  - c. the 'inert' state of the ship which may decrease or even inactivate the efficiency of built-in fire protection equipment;
  - d. the absence of many of the ship's company on leave, posting or attending courses; and
  - e. the presence on board of large numbers of dockyard or other civilian labour, whose safety in the event of a fire must be considered. They are likely to be unfamiliar with the ship, as will be newly joined ships personnel, and therefore, may be more easily trapped.

**HMA Naval Dockyards**

5. The following instructions are to be observed by all those concerned with the repairs and refits in HMA ships, and ships under Naval administration:

- a. The appropriate Dockyard Officer or Foreman is to give adequate notice to the Marine Engineer Officer, or his representative, in writing on Form TG110 before any intended welding, burning or heating work is carried out by either dockyard or contract personnel. For ships not in commission the Form TG110 is to be presented to the person nominated by the custodian.
- b. All flammable materials including paint, stores, dunnage, packing material, oil in bilges, rubbish, etc, in the vicinity of the welding, burning or heating operation are to be removed. The ship is responsible for ships articles and refuse, and the dockyard for articles and refuse which are products of the repair or refit.
- c. All compartments, piping and trunking adjoining that in which welding, burning or heating is to be carried out are to be thoroughly examined by the Marine Engineer Officer or his representative, together with the Foreman, and any combustible material is to be removed. This includes the removal from bulkheads or decks of any paint or similar coatings, whether wet or dry, which are likely to cause a fire hazard. Such bulkhead or deck preparation will be carried out by dockyard personnel under the direction of Dockyard Officers in charge of welding. Adjoining in this context means 'on the other side of' the bulkhead or ships' sides, or 'directly above or below' the deck or compartment where welding, burning or heating is to take place.
- d. The access covers or hatches of any closed compartment such as tanks, watertight compartments, etc, are to be opened and the compartment is to be ventilated and certified as gas free. The work of ventilating the compartment and obtaining the gas-free certificate, is the responsibility of ships officers.
- e. Electrical cables and fittings in the vicinity of an intended welding, burning or heating operation are liable to damage from flying spots of molten metal, or direct heat. They are to be moved clear or completely covered by damp asbestos or other protective material. Those cables fixed to the other side of a bulkhead or deck are to be moved clear, and suitably protected to avoid damage due to heat. In this connection it is necessary to emphasise that PYROTENAX cable is easily mistaken for copper piping and when any doubt exists confirmation is to be obtained from the ships Marine Engineer Officer or his representative.
- f. Sentries with 'First Aid' fire fighting equipment are to be stationed in the space when the burning or welding is taking place and additional sentries are to be stationed in adjoining compartments if applicable. (See Paragraph 10.)
- g. A member of ships staff is to make rounds of the compartments and adjacent spaces one hour after the welding or burning has been completed to ensure materiel has properly cooled.

**Responsibility**

6. Commanding Officers are responsible that an efficient organisation is available for dealing with fires, for ensuring that the necessary fire precautions are carried out and that the necessary liaison exists.

7. When forming the fire organisation, in addition to the major problems set out in Paragraph 4, consideration should also be given to the following:

- a. In ships where an officer is not specifically posted for NBCD duties, nominating an officer to act as Refit Liaison/Fire Prevention Officer. This will assist the MEO who is normally fully occupied with other refit problems.
- b. Establishing a Fire and Welding Control Centre. In large ships this is normally HQ1 but in ships where HQ1 is part of the Combined Technical Office, another location could prove more suitable, providing the communication arrangements are adequate.
- c. The organisation of burning and welding sentries to conform to dockyard working hours.
- d. Regular fire rounds by nominated senior sailors.
- e. Keeping HQ1 informed of doors, hatches, etc, that are unable to be used, those hatches from which ladders have been removed, and other instances where normal routes are blocked.
- f. Regular testing of fire fighting equipment.
- g. The institution and regular testing of a standardised fire alarm.
- h. Escape routes.

**Welding, Burning or Heating of Pipes**

8. Welding, burning or heating operations are normally entirely prohibited on pipes in place which have been in service. Where it is not possible to remove a pipe before welding, burning or heating, the ships Marine Engineer Officer or his representative is to be informed and his decision given before work is commenced. Pipes which normally carry water, eg, drains, are not to be assumed free from risk and should be taken down before welding, burning or heating. Similarly pipes or tubes provided for sounding or venting must be adequately protected to prevent the ignition of flammable vapours.

**Machinery Spaces**

9. Particular care should be taken when welding, burning or heating operations are required in machinery or other spaces where the possibility of the presence of oil increases the necessity for special precautions. No pipe lines in the same compartment, which carry flammable liquids, are to be broken during the course of welding, burning or heating.

**Provision of Fire Fighting and Associated Equipment**

10. The ship is to provide the 'First Aid' fire fighting equipment listed below in the vicinity of the welding, burning or heating operation, together with the necessary trained personnel to operate it. No welding, burning or heating is to take place before the arrival or after the departure of the ships personnel:

- a. (1) 2 x 2 gallon gas/water extinguishers Pattern 4210-99/129/5842, charged and in readiness

OR

- (2) 2 x 2 gallon air/foam extinguishers, Pattern 4210-66-066-1909 if there is the slightest risk from flammable liquid.

Note: In DDGs 2 x 15 lb CO<sub>2</sub> extinguishers Pattern 4210-00-203-0217 may be provided in lieu.

- b. Fire extinguishers for use by Burning and Welding Sentries are to be placed in a central controlled dump. These extinguishers are to be drawn on temporary loan from Naval Stores, additional to the ships allowance, and only be used for burning/welding operations.
- c. DB fans are to be provided solely for smoke clearance purposes and be supplied with sufficient ducting and lead to enable their use in areas remote from power supplies.
- d. During the refit/repair period, a C2000 Self Contained Breathing Apparatus with locker is to be located in the vicinity of the quarter-master. This equipment is to be inspected daily by the ship to ensure it will operate efficiently if required.
- e. Marker lines are to be placed in the immediate vicinity of gangways in use and run to the scene of any fire reported. Should Naval Police or civilian fire brigade assistance be required, the marker lines will enable them to reach the fire area more quickly.

11. The dockyard employee is to provide a damp asbestos sheet of suitable size to prevent the spread of sparks.

#### Gasoline Storage Tanks and Gasoline Tank Compartments

12. The special precautions to be observed are laid down in BR 1754 (1968). (Safety Regulations for Storing and Handling Petroleum, Oils and Lubricants, etc).

#### Co-operation

13. The closest co-operation is to be maintained between the relevant Dockyard Officers, shipyard officials, overseers, ships officers and others responsible in order to ensure that all possible precautions are taken.

#### Contract Dockyards

14. a. (1) Local contract dockyards:

The foregoing instructions apply equally in local contract dockyards and it is the duty of the overseeing officer to provide Forms TG110 and to ensure that the contractor is aware of his responsibilities.

(2) Overseas dockyards:

In overseas dockyards where HMA ships are repairing or refitting the Commanding Officer is to draw the attention of the dockyard officials to the necessity for closest co-operation with ships officers in the matter of fire precautions and the need to establish a good liaison with the local Fire Authority.

- b. In any case no welding, burning or heating is to be undertaken within the ship by contractors without the written permission of the ship's Marine Engineer Officer or his representative.

#### Authority to Carry Out Work

15. Foremen are to ensure that all employees are acquainted with the above instructions before permitting them to handle welding, burning or heating equipment.

#### Floating Equipment

16. Similar precautions to the above are to be observed in docks, caissons, pontoons, etc, where welding, burning or heating operations are carried out. It is the responsibility of the officer in charge of the docks, caissons, etc, that adequate fire fighting services are immediately available during the welding, burning or heating.

17. The General Manager, Garden Island Dockyard, and the General Manager, Williamstown Dockyard, are to issue instructions embodying the foregoing and delineating responsibilities within their own organisations. These instructions should also clearly define the interface between dockyards and ships alongside in order that no doubt remains as to the responsibility of either.

18. Further information may be obtained from BR 2171 Volume 2 Part 4 Chapter 14 Section V (or from the appropriate Section of BR 2170 Volume 2, when promulgated for use in the RAN).

19. Navy Order 448/71 is hereby cancelled.

(464/70/330)

(Navy Order 448/71)

## UNCLASSIFIED

### 80/75—RAN Hydraulic Systems Committee Terms of Reference and Membership

1. A requirement exists in the RAN to provide standards for hydraulic systems and associated fluids and lubricants. The aim is to improve reliability and performance, reduce maintenance and simplify logistic support.

2. Approval has been given to the formation of an RAN Hydraulics Systems Committee. The terms of reference are shown in Annexe A to this order.

#### Responsibility

3. The RAN Hydraulic Systems Committee is responsible for the investigation of problem areas in hydraulic systems, associated fluids and lubricants and for recommending necessary action to the Naval Board. The responsibility for taking executive action on the recommendation lies with the Directorate concerned.

#### Operation

4. To enable the RAN Hydraulic Systems Committee to operate effectively, it is important that:

- a. the Committee be informed of the problems encountered with service equipment. No change to existing reporting procedures is required and Forms TM145, TM179 and written reports will be directed to Committee representatives by internal action at Navy Office;
- b. Naval authorities, HMA ships and submarines be visited by Committee members as necessary to facilitate investigations of problems encountered; and
- c. authorities concerned give every assistance to members of the Committee.

#### Exchange of Information

5. The RAN Hydraulic Systems Committee is to take note of advances in technologies and to disseminate all applicable information as widely as possible, consistent with security regulations, so that unnecessary duplication of effort is avoided. To do this the Committee will:

- a. provide a liaison link with MOD (Navy) UK, United States Navy, Canadian Armed Forces (Sea), Royal New Zealand Navy and other expert groups;



- b. forward minutes of its meetings, reports or appropriate extracts to interested parties; and
  - c. collect, interpret, evaluate and utilise data received from overseas authorities, research establishments or any other source.
6. Navy Order 92/72 is hereby cancelled.

#### ANNEXE A

##### RAN Hydraulic Systems Committee Constitution

###### Membership

###### Representatives of:

The Director-General Dockyards and Maintenance (Chairman)	(DGDM)
The Director-General Naval Design .. .. .	(DGND)
The Director of Naval Quality Assurance .. .. .	(DNQA)
The Director of Naval Aircraft Engineering .. .. .	(DNAE)
The General Manager Garden Island Dockyard .. .. .	(GMGID)
The General Manager Williamstown Dockyard .. .. .	(GMWD)
The Flag Officer Commanding Her Majesty's Australian Fleet	(FOCAF)
The General Overseer and Superintendent of Inspection, East Australia Area	(GOSIEAA)
Materials Research Laboratories (Fuels and Lubricants Group) Australian Petroleum Industry	(MRL)
A Secretary from the Directorate of Naval Quality Assurance.	

GMGID will be represented by the Weapons Group, Mechanical Group and the Dockyard Laboratory dependent upon agenda items.

GMWD will be represented by the Weapons Group and the Mechanical Group dependent upon agenda items.

###### Terms of Reference

- a. To provide a central source of technology on hydraulic systems and associated fluids and lubricants.
- b. To consult, advise and disseminate information to authorities on all matters concerning hydraulic systems and associated fluids and lubricants.
- c. To recommend and advise on policies and standards for design, installation, maintenance and operation of hydraulic systems.
- d. To initiate laboratory evaluations and service trials of selected materials or products to assess their suitability for naval service.
- e. To liaise with MOD (Navy) UK, United States Navy, Canadian Armed Forces (Sea), Royal New Zealand Navy and other expert groups (Service and Non-service).
- f. To recommend, subject to appropriate financial approvals, the use of expert personnel (where necessary, from outside the Department) to assist working parties in the investigation of specific problems.
- g. To report annually to Chief of Naval Technical Services.

(8/1/187)

(Navy Order 92/72)

## RESTRICTED

### 81/75—XEROX Reprographic Machines—Security Risk

1. Certain security risks may result from the use of the XEROX 660 and 4000 reprographic machines.

2. Cases have occurred where unwanted ghost copies have been produced by the malfunctioning of the image removal system. This system consists of the horizontal strip of plastic material suitably mounted and weighted so that its leading edge rests on the surface of the drum. The plastic strip can be deliberately repositioned, or through fair wear and tear become ineffective.

3. Users of these machines in ships and establishments are to watch for any sign of ghost reproduction. If this occurs the machine requires servicing.

(3610/1/14)

## Section 2

### PERSONNEL

## UNCLASSIFIED

### 82/75—Loan of RNZN Sailors to the RAN

#### Agreement Under which Royal New Zealand Navy Sailors Undertake Loan Service in the Royal Australian Navy

1. The following are terms of service contained in the agreement:

- a. *Period of Loan Service.* The periods of loan service will be for two or three years. This period covers passage time and all leave due in respect of loan service including Overseas Drafting Leave prior to departure from New Zealand and Overseas Leave on return to New Zealand.
- b. *Application of RNZN Regulations and Orders.* Where Commanding Officers require information regarding any entitlement, forfeiture, or other matter governed by RNZN regulations, reference should be made to the RNZNLO, Canberra, through Department of Defence (Navy Office). Inquiries should be accompanied by service documents where appropriate.
- c. *Service Documents.*
  - (1) On commencement of loan service, service documents are forwarded to the Department of Defence (Navy Office) through RNZLO, Canberra.
  - (2) On completion of loan service, service documents other than pay account cards, are to be returned to the Deputy Secretary of Defence (Navy), Navy Office, Wellington, New Zealand. Pay Account cards are to be furnished to DNA, Melbourne.
  - (3) In the event of a sailor being released in Australia, a report giving the discharge details is to be forwarded to Navy Office, Wellington, New Zealand.

d. *Passages.*

- (1) Passages for RNZN loan personnel to and from Australia and for their families are by the most economical means which may be by commercial air, commercial sea services or by aircraft draft to HMNZ or HMA ships or transports as may be appropriate. Travel by commercial means will be at class appropriate to equivalent RAN sailors.
- (2) Removals in New Zealand are arranged in accordance with RNZN regulations.
- (3) Removal on arrival in Australia. Where a married accompanied sailor proceeds to Australia for loan service, he is to submit an application through his Commanding Officer to Department of Defence (Navy Office) (Info NOC local Australian area) for a removal from ships side at port of disembarkation in Australia to his place of residence as early as practicable, prior to his departure for Australia. The actual removal of baggage will then be handled through official channels. The sailor will be met on arrival and private arrangements for baggage removal should not be made.
- (4) (a) Dependent children remaining at school in New Zealand and those attending University full time up to the age of 21, may be permitted to visit their parents once, during a normal two year period, or twice during a three year period at public expense.  
(b) Service aircraft will be used for the conveyance of such dependants whenever this may be arranged. Where Service transportation is not available the entitlement will be a students concession fare commercial air passage.  
(c) Any necessary vaccinations or inoculations for children visiting their parents under the provisions of this scheme may be permitted at public expense.  
(d) Applications for passages under (b) above should be submitted by personnel concerned to their Commanding Officers who will refer them through Department of Defence (Navy Office) to RNZNLO, Canberra, for onward transmission to DSD (Navy), Wellington. Applications should be raised in sufficient time to ensure that they arrive in Navy Office, Wellington, not less than four weeks before the date of the passage from New Zealand is required.
- (5) Application for family passages by loan personnel should be forwarded to the NZNB for forward passages and Department of Defence (Navy Office) for return passages, who will arrange passages for the family as early as practicable. Where the family does not accompany the sailor the family passage will be arranged so that they arrive in Australia after the sailor.
- (6) Should a sailor:
  - (a) marry whilst in Australia;
  - (b) elect not to avail himself of the family return passage entitlement; or
  - (c) die whilst serving with the RAN;
 the regulations in RNZN Regulations and Instructions Article 17/7, Paragraphs 8 to 11, will apply.

e. *Accommodation.*

- (1) Loan personnel are eligible for accommodation owned or hired by the Commonwealth authorities under the same rules and rates as RAN personnel.
- (2) (a) Loan personnel requiring private rented accommodation may request assistance from RAN Billeting Officers on the staff of the Flag and Naval Officer-in-Charge of the State in which they will reside. (This will be governed by ship or establishment to which posted.)  
(b) Sailors who have been granted approval for family passages are normally appropriated to a shore establishment for at least fourteen days after the arrival of their families in order that suitable arrangements for accommodation may be made.

f. *Uniform.* No alteration to uniform is required for service in the RAN.

g. *Medical and Dental Instructions.*

- (1) Medical documents are forwarded to the Department of Defence (Navy Office). On completion of loan service, medical documents are to be returned to RNZNH, Devonport Naval Base, Auckland, for disposal.
- (2) Benefits will be in accordance with RNZN regulations (NPRI 1253) for personnel and their dependants but wherever possible treatment or services should be obtained from Service sources through facilities available under Australian or State laws.
- (3) Claims showing full details and accompanied by receipted bills, should be sent to the Director General of Naval Health Services, Navy Office, Melbourne, under confidential cover, for authorisation of reimbursement.

h. *Command and Discipline.* During the period of loan service, sailors of the RNZN, having been attached to the Naval Forces of the Commonwealth under Section 24 of the Defence (Visiting Forces) Act 1963, are, by virtue of that section, subject to the laws governing the RAN in relation to command and discipline, as if they were members of the RAN of like rank and status. This includes the provisions of those laws relating to arrest, the trial and punishment of offences, and the provisions for forfeiture of pay for absence without leave and the consequential naval penalties incurred as a result of conviction by civil power.

i. *Good Conduct Badges, LS and GC Medal and Gratuity.*

- (1) Award and restoration of Good Conduct Badges in accordance with RNZN regulations.
- (2) Deprivation of Good Conduct Badges in accordance with RAN regulations for deprivation of Good Conduct Increments.
- (3) Application for award of the Long Service and Good Conduct Medal and for payment of gratuity is to be made to NZNB through Department of Defence (Navy Office) and RNZNLO, Canberra, in accordance with RNZN Rules (RNZN Liability).
- (4) Payment of the gratuity will be made by the Deputy Secretary of Defence (Navy), Navy Office, Wellington, New Zealand. (If payment is approved New Zealand tax will be deducted at source and the net amount remitted for payment (paid direct) to the sailor concerned.)

- j. *RNZN Engagement and Re-engagement.* Re-engagement for further service in the RNZN may be made during loan services in accordance with current RNZN regulations.
- k. *Termination of Engagement.* Discharge from the Service either as a punishment or for any other reason will not be ordered without the concurrence of the New Zealand Naval Board.
- l. *Recognition of Loan Service by RNZN.* Loan Service with the RAN will be recognised for all purposes as service in the RNZN.
- m. *Promotion.*
- (1) Except as otherwise indicated in the terms of agreement, the rules regarding promotion, reversion and re-promotion will be in accordance with RNZN regulations.
  - (2) Command and/or Professional examination applications are to be forwarded to the Commodore, Auckland, through Department of Defence (Navy Office) in accordance with RNZN regulations.
  - (3) Personnel Evaluation Forms for completion and return will be forwarded by the Personnel Research Unit, Navy Office, Wellington, as required.
  - (4) Qualifications obtained whilst on loan will not necessarily be recognised for promotion purposes in the RNZN. The Director of Training, Navy Office, Canberra, and the New Zealand Naval Board are to be advised by letter of RAN qualifications obtained by RNZN sailors on loan to the RAN.
  - (5) *Roster Advancement.*
    - (a) Sailors will remain on the appropriate RNZN Promotion Roster and subject to being fully qualified and recommended will be eligible for promotions under the normal rules, provided the higher rank is required by the RAN.
    - (b) If the higher rank is not required by the RAN, the man will continue to serve in the lower rank until reversion to the RNZN. Provided he remains eligible and recommended at the top of the roster the man will be promoted with effect from the first day of reverting to the RNZN.
  - (6) Local Acting Promotion will not be available to men on loan to the RAN. But see (o.) (3) re Higher Duties Allowance.
- n. *Leave.*
- (1) All leave due for service in the RNZN is completed prior to commencement of loan service. Similarly, all leave due for service in the RAN is to be taken within the period of loan service.
  - (2) Long leave including PAL, Compassionate Leave, Overseas Drafting Leave, Overseas Leave, Sick Leave, LWOP and Travelling Time is to be granted at the scales laid down in RNZN Regulations and Instructions Chapter Nine.
  - (3) Short Leave will be granted in accordance with RAN regulations.
  - (4) Travel Warrants for leave taken in New Zealand may be issued in accordance with RNZN regulations. For leave taken in Australia RNZN Loan Personnel may be granted leave travel concessions in accordance with RAN regulations.

o. *Pay and Allowances.*

- (1) All RNZN sailors on loan service in the RAN will be paid pay and allowances at RNZN rates and in accordance with RNZN regulations unless stated otherwise in the following sub-clauses. The main items payable in accordance with RNZN regulations are:
  - (a) Basic Pay and Progressive Pay (Chapter 3 NZBR 25—NPRIs).
  - (b) Marriage Allowance (NPRI 151-152 and 154).
  - (c) Widowers Allowance (NPRI 155).
  - (d) Separation Allowance (NPRI 153).
  - (e) Good Conduct Badges Pay (NPRI 306).
  - (f) Kit Upkeep Allowance (NPRI 501).
  - (g) Grog Money (NPRI 301).
  - (h) Rations and Quarters Allowance (NPRI 351).
  - (i) Lodging Allowance (NPRI 353).
  - (j) Location Allowances (detailed in Sub-clause (5)).
- (2) *Extra Pay and Compensatory Allowances* credited during loan service will, in the following cases, be at RAN rates in accordance with RAN regulations:
  - (a) allowances for the performance of a particular duty, eg, diving;
  - (b) allowances of a compensatory nature, eg, Hard Lying Money, Double Bottoms Pay and Meal Allowance.
- (3) *Higher Duties Allowance.* The rate of Higher Duties Allowance will be the difference between the RNZN rate of active pay for the rating held and the RNZN rate payable as the 'On promotion' rate for the next higher rank.
- (4) Hospital Stoppages will be in accordance with RNZN regulations (NPRI 19).
- (5) Location Allowances will be paid under the provisions of Chapter Nine of NPRIs and at the rates promulgated in Defence Office Determinations as amended from time to time in respect of:
  - (a) Personal Location Allowance (NPRI 417).
  - (b) Overseas Rentals (NPRI 415).
  - (c) Rent Standards (NPRI 415).
  - (d) Child Allowance (NPRI 418).
  - (e) Overseas Transfer Grant (NPRI 429).
  - (f) Home Transfer Grant (NPRI 430).
  - (g) Overseas Separation Allowance (NPRI 428).
- (6) Education Allowance will not be payable. Free education is available in Australian State Schools and fees will not be refunded if children are sent to private schools in preference. RNZN personnel on loan may be reimbursed up to an amount of \$40 per annum for charges incurred at state or private schools in Australia in respect of their dependent children for books, equipment, stationery, library and for sports which are part of the school curriculum. Applications for reimbursement are to be supported by receipts or headmasters certificates as appropriate and forwarded through the Commanding Officer to the Director of Navy Accounts, Melbourne.

(7) Personnel married in Australia or accompanied at own expense will be entitled to allowances in accordance with RNZN regulations subject to any modification contained in the agreement.

p. *Allotments.* The provisions of Chapter XIII of RNZN NPRIs will continue to apply subject to the following:

(1) During the period of loan service allotments may be declared for payment in Australia or New Zealand, provided the requirements of NPRI Article 605 are complied with.

(2) All allotments are stopped prior to commencement of loan service. If their commencement is required, new declarations should be made in accordance with the RAN procedure after arrival in Australia.

(3) All allotments in force during loan service are to be stopped prior to reversion to the RNZN. New declarations should be made on return where applicable. Allotments payable in Australia cannot be recommended.

(4) During loan service the payment of allotments both in New Zealand and Australia will be arranged by Department of Defence (Navy Office) at intervals prescribed by RAN regulations.

(5) Commission charges, if any, will be as prescribed in RAN regulations.

q. *Superannuation.* Contributions are not payable on Higher Duties Allowance. Personnel will continue to contribute to the Government Superannuation Fund in accordance with the normal scale (RNZN NPRIs Chapter XXIV).

r. *Taxation.* All RNZN personnel on loan service in the RAN are subject to Australian Income Tax and Social Service Contributions as may be prescribed from time to time by the Australian Government. Double taxation relief can be claimed for any tax paid to the Australian Government on remuneration which is also charged to New Zealand tax.

s. *Travelling Expenses and Allowances.*

(1) At the commencement and cessation of loan service, expenses incurred by personnel proceeding to and returning from Australia will be in accordance with RNZN regulations. This includes accommodation expenses both in New Zealand and Australia, insurance and sea or air travel allowance (NPRI Articles 758, 761, 762 and 202 are relevant). Loan personnel are entitled to an overseas Transfer Grant on arrival in Australia which is intended to cover settling-in expenses, including clothing, furnishings and various incidental expenses. A Home Transfer Grant covers the same expenses on return to New Zealand. NPRI 429 and 430 refer.

(2) During loan service, travelling expenses and removal expenses incurred other than at (1) above, will be paid at RAN rates in accordance with RAN regulations for both sailors and families where applicable.

(3) Refund of estate agents fees and legal expenses—RNZN NPRI Articles 770 and 772 will be applicable in the selling or purchasing of a house in New Zealand.

(4) Storage of furniture and effects in New Zealand will be in accordance with NPRI Article 753.

2. RNZN loan sailors will be subject to the normal RAN sea/shore roster conditions and will be employed, as required, in RAN billets in lieu of RAN sailors, ie, for employment purposes they will be no different from RAN sailors.

### Pay Accounting Arrangements

3. Pay Account Cards are to be opened in the establishment to which RNZN personnel are posted on arrival in Australia. Details of initial entitlement to the various components of pay and allowances will be advised by the New Zealand authorities direct to the establishment concerned, a copy of the advice being forwarded to Navy Office. Rates of pay in respect of subsequent variations to entitlements which arise will be advised from Navy Office. One time adjustments in respect of items of a compensatory nature, eg, Tropical Pay, Confined Spaces Allowances, etc, may, however, be credited in the normal manner at RAN rates without reference to Navy Office.

4. Members will be entitled to credit of all pay and allowances in New Zealand currency and under New Zealand conditions which provide that RNZN personnel overseas (other than those serving in liaison posts) receive their net fortnightly drawing rate at pre-devaluation; ie, prior to 1 October 1974; rates of exchange, with the exception of items of a compensatory nature, eg, Hard Lying Money to which entitlement is at RAN rates and in accordance with RAN regulations.

5. Special attention will therefore be necessary in regard to their pay accounts and the following instructions are to be followed:

a. Each component of pay due in New Zealand currency is to be entered on the Variation Sheet at a fortnightly rate identified by the letters 'NZ' and those components due in Australian currency are to be identified by the letter 'A'.

b. New Zealand allotments are to be identified as 'FNZ'.

c. Superannuation charges are to be identified as 'NI'.

d. An 'Exchange Allowance' adjustment is to be calculated on the figure arrived at by subtracting the fortnightly total of New Zealand debits from the fortnightly total of New Zealand credits and is to be entered in the 'Other Non-taxable' box of the Variation Sheet.

e. An 'Exchange Allowance' adjustment is to be calculated on any one-time adjustments of New Zealand credits or debits.

f. Australian Income Tax and Allotments payable in Australia are to be charged in the normal manner.

6. Navy Order 139/72 is hereby cancelled.

(2/203/7)

(Navy Order 139/72)

### Section 4

### EQUIPMENT, STORES AND SERVICING

#### UNCLASSIFIED

#### 83/75—Aircraft Support Equipment and Spares—Allowances System

1. A revised allowances system for aircraft support equipment and spares has been developed. The scheme, which is based on the RANSAL system for ships introduced vide Navy Order 351/73, will apply to new aircraft types commencing with the SEA KING. The revised system will be implemented as soon as EDP programming has been completed.

2. Facilities provided under this system are:

a. simplified method of recording allowance data for Maintenance Supply Items (MSIs), Ground Support Equipment (GSE) and Breakdown Spares (B/Ss) required for maintenance of aircraft;

- b. flexibility to record (by manual input only) changes to allowances resulting from:
- (1) variations to usage data,
  - (2) variations to aircraft or engine utilisation,
  - (3) modifications;
- c. automatic update of the EDP allowance data file (NAVEST) with Stock Number and other pertinent catalogue changes recorded in the EDP Catalogue Data File (NAVCAT);
- d. an independent aircraft materiel RANSAL may be produced, as required, for each ship or station for:
- (1) MSI, GSE and B/S for an individual aircraft type, or
  - (2) MSI, GSE and B/S for all aircraft types supported;
- e. regular distribution in microfiche form (as part of the total microfiche bank for RANSAL) of updated Outfit Allowance Lists showing:
- (1) the outfit of MSIs for each aircraft type for each ship and station,
  - (2) the total outfit of GSE for each ship and station for all aircraft types supported,
  - (3) the outfits of B/Ss for each ship and station for maintenance of each individual MSI and GSE;
- f. listings may be obtained on an ad hoc basis, of MSIs and B/Ss (but not GSE) and their applicability to aircraft types and parent equipments respectively;
- g. production of a consolidated First Outfit List on a selective company basis of additional materiel to be issued to the Civilian Repair Organisation (CRO) upon introduction of a new aircraft type;
- h. production of issue vouchers and ledger pages for materiel to be issued to each ship, station or CRO firm as a result of introduction of a new aircraft type;
- i. a reduction factor will be applied to consolidated quantities during computation of the allowances to be promulgated in the RANSAL to avoid over-stocking of items common to two or more MSIs, GSEs, etc.
4. Full details of the procedure will be promulgated in ABR 5153 (Manual for the Preparation and Maintenance of RAN Shipboard/Shore Establishment Allowance Lists) and ABR 4 (RAN Storekeeping Manual).

(1313/1/1160)

(Navy Order 351/73)

## Section 7

## CANCELLED LIST

UNCLASSIFIED

## 84/75—Losses and Damages of Pilotless Target Aircraft (PTA) and Other Targets—Accounting Procedures

Navy Order 48/73, having been superseded by Navy Order 132/74, is hereby cancelled.

(1550/1/6)

(Navy Orders 48/73 and 132/74)

## AMENDMENTS

UNCLASSIFIED

## 85/75—General Stores (Class 7920)—Introduction of Nylon Scouring Pads for Galleys, Services and Messes

Navy Order 288/74 is to be amended as follows:

## a. Paragraph 1:

*Delete:* 'The undermentioned item has'.  
*Insert:* 'The undermentioned items have'.

## b. Add to Paragraph 1:

Class	Catalogue No	Description	Unit of Issue	Acctg Classn
7920	66-019-2666	Nylon Scouring Pads (Medium)	EA	C

## c. Paragraph 2:

*Delete:* 'This item is intended'.  
*Insert:* 'These items are intended'.

(1/7920/3)

(Navy Order 288/74)

UNCLASSIFIED

## 86/75—Lifting Appliances and Associated Equipment—Periodic Survey and Testing Requirements—HMA Naval Establishments

Navy Order 84/73 is to be amended as follows:

## Section 2.4 Ropes (Wire) Frequency of Tests:

*delete* a. At least once every year; or  
*insert* a. At least once every four (4) years; or.

(400/201/152)

(Navy Order 84/73)

UNCLASSIFIED

## 87/75—Travelling Allowance—Members on Long and Intermediate Term Duty Oversea

Various rates of Travelling Allowance applicable to members posted overseas for Long and Intermediate Term Duty contained in Navy Order 259/74 have been revised. Amended rates and effective date are as follows:

## Table A

*Delete* those rates shown for Argentina, Brazil, Greece, Indonesia (Jakarta), Laos, Malaysia (Kuala Lumpur and Penang), Malta, Mauritius, Poland, Singapore, South Africa, Switzerland, Trinidad and Tobago, Turkey, Venezuela and the Republic of Vietnam and *insert* the revised rates shown hereunder in their stead.

**Table B**

Delete those rates shown for Algeria, Burma, Canada, Chile, France, Germany—Federal Republic of, Ghana, Indonesia (elsewhere), Italy, Jamaica, Japan, Kenya, Malaysia (elsewhere), Mexico, Nigeria, Peru, Tanzania and Thailand and insert the revised rates shown hereunder in their stead.

**Table C**

Delete those rates shown for Khmer Republic and the Democratic Republic of Vietnam and insert the revised rates shown hereunder in their stead.

**Table A**

Country	Effective Date of Variation	Currency of Payment	Rates of Payment per Day	
			CAPT or Relative Rank, Officers of Lower Rank and Sailors	CDRE and Above
Argentina .. .. .	23.10.74	\$A .. ..	18	21
Brazil—				
Brasilia .. .. .	23.10.74	\$A .. ..	26	33
Sao Paulo .. .. .	23.10.74	\$A .. ..	29	33
Elsewhere .. .. .	23.10.74	\$A .. ..	23	31
Greece .. .. .	3.7.74	Drachmae ..	790	810
Indonesia—Jakarta .. .. .	29.11.74	Rupiahs ..	16060	18610
Laos—				
Vientiane .. .. .	7.8.74	Kip .. ..	17900	18600
Luang Prabang .. .. .	7.8.74	Kip .. ..	16000	16500
Elsewhere .. .. .	7.8.74	Kip .. ..	7000	7500
Malaysia—				
Kuala Lumpur .. .. .	11.7.74	\$M .. ..	62	75
Penang .. .. .	3.12.74	\$M .. ..	69	78
Malta .. .. .	3.7.74	£M .. ..	8.35	11.28
Mauritius .. .. .	19.8.74	Rupees ..	142	160
Poland .. .. .	25.10.74	Zloties ..	660	700
Singapore .. .. .	3.12.74	\$S .. ..	74	82
South Africa(b) .. .. .	20.8.74	Rand .. ..	21.50	26.00
Switzerland .. .. .	3.7.74	Francs ..	119	147
Trinidad and Tobago—				
16/4 to 15/12 .. .. .	19.9.74	\$TT .. ..	63	71
16/12 to 15/4 .. .. .	19.9.74	\$TT .. ..	72	83
Turkey—				
Ankara, Bursa, Istanbul, Izmir .. .. .	19.5.74	T Lira .. ..	380	455
Elsewhere .. .. .	19.5.74	T Lira .. ..	280	230
Venezuela .. .. .	13.6.74	Bolivars ..	185	215
Vietnam—Republic of .. .. .	25.6.74	Piastres ..	10460	12000
Vietnam—Republic of .. .. .	28.11.74	\$VN .. ..	11010	12550

Table B  
 These rates apply to the following countries: Algeria, Burma, Canada, Chile, France, Germany, India, Indonesia, Italy, Japan, Korea, Malaysia, Mexico, Nigeria, Peru, Thailand, Tanzania, and Vietnam. These rates are subject to change without notice.

Table C  
 These rates apply to the following countries: Cambodia and the Democratic Republic of Vietnam. These rates are subject to change without notice.

Table A

Country	Effective Date of Variation	Currency of Payment	Rates of Payment per Day
			CAPT or Relative Rank, Officers of Lower Rank and Sailors
Algeria .. .. .	19.8.74	A Dinars ..	86
Burma .. .. .	7.8.74	Kyats ..	45
Canada .. .. .	16.12.74	\$CAN ..	17
Chile .. .. .	5.11.74	\$A ..	13
France .. .. .	5.6.74	Francs ..	80
Germany—Federal Republic of ..	14.6.74	DM ..	58
Ghana .. .. .	20.8.74	New Cedis ..	14.00
Indonesia—Elsewhere .. .. .	29.11.74	Rupiahs ..	7000
Italy .. .. .	3.7.74	Lire ..	9700
Jamaica .. .. .	18.10.74	\$J ..	17
Japan .. .. .	23.12.74	Yen ..	7400
Kenya .. .. .	20.8.74	Shillings ..	80
Malaysia—Elsewhere .. .. .	11.7.74	\$M ..	30
Malaysia—Elsewhere .. .. .	3.12.74	\$M ..	33
Mexico .. .. .	14.6.74	Pesos ..	175
Nigeria .. .. .	19.8.74	Naira ..	8.75
Peru .. .. .	23.10.74	Soles ..	588
Tanzania .. .. .	19.8.74	T Shillings ..	63
Thailand .. .. .	7.8.74	Baht ..	195

Table B

Country	Effective Date of Variation	Currency of Payment	Rates of Payment per Day	
			CAPT or Relative Rank, Officers of Lower Rank and Sailors	CDRE and Above
Algeria .. .. .	19.8.74	A Dinars ..	86	89
Burma .. .. .	7.8.74	Kyats ..	45	55
Canada .. .. .	16.12.74	\$CAN ..	17	20
Chile .. .. .	5.11.74	\$A ..	13	15
France .. .. .	5.6.74	Francs ..	80	85
Germany—Federal Republic of ..	14.6.74	DM ..	58	65
Ghana .. .. .	20.8.74	New Cedis ..	14.00	15.50
Indonesia—Elsewhere .. .. .	29.11.74	Rupiahs ..	7000	8030
Italy .. .. .	3.7.74	Lire ..	9700	11300
Jamaica .. .. .	18.10.74	\$J ..	17	20
Japan .. .. .	23.12.74	Yen ..	7400	8250
Kenya .. .. .	20.8.74	Shillings ..	80	90
Malaysia—Elsewhere .. .. .	11.7.74	\$M ..	30	38
Malaysia—Elsewhere .. .. .	3.12.74	\$M ..	33	39
Mexico .. .. .	14.6.74	Pesos ..	175	200
Nigeria .. .. .	19.8.74	Naira ..	8.75	10.00
Peru .. .. .	23.10.74	Soles ..	588	640
Tanzania .. .. .	19.8.74	T Shillings ..	63	71
Thailand .. .. .	7.8.74	Baht ..	195	210

Table C

Country	Effective Date of Variation	Currency of Payment	Rates of Payment per Day	
			CAPT or Relative Rank, Officers of Lower Rank and Sailors	CDRE and Above
Khmer Republic .. .. .	7.8.74	\$A ..	2.00	2.50
Vietnam—Democratic Republic of ..	7.8.74	Dong ..	3	4

(252/4/177)

(Navy Order 259/74)

Table B

Date of Payment for 1977	Amount of Payment for 1977	Date of Payment for 1978	Amount of Payment for 1978	Date of Payment for 1979	Amount of Payment for 1979
1/15/77	100.00	1/15/78	100.00	1/15/79	100.00
2/15/77	100.00	2/15/78	100.00	2/15/79	100.00
3/15/77	100.00	3/15/78	100.00	3/15/79	100.00
4/15/77	100.00	4/15/78	100.00	4/15/79	100.00
5/15/77	100.00	5/15/78	100.00	5/15/79	100.00
6/15/77	100.00	6/15/78	100.00	6/15/79	100.00
7/15/77	100.00	7/15/78	100.00	7/15/79	100.00
8/15/77	100.00	8/15/78	100.00	8/15/79	100.00
9/15/77	100.00	9/15/78	100.00	9/15/79	100.00
10/15/77	100.00	10/15/78	100.00	10/15/79	100.00
11/15/77	100.00	11/15/78	100.00	11/15/79	100.00
12/15/77	100.00	12/15/78	100.00	12/15/79	100.00
Total	1200.00	Total	1200.00	Total	1200.00

Table C

Date of Payment for 1977	Amount of Payment for 1977	Date of Payment for 1978	Amount of Payment for 1978	Date of Payment for 1979	Amount of Payment for 1979
1/15/77	100.00	1/15/78	100.00	1/15/79	100.00
2/15/77	100.00	2/15/78	100.00	2/15/79	100.00
3/15/77	100.00	3/15/78	100.00	3/15/79	100.00
4/15/77	100.00	4/15/78	100.00	4/15/79	100.00
5/15/77	100.00	5/15/78	100.00	5/15/79	100.00
6/15/77	100.00	6/15/78	100.00	6/15/79	100.00
7/15/77	100.00	7/15/78	100.00	7/15/79	100.00
8/15/77	100.00	8/15/78	100.00	8/15/79	100.00
9/15/77	100.00	9/15/78	100.00	9/15/79	100.00
10/15/77	100.00	10/15/78	100.00	10/15/79	100.00
11/15/77	100.00	11/15/78	100.00	11/15/79	100.00
12/15/77	100.00	12/15/78	100.00	12/15/79	100.00
Total	1200.00	Total	1200.00	Total	1200.00

(1977-1979)

(1977-1979)



**RESTRICTED**

**RESTRICTED**

HISTORIAN

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ANOs 88/75-95/75



# AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,  
12 March 1975.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

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**CONTENTS**

<i>No</i>	<i>Title</i>
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88/75	Safety Communications Procedures for Minor War Vessels.
<b>SECTION 2—PERSONNEL</b>	
89/75	Travelling Allowance—Members on Short Term Duty Overseas.
<b>SECTION 4—EQUIPMENT, STORES AND SERVICING</b>	
90/75	Ammunition—Pyrotechnics—Generator Smoke Training N1 Mark 1.
91/75	Hydrographic Stores and Instruments—Absorption into Standard Supply System.
92/75	Shoes, Gymnasium.
<b>SECTION 5—BOOKS, CORRESPONDENCE, FORMS AND STATIONERY</b>	
93/75	Aircraft Technical Publications—Fleet Air Arm Distribution Listings and Amendments.
94/75	Introduction of BR 936 (4) Handbook for Guided Weapon Systems Mark 20 and 21 Part 4 System Setting to Work.
<b>AMENDMENTS</b>	
95/75	Scrambling Nets—Fitting in HMA Ships.

Additional copies of Navy Orders may be readily obtained by:

- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 3461.

## Section 1

## ADMINISTRATIVE AND GENERAL

## RESTRICTED

## 88/75—Safety Communications Procedures for Minor War Vessels

1. HMA Ships KIMBLA, DIAMANTINA, FLINDERS, MCMVs Patrol Boats, LCHs and other small vessels, by nature of their functions, spend considerable periods at a distance from their Operating Authority. Because of their small size and consequent lack of emergency arrangements, it has been decided that a more stringent system of communications procedures should be introduced to ensure their safety at sea.
2. The following procedures are therefore to be used. RANOP will be amended in due course:
  - a. The daily PIMs of vessels listed in Paragraph 1 above are to be made for 0800Z and cleared to shore between 0730Z and 0800Z.
  - b. A communications check report is to be made between 2330Z and 2359Z daily. The text is to consist of the single word 'CHECK'. Amplifying remarks may be added as appropriate (*see* Paragraph 3).
  - c. Precedence of PIM and check reports is to be 'IMMEDIATE'.
  - d. (1) The action addressees shall be COMAUSFLT and the appropriate Operating Authority.  
(2) The information addressees shall be in accordance with RANOPS.
  - e. A minor War Vessels Communications Check Procedure (MINCHECK) will be instituted as detailed at Annexe A.
3.
  - a. On occasions when a major unit is in company with a minor unit, the major unit is to assume the responsibility for the PIM and CHECK procedures.
  - b. When minor war vessels are in company the SOPA is to assume responsibility for PIM and CHECK procedures. The major unit/SOPA is to include the names of all units in company in the message text.
  - c. In the event of separation, minor vessels are to conform with Paragraph 2 above.
4. For the purposes of MINCHECK procedure, HMAS MORESBY, which is RATT fitted, is to be regarded as a major war vessel.
5. Navy Order 211/74 is hereby cancelled.

## ANNEXE A

## Mincheck Procedure

1. If an Operating Authority has not received the appropriate report by 1000Z in the case of a PIM, or by 0200Z in the case of a CHECK report, he is to initiate MINCHECK by IMMEDIATE signal to NAVCOMSTAs CANBERRA and DARWIN, adjacent Area Commanders, COMAUSFLT, COMAUSLANCRON ONE, COMAUSMINPABFOR and DEFNAV CANBERRA. NAVCOMSTAs and Area Commanders addressed are to include this signal in the distress urgency and safety messages of the subsequent Single Operator Periods (SOP) and/or place on appropriate broadcasts/local nets.
2. On receipt of a MINCHECK, the vessel concerned is to send an IMMEDIATE CHECK signal by any means available. Any other ship with knowledge of the vessel concerned is to report the fact to the Operational Authority by IMMEDIATE Signal.

ANNEXE A—continued

3. The MINCHECK signal should contain as the first words of the text 'MIN-CHECK'.....vessel concerned followed by an estimated or last known position course and speed.

4. The decision to initiate a resulting SAR Operation remains with the Operating Authority who must bear in mind that:

- a. if an SAR Operation is to be underway at first light, it must be initiated by about 1400Z on a 1000Z MINCHECK;
- b. if the operation is initiated on a 0200Z MINCHECK it must be started before the end of a working day to avoid loss of daylight hours spent in contacting personnel involved.

5. Strict adherence to the above procedures is mandatory so that false alarms can be avoided.

6. To ensure that MINCHECK signals are received by all vessels keeping Single Operator periods, RANCO Article 0408 10.d is to be amended as follows:

'd' Ship having no traffic in the 0600 and 2200 traffic lists may close down until the next scheduled single operator period. Ships having no traffic in the 0200 and 1000 traffic lists must maintain watch until 0230 and 1030 respectively.

ANNEXE B

Example A

PIM

IMMEDIATE FROM TO INFO SIG 1. 2. 3.

UNCLASSIFIED  
IBIS  
COMAUSFLT  
SNO CAIRNS  
DEFNAV CANBERRA  
FOCEA  
COMAUSMINPABFOR  
SNIPE  
NOC QLD  
KMP  
PIM 150800Z OCT 74  
3730 SOUTH 15003 EAST PASSAGE TO BRISBANE  
SNIPE IN COMPANY.  
93 PER CENT  
WIND 355 FORCE 4 SWELL 020 6 FEET

Example B

UNCLASSIFIED

IMMEDIATE FROM TO INFO SIG 1. 2.

IBIS  
COMAUSFLT  
SNO CAIRNS  
DEFNAV CANBERRA  
SNIPE  
COMAUSMINPABFOR  
NOC QLD  
KMP  
CHECK  
SNIPE IN COMPANY

(114/1/3)

(Navy Order 211/74)

Section 2

PERSONNEL

UNCLASSIFIED

89/75—Travelling Allowance—Members on Short Term Duty Overseas

1. Various rates of Short Term Duty Travelling Allowance notified *vide* Navy Order 260/74 have been revised.

2. These varied rates together with existing rates payable in other countries have been consolidated in the following tables:

Table A

Country	Effective Date of Variation	Currency of Payment	Rates of Payment per Day	
			CAPT or Relative Rank, Officers of Lower Rank and Sailors	CDRE and Above
Arab Republic of—				
Egypt—Room at full rate	19.5.74	LE	15.450	18.300
Egypt—Room at discount(e)	19.5.74	LE	13.200	15.500
Argentina	23.10.74	\$A	27.00	33.00
Austria	21.11.73	Schillings	840	970
Bahrain	19.5.74	B Dinars	24.000	25.000
Bangladesh—				
Dacca	4.2.72	\$A	21	23
Elsewhere—See Table B				
Belgium	11.3.74	B Francs	1800	2150
Brazil—				
Brasilia	23.10.74	\$A	28	35
Sao Paulo	23.10.74	\$A	31	35
Elsewhere	23.10.74	\$A	25	32
Britain(a)	15.11.73	£Stg	12.75	18.75
Burma	7.8.74	Kyats	130	140
Chile	5.11.74	\$A	30.00	33.00
Denmark	8.3.74	D Kr	290	350
Fiji	16.1.74	\$F	23.00	29.00
Finland	30.11.73	F Marks	140	170
France	5.6.74	Francs	270	330
Germany, Federal Republic of	14.6.74	D Marks	135	150
Ghana	20.8.74	New Cedis	43.50	45.50
Greece	3.7.74	Drachmae	1015	1345
India—				
New Delhi	31.10.73	Rupees	220	250
Bombay	31.10.73	Rupees	225	250
Calcutta	31.10.73	Rupees	245	270
Elsewhere—See Table B				
Indonesia	29.11.74	Rupiahs	19690	21760
Iran	19.5.74	Rials	2500	3030
Iraq	19.5.74	I Dinars	10.250	11.750
Ireland	13.9.73	£ Irish	9.75	13.25
Israel	19.5.74	IL	180	214
Italy—				
Rome, Milan, Turin	3.7.74	Lire	24300	30700
Elsewhere	3.7.74	Lire	22300	28700

TABLE A—continued

Country	Effective Date of Variation	Currency of Payment	Rates of Payment per Day	
			CAPT or Relative Rank, Officers of Lower Rank and Sailors	CDRE and Above
Jordan .. .. .	20.5.74	J Dinars ..	14.250	15.800
Kenya .. .. .	20.8.74	Schillings ..	240	255
Korea, Republic of .. .. .	2.7.73	Won ..	12200	14200
Kuwait .. .. .	19.5.74	K Dinars ..	16.750	17.650
Laos .. .. .	7.8.74	Kip ..	19.500	20.400
Lebanon .. .. .	13.5.74	LL ..	115	135
Malaysia .. .. .	11.7.74	\$M ..	70	80
Malta .. .. .	3.12.74	\$M ..	81	91
Mauritius .. .. .	3.7.74	£M ..	9.35	12.40
Mexico .. .. .	19.8.74	Rupees ..	149	168
Nauru .. .. .	14.6.74	Pesos ..	430	520
Netherlands .. .. .	16.1.74	\$A ..	23	25
New Zealand .. .. .	8.3.74	N Florins ..	120	150
Nigeria .. .. .	16.1.74	\$NZ ..	22.50	27.00
Norway .. .. .	19.8.74	Naira ..	28.00	32.00
Pakistan—	30.11.73	Kronor ..	250	310
Islamabad/Rawalpindi and Lahore	31.10.73	Rupees ..	250	270
Karachi	31.10.73	Rupees ..	340	390
Elsewhere—See Table B				
Peru .. .. .	23.10.74	Soles ..	1720	1800
Philippines(a) .. .. .	6.5.74	Pesos ..	250	275
Poland—				
(c) (d) .. .. .	25.10.74	Zloties ..	1050	1220
(e) (f) .. .. .	25.10.74	Zloties ..	870	1085
Portugal .. .. .	1.5.74	Escudos ..	880	1130
Saudi Arabia .. .. .	11.6.74	S Riyals ..	190.000	220.000
Singapore .. .. .	14.8.74	\$S ..	85	105
South Africa .. .. .	3.12.74	\$S ..	92	110
Sri Lanka (Ceylon)—	20.8.74	Rand ..	24.00	28.50
Colombo .. .. .	31.10.73	\$A ..	17.50	19.00
Elsewhere—See Table B				
Spain .. .. .	11.6.74	Pesetas ..	1550	2200
Sweden .. .. .	8.3.74	S Kroner ..	190	220
Switzerland .. .. .	3.7.74	Francs ..	130	160
Tanzania .. .. .	19.8.74	T Shillings ..	250	260
Thailand .. .. .	7.8.74	Baht ..	600	700
Trinidad and Tobago .. .. .	19.9.74	\$T.T.		
16/4 to 15/12			69	78
16/12 to 15/4			78	90
Turkey .. .. .	19.5.74	T Lira ..	465	495
Uruguay .. .. .	23.10.74	\$A ..	28.00	35.00
Venezuela .. .. .	13.6.74	Bolivars ..	210	240
Vietnam, Republic of .. .. .	28.11.74	\$VN ..	17800	18990
Yugoslavia .. .. .	25.6.74	Piastres ..	15760	16400
New Dinar .. .. .	21.11.73		370	450

Table B

Country	Effective Date of Variation	Currency of Payment	Rates of Payment per Day	
			CAPT or Relative Rank, Officers of Lower Rank and Sailors	CDRE and Above
Algeria .. .. .	19.8.74	A Dinars ..	100	110
Bangladesh—Elsewhere .. .. .	4.2.72	\$A ..	8	10
Canada .. .. .	16.12.74	\$CAN ..	21.00	24.00
Caribbean Area(b) .. .. .	21.2.74	\$A ..	15.00	17.00
China, People's Republic of .. .. .	31.1.74	Yuan ..	14	15
Hong Kong .. .. .	2.7.73	\$HK ..	87	100
India—Elsewhere .. .. .	31.10.73	Rupees ..	70	75
Jamaica .. .. .	18.10.74	\$J ..	21	24
Japan .. .. .	23.12.74	Yen ..	10400	11400
New Caledonia .. .. .	16.1.74	CFP Francs	1900	2200
Pakistan—Elsewhere .. .. .	31.10.73	Rupees ..	83	91
Sri Lanka (Ceylon)—Elsewhere .. .. .	31.10.73	\$A ..	4.00	5.00
Union of Soviet Socialist Republics .. .. .	22.11.73	Roubles ..	14	16
United States of America(a) .. .. .	18.6.73	\$US ..	19.50	22.50
Vietnam, Democratic Republic of .. .. .	7.8.74	Dong ..	23	26

Table C

Country	Effective Date of Variation	Currency of Payment	Rates of Payment per Day	
			CAPT or Relative Rank, Officers of Lower Rank and Sailors	CDRE and Above
Khmer Republic .. .. .	7.8.74	\$A ..	3.00	3.50
Other Countries .. .. .	8.1.74	\$A ..	4.00	5.00

- Notes: (a) Attention is drawn to the special provisions relating to leaders of delegations and officers accompanying ministers.
- (b) Caribbean area is defined as those islands which border the Caribbean Sea except Trinidad and Tobago, French West Indies, Netherlands Antilles, Jamaica, Haiti and Cuba. Caribbean Area Travelling Allowance also excludes members on long term posting at Trinidad and Tobago.
- (c) If tourist rate of exchange is obtained, this rate must be used in calculating Travelling Allowance.
- (d) These rates are to be used for members on short term missions to Warsaw for up to twenty-eight days term mission until the rates for such members are varied.
- (e) This rate applies to those members accorded the 25 per cent discount on accommodation.

(f) These rates are to be used for members on short term missions to Poland and not issued with Foreign Ministry ID cards, where the period of stay exceeds twenty-eight days, and in lieu of the rate specified for members on long or intermediate term duty in Poland.

3. Conditions of payment are contained in NPI 1705-6.

4. Navy Order 260/74 is hereby cancelled.

(252/4/177)

(Navy Order 260/74)

#### Section 4

### EQUIPMENT, STORES AND SERVICING

#### RESTRICTED

#### 90/75—Ammunition—Pyrotechnics—Generator Smoke Training N1 Mark 1

1. *Introduction* .. .. 1365-99-963-5701 GENERATOR SMOKE TRAINING N1 MARK 1 has been introduced into service to replace 1365-99-962-8451 GENERATOR SMOKE Y4. Smoke Generators Y4 are to be used by HMA naval establishments until stocks are exhausted. Ships are to use Generator Smoke Training N1 Mark 1.
2. *Information* .. .. The Generator Smoke Training N1 Mark 1 has been developed to represent fire smoke. It produces an oil smoke which is non-toxic; contains negligible dust and has no deleterious effect on electronic equipment. The Generator is safe for use between decks and is to be used to add realism to damage control and fire fighting exercises in HMA ships. One generator should fill a space of 85 m<sup>3</sup>. The Generator is ignited by connecting the two electric leads to a 1.5 volt dry cell battery. The operator should not keep his head over the generator whilst igniting the store, as in some cases there is an initial spurt of flame from the detonating device. The generator should not be placed directly on to a surface which may be affected by heat and is designed to be placed into its screw-cap. If this is done, no damage will occur to painted or wooden surfaces. The spent generator can be disposed of when cold with no special precautions. The generator is designed to pose the minimum fire hazard but the possibility of the production of sparks and even 'torching' cannot be entirely eliminated. It should not, therefore be used in close proximity to combustible materials unless kept under observation. The store is not fitted with RADHAZ suppressors, since the generator is only to be used between decks. The lid should not be removed when the store is likely to be exposed to intense E/M radiation. (As issued, the electrical leads ends are bared and twisted together and insulated.)

3. *Restriction* .. .. The Generator Smoke Training N1 Mark 1 is susceptible to RADHAZ. The hulls of wooden construction ships are transparent to RF radiations and therefore the generator would be of risk if used below decks in such vessels. These generators will not therefore be issued to MCMVs.
4. *Shelf life* .. .. The shelf life of the Generator Smoke Training N1 Mark 1 has been determined at six years from the date of filling.
5. *Allowances* .. .. Annual practice allowances for Generators Smoke Training N1 Mark 1 are as follows:

#### HMA Ships

MELBOURNE	..	..	..	50
SUPPLY	..	..	..	50
STALWART	..	..	..	50
DDGs	..	..	..	30 each
DDs	..	..	..	30 each
DEs	..	..	..	30 each
MORESBY	..	..	..	12
DIAMANTINA	..	..	..	12
FLINDERS	..	..	..	12
KIMBLA	..	..	..	12
COOK (on commissioning)	..	..	..	12
SUBMARINES (including O5 and O6)	..	..	..	4 each
PATROL BOATS	..	..	..	12 each
LCHs	..	..	..	12 each
FLEET TRAINING GROUP (NBCD)	..	..	..	50

#### Commissioned Establishments

ALBATROSS	..	..	..	60
LEEWIN	..	..	..	60
NIRIMBA	..	..	..	60
WATSON	..	..	..	60
KUTTABUL	..	..	..	60
CRESWELL	..	..	..	60
PENGUIN and for Fire-fighting Training	..	..	..	200
CERBERUS and for Fire-fighting Training	..	..	..	200
WATERHEN	..	..	..	30
PLATYPUS	..	..	..	30
CAIRNS	..	..	..	30
MELVILLE	..	..	..	30
COONAWARRA	..	..	..	30
TARANGAU	..	..	..	30
ENCOUNTER	..	..	..	30
HARMAN	..	..	..	30
HUON	..	..	..	30
LONSDALE	..	..	..	30
MORETON	..	..	..	30

6. *Priority of Supply* .. .. Limited stocks of Generators Smoke Training N1 Mark 1 are held. Procurement of further stocks has been initiated and arrangements will be made for issue as they become available. Stocks will be issued under the following order of priority: Fleet Training Group, HMAS PENGUIN, CERBERUS, Submarines, HMAS MELBOURNE, DDGs, DDs, DEs, Others.

(728/61/127)

## UNCLASSIFIED

**91/75—Hydrographic Stores and Instruments—Absorption into Standard Supply System**

1. As part of the retrospective conversion of existing stocks to the Defence Cataloguing System, items previously held under the Class HYDRO are being codified to Defence Stock Numbers which categorise them under various Defence Groups and Classes and their collective identity as Hydrographic Stores will disappear.

2. Hydrographic Instruments and Special Surveying Stores can no longer be dealt with as a group by the Superintending Electrical Stores Officer (SLSO), Sydney (0094), under the procedures of ABR 5108. They will eventually be controlled by various Superintending Supply Officers (SSO) according to supply management responsibility for the Defence Catalogue System classes to which individual items are codified. However, until such time as physical stock transfers between various SSOs are arranged, all Hydrographic Stores will be held by SLSO (0094) on whom demands are to be submitted until further instructions are promulgated.

3. This procedure relates only to Hydrographic Instruments and Special Surveying Stores. There will be no change in existing arrangements for Chronometers, Watches, Charts and Publications.

4. Allowance List LE36 covering Hydrographic Stores is being revised and allowances for HMAS FLINDERS, HMAS MORESBY, HMAS PENGUIN and HMAS COOK as well as for the Hydrographer will appear under Set Identification Numbers in the microfiche of NAVEST which will be issued shortly and updated quarterly. This will permit ready reference by users to stock numbers.

5. ABR 5074—RAN Catalogue of Materiel—will show, by means of a remark in the 'other references' column those items which are restricted to issue for hydrographic purposes.

6. ABR 5108 will be amended.

(N189/1/36)

## UNCLASSIFIED

**92/75—Shoes, Gymnasium**

1. Stocks of 8430-66-073-3730 to 8430-66-073-3741 SHOES, MEN'S, GYMNASIUM, WHITE (crepe sole) will not be further replenished. On exhaustion of current stocks of this item all requirements for gratuitous and repayment issue will be met by the issue of 8430-66-073-3720 to 8430-66-073-3729 SHOES, GYMNASIUM, NON-SLIP.

2. Details of stock numbers, sizes, etc, are included in Annexe A to this order. The current repayment issuing price for the non-slip shoe is \$3.89 per pair.

3. This amendment will be incorporated in the revised scales of kit which will shortly be promulgated as appendixes to ABR 81, RAN Uniform Instructions.

## ANNEXE A

Class	Catalogue Number	Description	Unit of Issue	Acctg Classn
8430	66-073-3720	SHOE, GYMNASIUM, NON-SLIP, Size 3	PR	P
8430	66-073-3721	SHOE, GYMNASIUM, NON-SLIP, Size 4	PR	P
8430	66-073-3722	SHOE, GYMNASIUM, NON-SLIP, Size 5	PR	P
8430	66-073-3723	SHOE, GYMNASIUM, NON-SLIP, Size 6	PR	P
8430	66-073-3724	SHOE, GYMNASIUM, NON-SLIP, Size 7	PR	P
8430	66-073-3725	SHOE, GYMNASIUM, NON-SLIP, Size 8	PR	P
8430	66-073-3726	SHOE, GYMNASIUM, NON-SLIP, Size 9	PR	P
8430	66-073-3727	SHOE, GYMNASIUM, NON-SLIP, Size 10	PR	P
8430	66-073-3728	SHOE, GYMNASIUM, NON-SLIP, Size 11	PR	P
8430	66-073-3729	SHOE, GYMNASIUM, NON-SLIP, Size 12	PR	P

(1/8430/38)

## Section 5

**BOOKS, CORRESPONDENCE, FORMS AND STATIONERY**

## UNCLASSIFIED

**93/75—Aircraft Technical Publications—Fleet Air Arm Distribution Listings and Amendments**

1. The Superintendent Aircraft Maintenance and Repair (SAMR) is the authority for distribution listings within the Service and Civil Repair Organisations (CROs) for all aircraft technical publications including Illustrated Parts Breakdown (IPBs) which are directly concerned with RAN manned and unmanned aircraft and associated equipments. These listings cover Aircraft, Airframes, Engines, Electrics, Instruments, Avionics, Ejection Seats, Safety Equipment, Aircraft Ground Support Equipment, Weapons Carriage and Release Equipments, and publications pertaining to the preparation, examination and fitting of air launched weapons or associated explosives stores.

2. In cases where amendments to the subject publications are proposed they are to be submitted to SAMR. SAMR is responsible for the preparation, editing and publication of amendments for distribution through the Executive Officer Publications.

3. Publications concerning air launched weapons or explosives stores whilst in storage or transit are not covered by this order.

4. Navy Order 38/72 is hereby cancelled.

(465/201/668)

(Navy Order 38/72)

## UNCLASSIFIED

**94/75—Introduction of BR 936 (4) Handbook for Guided Weapon Systems Mark 20 and 21 Part 4 System Setting to Work**

1. BR 936 (4) dated April 1973 has now been issued to all approved holders.

2. BR 936 (4) dated April 1973 supersedes BR 936 (4) dated December 1966 and DWS 3230-GWS System Mark 20 System Test Schedule.

3. Copies of BR 936 (4) dated December 1966 are to be disposed of in accordance with ABR 4 Chapter 25 and copies of DWS 3230 are to be destroyed.

(N7610/14/66)



UNCLASSIFIED

Item No.	Description	Quantity	Unit Price	Total
1	...	...	...	...
2	...	...	...	...
3	...	...	...	...
4	...	...	...	...
5	...	...	...	...
6	...	...	...	...
7	...	...	...	...
8	...	...	...	...
9	...	...	...	...
10	...	...	...	...

...

MINOR EXPERIMENTAL FORMS AND STATIONERY

...

3372—Annual Technical Publications—For All Publications

...

1. Publications concerning technical reports or experimental work...  
2. In cases where amendments to the subject publications are proposed...  
3. Publications concerning technical reports or experimental work...  
4. Navy Order 1772 is hereby cancelled.

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AMENDMENTS

UNCLASSIFIED

95/75—Scrambling Nets—Fitting in HMA Ships

Navy Order 17/75 is to be amended as follows:

Paragraph 3—Scale of Allowances:

Delete: LOCH.

Insert: LCH.

(1211/52/189)

(Navy Order 17/75)

Navy Orders 1/72 to 72/72 are now over three years old and may be disposed of accordingly.

**RESTRICTED**

1958

12

AMERICAN

UNCLASSIFIED

WATTS—Continuing Note—Being in HHS Files

Very Good (17) is to be included in future

Paragraph 2. State of Alabama

Letter LCCB

Letter LCCB

(17) (17) (17)

(Very Good 1717)

Very Good (17) is now over three years old and may be disposed of accordingly

**RESTRICTED**

Misterian

ANOs 96/75-105/75



# AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,  
20 March 1975.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

Additional copies of Navy Orders may be readily obtained by:

- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 3461.

ADMINISTRATIVE AND GENERAL  
UNCLASSIFIED  
No. 75- Commissioning—HMAS ADROIT  
THE HMAS ADROIT  
HMAS ADROIT

## CONTENTS

<i>No</i>	<i>Title</i>
<b>SECTION 1—ADMINISTRATIVE AND GENERAL</b>	
96/75	Commissioning—HMAS ADROIT.
97/75	User Maintainer Concept—Definition of Terms.
<b>SECTION 2—PERSONNEL</b>	
98/75	Academic Instructor Category.
99/75	Collins Trophy Award—1974.
100/75	WRANS—Entitlements on Discharge.
<b>SECTION 4—EQUIPMENT, STORES AND SERVICING</b>	
101/75	Boiler Retubing Tools—Lubricant.
<b>SECTION 5—BOOKS, CORRESPONDENCE, FORMS AND STATIONERY</b>	
102/75	Information Concerning and Distribution of Publications and Amendments Managed by Executive Officer Publications, Sydney—December 1974.
103/75	Information Concerning and Distribution of Publications and Amendments Managed by Executive Officer Publications, Sydney—January 1975.
104/75	Introduction of BR 935 (7) Handbook for Gun Direction System Mark 5 Part 7 Performance Maintenance on Board.
<b>AMENDMENTS</b>	
105/75	Curtains and Overcases in HMA Ships—Conditions of Selection.

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

96/75—Commissioning—HMAS ADROIT

The following commissioning has been effected:

HMAS ADROIT—17 February 1975.

(1211/51/872)

UNCLASSIFIED

97/75—User Maintainer Concept—Definition of Terms

The Naval Board have approved the following definitions in determining the areas of responsibility of operators and maintainers:

Definitions

- 1. *Operator* .. .. A man who is trained to operate a range of equipment but who has no maintenance training and does not do any maintenance. He may do user checks.
- 2. *Operator/Maintainer* .. .. An operator who is trained additionally to carry out routine scheduled maintenance on his equipment and, possibly, other similar equipments. It is not intended that he should have any diagnostic ability. Maintenance to be done by approval job methods.
- 3. *Maintainer* .. .. A man trained to maintain a range of equipment using schedules and handbooks. His training would include developing his diagnostic skills.
- 4. *Maintainer/Operator* .. .. A maintainer who is trained additionally to operate certain equipment which should, for preference, fall within the range which he maintains.
- 5. *User/Maintainer* .. .. A generic term to include operator/maintainer, maintainer/operator and any variation of the two.

(1605/3/109)

Section 2

PERSONNEL

UNCLASSIFIED

98/75—Academic Instructor Category

- 1. Entry to the category of Academic Instructor (AI) is by transfer from other sailor categories.
- 2. Academic Instructors may be employed as instructors in academic subjects, instructional technique and professional subjects associated with their former categories; or in training research; or in various duties associated with the supervision and administration of training.

3. Sailors transferring to the category will attend the three-years course at Mount Lawley Teachers College, WA, leading to the award of Diplomas of Teaching. While under training, they will gain additional practical experience by instructing Junior Recruits in HMAS LEEUWIN.

#### Educational Pre-requisites for Selection

4. Applicants are normally required to have achieved passes in English and three other subjects at one of the following levels:

Queensland	..	..	..	Senior
New South Wales, Victoria, Tasmania	..	..	..	Higher School Certificate
Western Australia	..	..	..	Leaving
South Australia	..	..	..	Matriculation.

5. Sailors who cannot meet fully the subject prescriptions in Paragraph 4 but who have been granted Mature Age or Adult Matriculations may apply and will be considered for selection subject to acceptance of their qualifications by the Mount Lawley Teachers College.

#### Conditions of Service

6. Eligibility is limited to sailors of confirmed Leading rank or Petty Officer rank of any category, but shortages in certain categories may preclude such sailors from selection. Selected applicants will be required to re-engage if necessary to cover the period of teacher training and a further period of four years.

#### Promotion

7. The general regulations governing promotion, as detailed in ABR 10, are applicable. Regulations relating to professional qualifications in this category are detailed hereunder.

8. Part III of the Command Test for POAI will be possession of a Teaching Qualification (Diploma of Teaching or Teachers Certificate). Seagoing service is not a pre-requisite for promotion to POAI or CPOAI.

9. Sailors possessing a Teaching Qualification before transfer will be categorised LSAI or POAI as appropriate to their rank on transfer. Sailors entering the category as LSAIs are eligible for promotion to POAI after two years service in the category. Sailors entering as POAIs, or promoted to this rank, will be eligible for promotion to CPOAI after three years service as POAI. CPOAIs will be eligible for promotion to WOAI after four years service as CPOAI. Promotions to CPOAI and WOAI are made by selection to fill vacancies.

10. Selected sailors, lacking a Teachers Certificate or Diploma of Education on transfer, will be categorised P/LSAI or P/POAI, as appropriate, and will retain a provisional rank for the duration of their training. They may be reverted to their former categories if they show unsatisfactory progress during the period. Seniority in previous rank will be retained. Paragraph 13 also refers.

11. Sailors entering the category as P/LSAI may be promoted P/POAI on a provisional basis after two years service as P/LSAI if course progress is satisfactory and if they are otherwise qualified for promotion. These sailors, and those entering as P/POAI, are eligible for selection for promotion to CPOAI after three years service as POAI or P/POAI provided that they have served, after completion of training, for a minimum period of one year.

#### Further Promotion

12. Academic Instructors may apply for a seven-year Short Service Commission in the Instructor Branch on achieving the necessary qualifications, ie, a Teaching Qualification together with a pass at First Year University level in at least one of Mathematics, Physics, English, Geography, Psychology, Education.

#### Pay

13. Until the award of a Diploma of Teaching, a sailor will receive rates of pay appropriate to his former category and his current rank. Pay on completion of course remains at the Petty Officer incremental level applicable to the sailor at the time and continues by annual increments along the Petty Officer scale in the normal manner.

#### Applications

14. Applications for transfer to this category accompanied by documentary evidence of educational qualifications are to be forwarded through normal channels to reach Navy Office not later than 30 September each year.

15. A maximum of four sailors will be selected annually to commence training in the following January.

16. Navy Order 135/73 is hereby cancelled.

(N67/10/1)

(Navy Order 135/73)

#### UNCLASSIFIED

#### 99/75—Collins Trophy Award—1974

1. The Collins Trophy is awarded annually to the Naval Air Squadron which has carried out its designated task with the highest degree of efficiency and distinction.

2. In recognition of its outstanding performance in Exercise Kangaroo One, and the high professional standard displayed during the year in spite of fuel shortages and technical difficulties, the award for 1974 is made to VF-805.

(38/1/233)

## 100/75—WRANS—Entitlements on Discharge

1. The following are the general entitlements of Wrans being discharged:

Type of Discharge	Travel Warrant	Travelling Allowance	Meal Allowance	Accrued Leave	Current Leave	DFRDB	Notation on Discharge Certificate	Removal	Key
Expiration of Engagement ..	Yes	Yes	No	Yes	Yes	P or C and G	H	Yes	P—Pension (20 years)
Disability Present on Entry ..	Yes	Yes	No	Yes	Yes	C	H	Yes	C—Contributions
At own Request—									G—Gratuity
a. on completion of 20 years									H—Honourable
for any reason, or on com-									D—Dishonourable
pletion of 3 years for com-									U—Unsuitable
passionate reasons ..	Yes	No	No	Yes	Yes	P or C and G	H	Yes	N/A—Not Applicable
b. other ..	No	Yes	No	Yes	Yes	C and G	H	No	
BNPS or PUNS—for causes not	Yes	Yes	No	Yes	Yes	P or C and G	H	Yes	
within Wrans own control ..	Yes	No	Yes	Yes	Yes	P or C and G	H	No	
BNPS or PUNS—for causes	Yes	No	Yes	Yes	Yes	P or C and G	U	Sometimes	
within Wrans own control ..	Yes	No	Yes	Yes	Yes	P or C and G	H	(mostly	
SNLR ..	Yes	Yes	Yes	Yes	Yes	P or C and G	H	Yes)	
Optional ..	Yes	Yes	No	N/A	Yes	C	H	No	
Dismissal ..	Yes	No	Yes	Yes	No	P or C and G	D	No	
Unsuitable ..	Yes	Yes	No	Yes	Yes	P or C and G	H	No	
Fraudulent Entry ..	No	No	No	Yes	Yes	P or C and G	U	Yes	
Marriage ..	Yes	Yes	No	Yes	Yes	P or C and G	H	Sometimes	
Pregnancy ..	Yes	Yes	No	Yes	Yes	P or C and G	H	Yes	
Completion of Continuous Full	Yes	Yes	No	Yes	Yes	P or C and G	H	Yes	
Time Service—WRANSR ..	Yes	Yes	No	Yes	Yes	P or C and G	H	Yes	

2. ABR 1077 will be amended.

(302/5/30)

## Section 4

## EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

## 101/75—Boiler Retubing Tools—Lubricant

1. An instance has been reported where a petroleum base grease was used as a lubricant when retubing a boiler. Subsequent removal of this grease caused considerable difficulty during and after boiling out.

2. Comparison tests have revealed that Wilson Expander Lubricant is more suitable for use with boiler retubing tools than water soluble ZX-1 (Nato Code 0-214).

3. When retubing or rerolling water tube boilers the correct lubricant to be used to lubricate tube bores, expanders, mandrels and rollers, is 9150-66-064-3491 WILSON EXPANDER LUBRICANT, available from Superintending General Store Officer, Sydney (Depot Code 0027), in one gallon drums.

4. Navy Order 23/72 is hereby cancelled.

(1900/1/4)

(Navy Order 23/72)

## Section 5

## BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

## 102/75—Information Concerning and Distribution of Publications and Amendments Managed by Executive Officer Publications, Sydney—December 1974

1. The Annexe lists publications and amendments distributed, declared obsolete, superseded, etc, during December 1974.

2. Allowances for ships and establishments, as distinct from gratuitous and repayment issues will be issued without demand by the Publications Authority, Garden Island, NSW, in accordance with an approved scale and automatic updating is provided.

3. Holders of basic publications are reminded that only those issues recorded on NAVPUB will be updated without demand (Navy Order 158/74 refers).

4. Changes issued to publications held as advance copies or to publications not on general distribution are not reflected in Navy Orders.

## Gratuitous Issues

5. Where it has been decided that a gratuitous or personal issue of a publication will be made, a Navy Order detailing the basis of issue and the personnel concerned, and instructing ships and establishments to obtain their requirements for this purpose through their Supply Officer, will be promulgated.

6. Supply Officers should place demands on the Publications Authority, Garden Island, NSW, for the total number of copies required in their respective ship or establishment, on Form SO150 (Navy Order 236/74 refers), stating the reason for the requirement and quoting the relevant order. The publications are to be accounted for by the Supply Officer in accordance with ABR 4, Article 1301 and Article 2512.

7. Automatic updating is not provided for copies of publications on gratuitous issue and demands for updating should be placed on the Publications Authority, Garden Island, NSW, upon notification of its availability in Navy Orders. Form SX40 should be used for demanding changes and the form should clearly state 'Required for amending Personal Issue Copies'.

#### Repayment Issues

8. If it has been approved that a publication should be made available from Departmental stocks for sale to certain categories of personnel, an order will be promulgated detailing the basis of issue and the rate to be charged to personnel concerned.

9. Supply Officers should place demands on the Publications Authority, Garden Island, NSW, for the copies required, on Form SO150 quoting the reason for requirement and the relevant Navy Order. The publications are to be accounted for by the Supply Officer in accordance with ABR 4 Chapters 13 and 25.

10. Automatic updating is not provided for copies of publications issued on repayment, and demands for updating should be placed on the Publications Authority, Garden Island, NSW, upon notification of its availability. Again Form SX40 should be used for demanding these changes and the form should clearly state 'Required for amending Repayment Issue Copies'.

#### Other

11. Issues, etc, of periodicals and magazines are not included in monthly Navy Orders.

#### General Information

#### Publications

12. 'Change to Metric Information Service' published by Metal Trades Industries Association. Arrangements have been made to distribute the publication and supply fortnightly update sheets until 31 July 1975, including back issues to August 1972, to the following approved holders:

Addressee	Remarks	Qty
Selection Librarian, Campbell Park, 5th Floor Library .. .. .		1
DNEP MacArthur House Canberra .. .. .	For general use by DNEP, DNOI, DNSP ..	1
DFM Queanbeyan Offices .. .. .		1
GMGID .. .. .		2
GMWD .. .. .		2
CSS Sydney .. .. .	Held by SGSO .. .. .	1
GOSIEAA .. .. .		1
GOSIVIC .. .. .	To be shared with INO Melbourne ..	1
INO Sydney .. .. .		1
INO Adelaide .. .. .		1

Further copies will not be made available to other authorities.

13. ABR 2924—*Radio Hazards in the RAN*. Holders are to note in manuscript that ABR 2924 supersedes BR 2924 in the RAN. A formal amendment will be promulgated in due course. Copies of BR 2924 are to be disposed of in accordance with ABR 4, Article 2514 (3).

14. ABR 1043 Vol 2—*RAN Firing Manual Vol 2*. ABR 1043 volume 2 containing instructions for the conduct of gunnery and missile practices in the RAN has been introduced into service. ABR 1043 volume 2 will supersede BR 1043 volume 2 (1966) 'Obtaining and Maintaining Gunnery Efficiency at Sea'. Allowances have been issued without demand by the Publications Authority, Garden Island. BR 1043 volume 2 is to be disposed of in accordance with ABR 4, Article 2514 (3).

15. ABR 5016 Volumes 1 and 2—*Regulations and Instructions for the RAN*. Stocks of ABR 5016 are almost depleted, and as the publication is being progressively rewritten, any requisitions received will be critically examined. Only those requirements deemed essential will be supplied. All addressees who are holding excess copies or are capable of releasing copies are requested to arrange return to the Navy Publications Store, Pyrmont.

16. ABR 1920—*RAN Handbook on Ships Landing and Boarding Parties*. Holders of the publication should amend the number to read ABR 1920A.

#### ANNEXE A

#### Initial Issue of Basic Publications to Approved Holders

Publication No	Title	Edition
BR 2523 (4) B .. .. .	Catalogue of Naval Armament Stores .. .. .	71
BR 2802 (1) .. .. .	Draft H/bk for Sonar Type 162M Pt 2A, Pt 2C .. .. .	74
BR 2802 (2) .. .. .	Draft H/bk for Sonar Type 162M Pt 1, Pt 3B, Pt 6B, Pt 6.. .. .	74
BR 2802 (3) .. .. .	Draft H/bk for Sonar Type 162M Pt 5 .. .. .	74
BR 6595 (600) .. .. .	Gemini Craft Upkeep Information .. .. .	73
BR 764 .. .. .	Janes All the World Aircraft .. .. .	73-74
DOD 4140-17M .. .. .	Military Standard Requisitioning and Issue Procedure .. .. .	71
MBR 10335 .. .. .	Pallet Truck Crown Hand Series Pts Service Man .. .. .	—
MBR 9400C .. .. .	User Manual Diesel Engine Driven Air Compressor .. .. .	—
NAVSUP 4300 .. .. .	Master Cross Reference List .. .. .	72
NAOO-35QB-185 .. .. .	A-4E-A-4F Initial Outfitting list .. .. .	74
NAOO-35QR-421 .. .. .	AN/APX-72 Transponder Initial Outfitting List .. .. .	74
NA 01-40AV-IT .. .. .	A-4/TA-4 Aircraft Tactical Manual .. .. .	73
NA 01-40AVD-6-3 .. .. .	TA-4F A/craft Daily Maintenance Req. Cards .. .. .	74
NA 01-85SAD-2-10.. .. .	S-2D/2E A/c Section X Wiring Data Maint Instruct .. .. .	74
NA 01-85SAD-2-11.. .. .	S-2D/2E A/c Sect X1 Flight Cont Sys Maint Inst .. .. .	74
NA 01-85SAD-2-2 .. .. .	S-2D/2E A/c Sect 2 A/Frame Group Maint Insts.. .. .	74
NA 01-85SAD-2-3 .. .. .	S-2D/2E A/c Sect 3 Hydraulic Systems Maint Insts .. .. .	74
NA 01-85SAD-2-4 .. .. .	S-2D/2E A/c Sect 4 Utility Systems Maint Insts .. .. .	74
NA 01-85SAD-2-5 .. .. .	S-2D/2E A/c Sect 5 Power Plant Systems Maint Insts .. .. .	74
NA 01-85SAD-2-6 .. .. .	S-2D/2E A/c Sect 6 Instruments Maint Insts .. .. .	74
NA 01-85SAD-2-7 .. .. .	S-2D/2E A/c Sect 7 Arms Photo Equip Maint Instr .. .. .	74
NA 01-85SAD-2-8 .. .. .	S-2D/2E A/c Sect 8 Electronic Systems Maint Inst .. .. .	74
NA 01-85SAD-2-9 .. .. .	S-2D/2E A/c Sect 8 Electrical Systems Maint Inst .. .. .	74
NA 01-85SD-75-7 .. .. .	S-2D/E Torpedoes Conventional Weapons Check list .. .. .	74
NA 03-10-513 .. .. .	Cells Self Sealing Bladd Type Fuel Oil Maint Ins.. .. .	74
NA 03-30CY-644 .. .. .	Cylinder Assembly, Nose Landing Gear Retracting Ovhl Ins .. .. .	74
NA 03-5J-18 .. .. .	L.T. Ignition Systems .. .. .	74
NA 07-1-505 .. .. .	Toxicity Flashpoint Flammability Chems by Buweps .. .. .	74
OP 3000 V2 .. .. .	Weapons Systems Analysis of Weapons .. .. .	71
TO 5E6-2-40-3 .. .. .	Tech. Manual Overhaul Electrical Tachometer .. .. .	—
TO 5E6-2-40-4 .. .. .	IPB Electrical Tachometer Indicator .. .. .	—



ANNEXE B

Amendments Issued to Recorded Holders of Publications

Publication No.	Amendment/Changes
AAP 7000-002-1B1	SCPO 20
AAP 7001-006-1	21
AAP 7041-001-1	2
AAP 7111-009-3-1	15
AAP 7113-003-2	23
AAP 7113-004-3-1	32
AAP 7210-010-2-1	2
AAP 7210-010-2-3	2
AAP 7211-006-100	286, 287
AAP 7211-015-1-4	8
AAP 7211-015-2-1	14, 15
AAP 7211-015-3-2	4
AAP 7211-015-4-1	6
AAP 7212-001-100	229, 230
AAP 7212-001-2-1	34
AAP 7212-001-2-4	20
AAP 7212-001-3	29
AAP 7221-005-3M	38, 39
AAP 7291-008-100	2
AAP 7293-032-3M	8
AAP 7293-050-3	10
AAP 7293-062-3	3
AAP 7294-015-3M	14
AAP 7301-001-3	13
AAP 7341-001-2M	2, 3
AAP 7416-034-3M	5
AAP 7432-040-3M	7
AAP 7434-068-3M	4
AAP 7445-001-3M	2
AAP 7482-036-3M	5
AAP 7483-008-3M	4
AAP 7494-009-3M	5
AAP 7516-013-3M	8
AAP 7521-003-3M	13
AAP 7531-093-3M	1
AAP 7532-005-3M	7
AAP 7532-021-3M	8, 9
AAP 7532-028-3M	4
AAP 7533-006-3M	6
AAP 7533-015-3M	14
AAP 7533-018-3M	19
AAP 7619-071-3M	2
AAP 7633-117-2M	2
ABR 1077	14
ABR 1921	1
ABR 5059	2
ABR 5182	1
AP RAN 1V1	3, 4, 5
AP RAN 100 VI P1	20
AP RAN 100 VI P7	50

ANNEXE B—continued

Publication No	Amendment/Changes
AP RAN 100 V2 P2	23
AP RAN 100 V2 P3	51
AP RAN 2100	38, 39, 40, 41, 42
AP RAN 2115	RAN 001
AP RAN 500 V2 P1	239
AP RAN 602 V5 P1 P2 P3	82
AP RAN 8B V2 P3	23
AP 101C-0101-1A	AIL 7/74, 8/74
AP 101C-0401-4A3	25
AP 108D-0001-5FN	2
AP 108D-0201-5FN	2
AP 108F-0902-12	AIL 1/74
AP 113 B2 E12	39
AP 113D-0015-1	139, 140
AP 113F-0608-16	6
AP 116D-0133-2	409
AP 118B-1101-3A	5
AP 1464G V2 P1	LLET 124
AP 18035 VI B2	AIL 1/74
AP 2850A VI V6 P1	157
AP 3456F	3
AP 4343D V6 B2 57-13	143
AP 4343G V1	97
AP 4343P VI B2	15
AP 4343S VI B1	151
AP 4343S VI B2	167
AP 4343S VI B3	158
AP 4343X B1	87
AP 4343X B2	19
AP 4511 VI V6 B2	107
BR 1035	1
BR 1173 (3) (4)	8
BR 1492A	66, 67
BR 1669 (1)	1
BR 1754	RANCH 001
BR 1857 (3)	27
BR 1982	5
BR 1992	15
BR 2101 (1)	32
BR 2101 (2)	19
BR 2101 (5)	26
BR 2123 (1)	3
BR 2139 (2)	11
BR 2139 (3) F	9
BR 217 (3) G	16
BR 2211	12, 13
BR 2221 (1) A	15
BR 2221 (2)	16
BR 2225	7
BR 2227	4
BR 2359	8
BR 2367	12

ANNEXE B—continued

Publication No	Amendment/Changes
BR 2382	2
BR 2488 (5) (1)	5
BR 2500 (4)	12, AIL 1/74
BR 2523 (4) A	1
BR 2523 (4) B	2, 3
BR 2752 (6)	2
BR 2752 (9)	1
BR 2967 (1)	11, 12
BR 2987	6
BR 3119	16
BR 353	4
BR 3501	19
BR 4141	3
BR 4186	4
BR 4189	1
BR 4200 (2)	2
BR 996	7
JSP (AS) 102	7
MBR 8074	SUP 007, 8, 9
NAVSOP 1000 V4	217, 219
NAVSOP 3086	11
NAVSUP 1 V1	64
NAVSUP 1 V2	81, 83
NAVSUP 1 V4	60
NAVSUP 467	25
NAVSUP 485	45, 46, 47
NAVSUP 486	26, 27
NA 01-40AVC-2-4	7
NA 01-40AVC-6-3	1
NA 01-40AVD-1F	1
NA 01-40AVD-2-1	8
NA 01-40AVD-2-2-4	8
NA 01-40AVD-2-4	RAC 006, 007, 7, 8
NA 01-40AVD-2-4-2	RAC 001
NA 01-40AVD-2-8	RAC 001
NA 01-40AVD-2-9	740415
NA 01-40AVD-3	RAC 005, 740415
NA 01-85SAD-6-3	RAC 004
NA 02A-35GN-502	RAN 12
NA 02B-10DAA-4	5
NA 02B-10DAA-6-1	15
NA 03-100F-49	RAN 1
NA 03-110ACB-5	RAN 2
NA 03-25BB-502	RAC 001
NA 03-25EE-20	1
NA 03-30CY-603	RAN 1
NA 03-30CY-609	RAN 2
NA 05-20GF-11	3
NA 05-20WA-1	1
NA 05-30-97	1, 3
NA 05-45EDA-1	1
NA 11-5A-17	RAC 014

ANNEXE B—continued

Publication No	Amendment/Changes
NA 11-5E-17	1
NA 11-75AA-39	2
NA 11-75A-49	RAC 001
NA 11-75A-63	1
NA 11-75-38	RAC
NA 11-85-1	5
NA 13-1-6-2	NOTE 7408
NA 13-1-6-5	1
NA 16-30ARM156-2	1
NA 16-30-ARN84-2	1
NA 16-35TS1843-1	4
NA 16-35TS2161-1	2
NA 16-45-1278	2
OP2782 V2 P2	8
RANAL (CAT) 80	4
RANAL (CAT) 81	Pages 2, 3, 3a, 6 and amendment 001
RANAL (CAT) 82	2
RANAL (CAT) 83	4
RANAL (CAT) 84	1

ANNEXE C

Publications Declared Obsolete

Publication No	Title	Edition
ABR 1920 B6	Handbook for Naval Landing Parties V2 P6	1951
BR 1916	Notes for Electrical Officers	—

ANNEXE D

Publications Not Currently Available for Supply

Publication No	Title	Edition
BR 2215 V2	Minesweeping Manual	72
PIL 001-000405	Napier Deltic Engine Diesel Type 18 and 7A	70

(465/61/228)

(Navy Orders 158/74 and 236/74)

UNCLASSIFIED

103/75—Information Concerning and Distribution of Publications and Amendments Managed by Executive Officer Publications, Sydney—January 1975

1. The Annexe lists publications and amendments distributed, declared obsolete, superseded, etc, during January 1975.

2. Allowances for ships and establishments, as distinct from gratuitous and repayment issues will be issued without demand by the Publications Authority, Garden Island, NSW, in accordance with an approved scale and automatic updating is provided.

3. Holders of basic publications are reminded that only those issues recorded on NAVPUB will be updated without demand (Navy Order 158/74 refers).

4. Changes issued to publications held as advance copies or to publications not on general distribution are not reflected in Navy Orders.

#### Gratuitous Issues

5. Where it has been decided that a gratuitous or personal issue of a publication will be made, an order detailing the basis of issue and the personnel concerned, and instructing ships and establishments to obtain their requirements, for this purpose, through their Supply Officer will be promulgated.

6. Supply Officers should place demands on the Publications Authority, Garden Island, NSW, for the total number of copies required in their respective ship or establishment, on Form SO150 (Navy Order 236/74 refers), stating the reason for the requirement and quoting the relevant Navy Order. The publications are to be accounted for by the Supply Officer in accordance with ABR 4, Article 1301 and Article 2512.

7. Automatic updating is not provided for copies of publications on gratuitous issue and demands for updating should be placed on the Publications Authority, Garden Island, NSW, upon notification of its availability in Navy Orders. Form SX40 should be used for demanding changes and the form should clearly state 'Required for amending Personal Issue Copies'.

#### Repayment Issues

8. If it has been approved that a publication should be made available from Departmental stocks, for sale to certain categories of personnel, an order will be promulgated detailing the basis of issue and the rate to be charged to personnel concerned.

9. Supply Officers should place demands on the Publications Authority, Garden Island, NSW, for the copies required, on Form SO150 quoting the reason for requirement and the relevant Navy Order. The publications are to be accounted for by the Supply Officer in accordance with ABR 4 Chapters 13 and 25.

10. Automatic updating is not provided for copies of publications issued on repayment, and demands for updating should be placed on the Publications Authority, Garden Island, NSW, upon notification of its availability. Again Form SX40 should be used for demanding these changes and the form should clearly state 'Required for amending Repayment Issue Copies'.

11. Issues, etc, of periodicals and magazines are not to be included in monthly Navy Orders.

#### ANNEXE A

##### Initial Issue of Basic Publications to Approved Holders

Publication No	Title	Edition
BR 2961	H/bk for Automatic Voltage Regulator MK27 VR	68
ELIST-E1483	Fitter Outfits FBA (1) and (2)	67
ELIST-U268	Hull Outfits 20	74
ELIST-U278	For Sonar Hull Outfits	74
ELIST-U286	IDCT Type AS 1072	74
MBR-9308	Installation Specification Direction Finder FM16	67
NS0967-303-7090	Converter Signal Data Group AN/WSAIC Maint Manual	68
TEM-5805-0001	Telegraph Demodulator FSE401 Handbook	—

#### ANNEXE B

##### Amendments Issued to Recorded Holders of Publications

Publication No	Amendment/Changes
AAP-ABO-SE	E16, E17, E28, E31, E51, E52, No 895, No 896
AAP-ABO-SF	F36, F37, F38
AAP-7002-012-2	25
AAP-7210-010-100	9
AAP-7211-005-7-1	8
AAP-7512-006-3M	5
AAP-7533-016-3	13, 14, 15, 16
ABR 5113 SUP	1
ABR 5137	3
ABR 515 IVI	ERR 005
ABR 97	4
AP RAN 100 VI P7	ERR-AL 48
AP RAN 100 VI P8	ERR-AL 45
AP RAN 100 VI P9	ERR-AL 14
BR 1492 A (1)	24
BR 2139 (3) C	RAN 002
BR 2357	4
BR 2523 (5)	4
CAT H/bk H2-3	Sup May 74
CAT H/bk H4-3	Sup July 74
ELIST-E1483	1
MBR 8014	NOTE 002
NAV SUP IV2	84
NA 0I-85SAD-1	RAN 3, RAN4, RAN 5, RAN 6, RAN 7
NA 0I-85SAD-2-11	RAN 11
NA 17-15BA-208	RAN 1
NZBR 25	55
OP 1207	RAN 002
OP 2782 VI	4
OP 3455	2, 3, 4, 5

#### ANNEXE C

##### Publications Not Currently Available for Supply

Publication No	Title
BR 20 Volume 2	Flags of all Nations Volume 2—Standards of Sovereign and Heads of State. (465/61/228)

#### UNCLASSIFIED

##### 104/75—Introduction of BR 935 (7) Handbook For Gun Direction System Mark 5 Part 7 Performance Maintenance on Board

1. BR 935 (7) dated December 1972 has been approved for use in HMA Fleet and establishments.

2. Copies are being distributed to holders as listed in NAVPUB MDR.

(737/56/196)

AMENDMENTS

105/75—Curtains and Overcases in HMA Ships—Conditions of Selection

UNCLASSIFIED

Navy Order 109/74 is to be amended as follows:

Sub-paragraph a:

Delete: \$5.50 per yard.

Insert: \$7.50 per yard (\$8.27 per metre).

(1/7200/1)

(Navy Order 109/74)

## AMENDMENTS

10873—Conditions and Overhaul in HMA Ship—Conditions of Selection

UNCLASSIFIED

Ship Order 10873 is to be amended as follows:

Paragraph 2:

Insert \$2.50 per year.

Insert \$7.50 per year (\$2.50 per month).

(1720011)

(Ship Order 10873)



# AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,

28 March 1975

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

A handwritten signature in cursive script, appearing to read 'J. Green'.

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

CONTENTS

No Title

SECTION 3 - OPERATIONAL AND TRAINING

106/75 Officers Course Program 1975

107/75 Sailors Course Program 1975

Section 3

OPERATIONAL AND TRAINING

UNCLASSIFIED

106/75 - Officers Course Program 1975

1. The revised program for officers courses in 1975 is detailed at Annex A of this order, and lists all courses programmed after 31 March 1975.
2. The courses listed 'as arranged' should be arranged at a mutually convenient time, directly with the conducting establishment.
3. Courses for Commanding Officers designate will be arranged by Department of Defence (Navy Office) as the requirement arises.
4. Alterations and additions to this course program will be promulgated by Navy Orders.
5. Navy Order 374/74 is hereby cancelled.

UNCLASSIFIED

SECTION 3 - OPERATIONAL AND TRAINING

OFFICERS COURSE PROGRAM 1975

Order No.	Course Title	Category	Duration	Remarks
001101	...	...	...	...
001102	...	...	...	...
001103	...	...	...	...
001104	...	...	...	...
001105	...	...	...	...
001106	...	...	...	...
001107	...	...	...	...
001108	...	...	...	...
001109	...	...	...	...
001110	...	...	...	...
001111	...	...	...	...
001112	...	...	...	...
001113	...	...	...	...
001114	...	...	...	...
001115	...	...	...	...
001116	...	...	...	...
001117	...	...	...	...
001118	...	...	...	...
001119	...	...	...	...
001120	...	...	...	...



## ANNEXE A

BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS
AIRCREW	901711	BATC	CERBERUS	30	03.03.75	11.04.75		Pilots and observers pilots
					19.05.75	27.06.75		
	901100	Pilot 95 96 97	RAAF PT COOK		14.04.75 30.06.75 22.09.75	T.B.P. T.B.P. T.B.P.		
	901101	Pilot 95 96	RAAF PEARCE		T.B.P. T.B.P.			
	901102	Observers No. 4	RAAF East Sale		30.07.75	T.B.P.		
	901103	ATC	RAAF East Sale		05.05.75 11.08.75	05.09.75 12.12.75		
	901104	Flying Instructor	RAAF East Sale		01.09.75	12.12.75		
	901105	Helo Instructor	RAF Ternhill		T.B.P.			
	901106	Quadradar	RAAF East Sale		04.08.75 03.11.75	12.09.75 12.12.75		
	901110	Advanced Navigation	RAAF East Sale		14.07.75	21.11.75		
	901127	Wessex Conversion	ALBATROSS	As Req'd	27.01.75 17.02.75	N.K. N.K.		

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BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS
	901080	Sea King OFS	ALBATROSS		T.B.P.			
	901079	Sea King Conversion	ALBATROSS		T.B.P.			
	901132	Tracker OFS	ALBATROSS	100	07.04.75	N.K.		Leave to be added
	901133	Skyhawk OFS	ALBATROSS	110	06.01.75	N.K.		Leave to be added
	901345	Aircrew Orientation	CERBERUS	30	26.05.75 18.08.75	04.07.75 26.09.75		Observers Pilots Include 901342/3 and 901300
	901439	OFS ASW	WATSON	10	As arranged			
	901123	Squadron Survival Officer	ALBATROSS	15	As arranged		4-8	
	901159	Officers EAC AVN SE Maintenance	ALBATROSS	15	As arranged		2-6	
	915520	A4 EAC AVN SE Maintenance	ALBATROSS	5	As arranged		2-6	
	901445	Basic Aircrew AIO Acquaint	WATSON	5	As arranged			
	NN	S2E Observer/ Sensor Operator EW	WATSON	As Req'd	as arranged			
	901124	Tracker Weapons	ALBATROSS	40	28.04.75	04.07.75	2	INC MACCHI REFAM

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## ANNEXE A

BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS
		O						
	901125	AWI	ALBATROSS	100	23.06.75	28.11.75	2-3	
AIO, Navigation, Tactical	901601	Post PWO RAN Famil.	WATSON	20	05.05.75 01.09.75	30.05.75 26.09.75	3-6	Includes 2-3 days at sea in DDG/DE/SM
	901094	Senior Officers Tactical Study Period	WATSON	10	01.09.75	12.09.75		
	901431	RAN Tactical	WATSON	15	06.10.75	24.10.75	12-25	
	901434	Junior Officers Tactical	WATSON	10	23.06.75 10.11.75	04.07.75 21.11.75	12-30	
	901458	Basic Nav General	WATSON	15	07.07.75	25.07.75	6	2 days sea in week 3
	901459	Basic Nav Astro	WATSON	10	23.06.75	04.07.75	4-20	
	901480	AIO Refresher	WATSON	10	29.09.75	10.10.75	3-6	
	904110	CTT PWT (AIO)	WATSON	8	as arranged			
	901603	CO Designav Refresher	WATSON	As Req'd	as arranged			
	901605	CO Desig MSC	PENGUIN		as arranged			
	901433	CO Desig MHC	PENGUIN		as arranged			
	NN	XO Desig ND	WATSON		as arranged			

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BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS
	901467	MWV Nav	WATSON	5	as arranged			
	901610	PB CO Desig	WATERHEN		as arranged			
	901611	LCH CO Desig	MORETON		as arranged			
	901066	SM Fire Controller	WATSON	5	as arranged			
	901067	SM CO Refresher	WATSON	10	as arranged			
NN		Ship Command Test Refresher (NAV)	WATSON	As Req'd	as arranged			
NN		Ship Command Test Refresher (AIO)	WATSON	As Req'd	as arranged			
NN		CO Desig Tactical	WATSON	As Req'd	as arranged			
	901444) 901436) 901446)	Phase III N/AIO/ TAS	WATSON	35	13.10.75	28.11.75		
	901065	Submarine Attack Co-ordinator	WATSON	25	17.03.75	11.04.75		
	901064	SM Sonar Officer	WATSON	25	as arranged			
NN		GLEK MIDN Nav	WATSON	5	07.04.75 09.06.75	11.04.75 13.06.75		
	901466	Short Nav Pt 1	WATSON	15	07.04.75 26.05.75	24.04.75 13.06.75		3 days sea week 2

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BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS
					28.07.75	15.08.75		
					25.08.75	12.09.75		
					22.09.75	10.10.75		
					20.10.75	07.11.75		
					01.12.75	19.12.75		
	901466	Small Ships Nav Pt 2	WATSON	3	28.04.75	30.04.75	1-6	
					16.06.75	18.06.75		
					18.08.75	20.08.75		
					15.09.75	18.09.75		
					13.10.75	15.10.75		
					10.11.75	12.11.75		
	901510	Joint Warfare	RAAF WILLIAMTOWN	10	07.07.75	18.07.75	8	New Course
	901534	Intro to Joint Warfare	RAAF WILLIAMTOWN	5	14.04.75	18.04.75	8	New Course
	901509	SOJWSP	RAAF WILLIAMTOWN	4	10.06.75	13.06.75	8	New Course
	901456	AIC	TBP	50	29.09.75	05.12.75	2	New Course
ASW	901437	Demolition Supervisor	WATSON	5	14.04.75	18.04.75	4-8	
					21.07.75	25.07.75		
					01.09.75	05.09.75		
					03.11.75	07.11.75		
	901604	CO Desig ASW	WATSON	As Req'd	as arranged			
	901400	Senior Officer Study Period	AJASS	5	01.12.75	05.12.75		

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BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS
	901404	Joint ASW Introduction	AJASS	5	29.09.75	03.10.75		
	901405	Joint ASW Tactical	AJASS	10	07.04.75	18.04.75		
	901438	ASW Acquaint	WATSON	5	05.05.75	09.05.75	-10	
					28.07.75	01.08.75		
					24.11.75	28.11.75		
	901482	Degaussing for NAV/TAS O	WATSON	1	as arranged			
GUNNERY	901388/ 901391	Explosives Accounting and Custody	CERBERUS	4	22.07.75	25.07.75		
					23.09.75	26.09.75		
	901602	CO Desig (Gunnery)	CERBERUS	As Req'd	as arranged			
	901620	XO Desig (Gunnery)	CERBERUS	As Req'd	as arranged			
DIVING	901425	Ships Diving Officer	PENGUIN	20	as arranged			Courses commence weekly in conjunction with 903200 (Ships Diver)
DIVISIONAL	901342/ 901343	Junior Officers Admin	CERBERUS	20	02.06.07	27.06.75		Aircrew (Dates TBC)
					25.08.75	19.09.75		SLEX Phase III IOs
					30.06.75	25.07.75	7)	GL Ex- OW

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BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS
					28.07.75	29.08.75	12	Course and as arranged
PUBLIC RELATIONS	901518	PRO	DEFNAV	5	As arranged			
HYDROGRAPHY	901530	H4	PENGUIN	119	11.08.75	12.12.75	5	
NEW ENTRY	901340	Direct Entry Orientation	CERBERUS	13	30.06.75	16.07.75	-20	IO
	901730	SDEN Officers on Promotion	CERBERUS		T.B.P.			
INSTRUCTOR	901182/ 901446	TAS/N/AIO	WATSON	60	24.03.75	13.06.75		Sea 3 weeks
	901183	Basic Electronics	CERBERUS	35	26.06.75	07.08.75		
	901184	Telecommunications	CERBERUS	39	08.08.85	02.10.75		
	901185	Computations	CERBERUS	20	08.08.75	05.09.75		
	901186	Radar	CERBERUS	20	08.08.75	05.09.75		
	901187	Surface Weapons	CERBERUS	10	08.08.75	22.08.75		
	901340	Orientation	CERBERUS	13	30.06.75	16.07.75		
	901300	Prelim NBCD	CERBERUS	5	21.07.75	25.07.75		
	903600	Instructional	CERBERUS	8	28.07.75	06.08.75		

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BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS
		Technique						
	901181	IO Duties Pt 1/2	CERBERUS	10	11.08.75	22.08.75		
	901342/3	JO Admin	CERBERUS	20	25.08.75	19.09.75		
	901182/ 901446	TAS/N/AIO	WATSON	60	22.09.75	12.12.75		Sea 3 weeks
	901183	Basic Electronics	CERBERUS	35	.01.76	-		
	901184	Telecommunications	CERBERUS	39	.02.76	-		
	901185	Computations	CERBERUS	20	.02.76	-		
	901186	Radar	CERBERUS	20	.02.76	-		
	901187	Surface Weapons	CERBERUS	10	.02.76	-		
	901470	IO Intro Met	ALBATROSS		as arranged			
	901188	Met Windfinding and Radar	ALBATROSS		as arranged			
MCD	901432	MCDO	PENGUIN		09.06.75	1976	-9	
MEDICAL/ DENTAL	901196	Dental Officers Famil	CERBERUS	7	20.01.75	28.01.75	9	
	901083	ADV MO UW MED	PENGUIN	10	24.03.75	05.04.75		
	901197	Foreign Officers UW Med	PENGUIN	65	13.01.75	24.04.75		Join 901191

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BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS
	901198	WM/SS Med	PENGUIN	10	as arranged			
MARINE ENGINEERING	901370	MEO Power Electrics	CERBERUS	100	24.02.75 22.07.75	18.07.75 10.12.75		
	901365	ENME SM Reversion to GS	CERBERUS	20	as arranged			
	901068	SDEN (Ex-SH) Refresher	CERBERUS	50	07.07.75	12.09.75	4	
	901755	ME Introductory	CERBERUS	50	03.03.75	16.05.75	3	
SECURITY	901528	Security Acquint	PENGUIN	3	14.05.75 13.08.75 12.11.75	16.05.75 15.08.75 14.11.75	) ) )	Conducted by DEFNAV
	901351	Security Officers Qualifying	PENGUIN	5	15.09.75	19.09.75	) )	Conducted by DEFNAV
	901532	Adv Security	PENGUIN	10	07.07.75	18.07.75	) )	Conducted by DEFNAV
	901215	Registered Publication	PENGUIN	2	07.04.75 03.06.75 07.10.75	08.04.75 04.06.75 08.10.75	) ) )	Conducted by DEFNAV
SUPPLY AND SECRETARIAT	901494	B Sc	CERBERUS	100	25.08.75	1976		
	NN	Supply Charge Course	CERBERUS	50	as arranged		-8	
TRAINING	901260	Training Admin.	CERBERUS	10	07.04.75	18.04.75	-16	

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BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS
TECHNOLOGY					08.09.75	19.09.75		
	903610	Training Technology	CERBERUS	40	01.04.75 01.09.75	03.06.75 30.11.75		Foreign Officers only
	903600	Instruc. Course	CERBERUS	8	21.04.75 30.04.75 12.05.75 02.06.75 11.06.75 30.06.75 09.07.75 28.07.75 06.08.75 18.08.75 23.09.75 13.10.75 22.10.75 10.11.75 19.11.75 01.12.75	30.04.75 09.05.75 21.05.75 11.06.75 20.06.75 09.07.75 18.07.75 06.08.75 15.08.75 27.08.75 02.10.75 22.10.75 31.10.75 19.11.75 28.11.75 10.12.75		WATSON WATSON
	903660	Training Analysis	CERBERUS	5	05.05.75 09.06.75 28.07.75 06.10.75 20.10.75 17.11.75	09.05.75 13.06.75 01.08.75 10.10.75 24.10.75 21.11.75		WATSON ALBATROSS ALBATROSS NIRIMBA
	903630	Training Systems Acquaint	CERBERUS	1	21.04.75 30.04.75 05.05.75 12.05.75 02.06.75			WATSON

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BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS
					09.06.75			WATSON
					11.06.75			WATSON
					30.06.75			
					09.07.75			
					28.07.75			
					06.08.75			
					18.08.75			
					23.09.75			
					06.10.75			
					13.10.75			ALBATROSS
					20.10.75			ALBATROSS
					22.10.75			ALBATROSS
					10.11.75			
					17.11.75			NIRIMBA
					19.11.75			
					01.12.75			
	903670	Training Design	CERBERUS	5			1-16	Pre-requisite Training Analysis 903660 WATSON
					12.05.75	16.05.75		
					16.06.75	20.06.75		
					04.08.75	08.08.75		
					13.10.75	17.10.75		
					27.10.75	31.10.75		ALBATROSS
					24.11.75	28.11.75		NIRIMBA
	903640	Quality Control	CERBERUS	10			6-12	Pre-requisite: Instructor Course 903600
					21.04.75	02.05.75		
					23.06.75	04.07.75		WATSON
					14.07.75	25.07.75		
					22.09.75	03.10.75		
					10.11.75	21.11.75		NIRIMBA

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BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS
WEAPON ELECTRONIC ENGINEERING	901175	Ikara Management	RANITE	5	01.09.75	05.08.75	-2	DDG
	901173	Junior WEEO Acquaint	CERBERUS	10	04.08.75	15.08.75		
	901360	GLEN WEL to GLEN WE Conversion	NIRIMBA	21	as arranged			
	901177	Officers NAVCOMSTA	HARMAN		as arranged			
	901178	Degaussing (WEEOs)	WATSON	2	as arranged			
WRAN OFFICERS	947500	OTC (COMMS)	CERBERUS	10	05.05.75	16.05.75		
	947700	OTC	CERBERUS	77	19.05.75	02.09.75		
	907500	COMMS	CERBEURS	30	03.09.75	14.10.75		
RANR	901341	PCOC	CERBERUS	10	as arranged			
	901055	MWVCO PCT	CERBERUS		as arranged			
	901442	AIO and Fleetwork	WATSON	10	07.04.75	18.04.75		
	901441	Nav Pt 2	WATSON	10	11.08.75	22.08.75		
					25.08.75	05.09.75		
	901440	NI Test	WATSON	-	as arranged			
	903080	NBCD	PENGUIN	14 even-	as arranged			

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BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS
NECD	901300	Prelim NBCD	CERBERUS	5	21.07.75	25.07.75		ings and as arranged
	901301	Junior Officers NECD	PENGUIN	10	T.B.P.			Junior Officers may attend 902410 (Sailors Advanced Course) in the interim
	901302	Combined Services Med. and Den. Officers NBC	PENGUIN					as arranged
	903080	RANR	PENGUIN	14 even- ings				as arranged
	901194	Officers NBCD Refresher	PENGUIN	5	T.B.P.			
	901600	CO Desig NBCD PCT	PENGUIN	2				as arranged
	901620	XO Desig NBCD PCT	PENGUIN	2				as arranged
	901070	NBCD Task PCT	PENGUIN	3	T.B.P.			
	901306	NBC Prot Off PCT	PENGUIN	3				as arranged
	901071	Ships MO NBCD PCT	PENGUIN	3	T.B.P.			
	901072	MINPAB NBCD PCT	PENGUIN	1				as arranged

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BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS
	901073	Establishment Passive Defence Officer PCT	PENGUIN CERBERUS	3				as arranged
SUPP. LIST SEAMAN	901387(Pt1)	Gunnery	CERBERUS	5	04.08.75	08.08.75		2/73 SLEX Phase 3
	901388	Communications	CERBERUS	10	11.08.75	22.08.75		
	901342/3	JO Admin	CERBERUS	20	25.08.75	19.09.75		
	901387(Pt2)	Gunnery	CERBERUS	10	23.09.75	03.10.75		
	901149	Air	ALBATROSS	5	06.10.75	10.10.75		
	901436/ 901444/ 901446	AIO/N/TAS	WATSON	35	13.10.75	28.11.75		
	902410	ADV NBCD	PENGUIN	10	01.12.75	12.12.75		
	901598	Phase I	CERBERUS	85	17.02.75	13.06.75		1/75 SLEX
	901443	Phase I Nav	WATSON		19.05.75 30.06.75	27.06.75 08.08.75		Group 1 Group 2
NATIONAL EMERG SERV	NN	Exec Disaster Planning	Mt MACEDON	5	25.05.75 27.07.75	30.05.75 01.08.75	1	
	NN	SO Disaster Planning	Mt MACEDON	10	09.11.75	21.11.75	1	

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107/75 - Sailors Course Program 1975

1. The revised program for 1975 is detailed at Annexe A of this order.
2. All course amendments known at 14 February 1975 have been incorporated and courses completing prior to 1 April 1975 have been deleted.
3. The duration of courses shown is the period specified in appropriate syllabuses and actual course lengths may vary. Training establishments are to report changes in completion dates of courses in monthly returns on Form PE106 when such changes are known.
4. Sailors posted to courses of three months duration or longer will be required, if applicable, to effect a re-engagement which will ensure that a period equal to at least the course length plus a period of one year's service remains to be served by the sailor after completion of the course. Where a current engagement equals or exceeds this return of service requirement, a new engagement need not be effected. The provisions of RI 0824 Paragraphs 2 to 6 continue to apply.
5. Where an elective discharge is involved with a return of service, reference is also to be made to current regulations.
6. Applications to re-engage, where applicable, are to be made by signal and on Form PR10 on receipt of posting notes. Should a sailor, who is required to re-engage, not intend to do so, this is to be signalled promptly in order that a replacement can be posted.
7. Where applicable, sailors are to be lent to establishments for courses under two months duration.
8. Applications for 'PCT' and 'continuation training' courses should be made in accordance with ABR 27 Volume II. Those courses listed as 'as arranged' are to be arranged direct, at a mutually convenient date, between the user and the training establishment. Every attempt is to be made to plan at least one month in advance.
9. Submarine career and PCT courses will be programmed in the SCTT as the syllabuses are approved.
10. Alterations and additions to the program will be notified by re-issue of the Annexe to this order.
11. Navy Order 375/74 is hereby cancelled.



## ANNEXE A

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
NEW ENTRY	910700	Adult Male Recruit	CERBERUS	58	-	-	05.02.75 05.03.75 02.04.75 30.04.75 28.05.75 25.06.75 23.07.75 20.08.75 17.09.75 15.10.75 12.11.75	25.04.75 24.05.74 20.06.75 18.07.75 15.08.75 12.09.75 10.10.75 07.11.75 05.12.75 .76 .76	50-70	
	910710	Junior Recruit	LEEWIN	240	-	-	15.07.74 14.10.74 08.01.75 14.04.75 14.07.75 13.10.75	10.06.75 23.09.75 09.12.75 23.03.76 08.06.76 21.09.76	89 144 252 188 216 144	Including following courses: a. Recruit Training Course No. 901700 b. Ship Husbandry Course No. 902100 c. New Entry Survival at sea d. 2 days local fire fighting training

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
	910000	AETC	NIRIMBA	27 mths			.01.74 13.01.75	12.03.76 T.B.D.	4-16	
	910010	AETW	NIRIMBA	24 mths			.01.74 13.01.75	19.12.75 T.B.D.	4-16	
	910020	ALTS	NIRIMBA	27 mths			.01.74 .07.74 13.01.75 08.07.75	12.03.76 03.09.76 T.B.D. T.B.D.	4-16 4-16 4-16	
	910030	AMTP	NIRIMBA	27 mths			.01.74 .07.74 13.01.75 08.07.75	12.03.76 03.09.76 T.B.D. T.B.D.	8-48 8-32	
	910040	AMTH	NIRIMBA	27 mths			.01.74 .07.74 13.01.75 08.07.75	12.03.76 03.09.76 T.B.D. T.B.D.	8-32 8-16	
	910050	AMTL	NIRIMBA	24 mths			.01.74 .07.74 13.01.75 08.07.75	19.12.75 25.06.76 T.B.D. T.B.D.	4-16 4-16	
	9110060	AATA	NIRIMBA	24 mths			.01.74 13.01.75	19.12.75 T.B.D.	4-16	
	910070	AATC	NIRIMBA	27 mths			.01.74 13.01.75	12.03.76 T.B.D.	4-16	
	910080	AATW	NIRIMBA	24 mths			.01.74 13.01.75	19.12.75 T.B.D.		

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
SEAMAN PROMOTION	902540	Cox'n Conversion	KUTTABUL	45	PENGUIN (Medical) CERBERUS		05.05.75 08.09.75	04.07.75 07.11.75		
	902640	Charge Cox'n	KUTTABUL	10			07.04.75 21.07.75 04.08.75 18.08.75	18.04.75 01.08.75 15.08.75 29.08.75		
	911910	Adv QMG	CERBERUS	115	PENGUIN	NBCD	06.01.75	19.01.75	3-6	
					CERBERUS	Gunnery	20.01.75	16.05.75		
					CERBERUS	S'Ship	19.05.75	-		
	911920	Adv CD	PENGUIN	125 (incl 10 NBCD)	PENGUIN	NBCD	07.04.75	18.04.74	4-8	4 RMN
					CERBERUS	Gunnery	21.04.75	08.08.75		
					CERBERUS	S'Ship	11.08.75	-		
911930	Adv SR	PENGUIN	94 (incl 10 NBCD)	PENGUIN	NBCD	10.02.75	01.08.75	4-8	2 RMN	
				CERBERUS	S'Ship	04.08.75	-			
911940	Adv UT	WATSON	75	PENGUIN	NBCD	17.02.75	01.03.75	5-8	Incl leave	
				CERBERUS	S'Ship	03.03.75	13.06.75			
						30.06.74	26.07.74			
						21.04.75	16.05.75			
						19.05.75	18.07.75			

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
	911960	Adv UC	WATSON	100	PENGUIN	NBCD	21.07.75	01.08.75	5-8	Sea 29.09.75- 10.10.75
					WATSON		28.07.75	31.10.75		
	911950	Adv RP	WATSON	90	CERBERUS	S'Ship	03.11.75	28.11.75	6-9	
					PENGUIN	NBCD	01.12.75	12.12.75		
	911970	ADVFC	CERBERUS	111 (incl 10 NBCD)	WATSON	NBCD	04.08.75	31.01.75	6-12	6 RMN
					PENGUIN	S'Ship	03.11.75	14.11.75		
	911980	ADVWM	CERBERUS	117 (incl 10 NBCD)	CERBERUS	NBCD	17.11.75	-	6-8	
					PENGUIN	Gunnery	19.05.75	30.05.75		
	911710	ABQMG	CERBERUS	NK	PENGUIN	Gunnery	02.06.75	06.10.75	3-6	
					CERBERUS	S'Ship	06.10.75	NK		
PENGUIN					NBCD	03.02.75	14.02.75			
CERBERUS					Gunnery	17.02.75	13.06.75			
						16.06.75	NK			
						07.07.75	18.07.75			
						22.07.75	07.10.75			
						10.07.75	NK			
						03.02.75	07.02.75			
						28.01.75	NK			
							NK			
						03.03.75	07.03.75			
						24.02.75	NK			
							NK			
						01.04.75	04.04.75			
						24.04.75	NK			

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Branch or Group	EDP NO.	Course	Conducting Establish-ment	Duration in days	Supporting Establish-ment	Subject	Start- ing date	Comple- tion date	Min/ Max Nos.	Remarks
						S'Ship		NK		
						NBCD	05.05.75	09.05.75		
						Gunnery	28.04.75	NK		
						S'Ship		NK		
						NBCD	30.06.75	04.07.75		
						Gunnery	23.06.75	NK		
						S'Ship		NK		
						NBCD	28.07.75	01.08.75		
						Gunnery	22.07.75	NK		
						S'Ship		NK		
						NBCD	29.09.75	02.10.75		
						Gunnery	23.09.75	NK		
						S'Ship		NK		
						NBCD	27.10.75	31.10.75		
						Gunnery	20.10.75	NK		
						S'Ship		NK		
	911730	ABSR	PENGUIN	82 (incl 5 NBCD)	CERBERUS PENGUIN	S'Ship	06.01.75	18.01.75	-10	
							20.01.75	27.04.75		
						S'Ship	30.06.75	12.07.75		
							14.07.75	10.10.75		
	911740	ABUW	WATSON	25 (incl 5 Dem)	CERBERUS PENGUIN WATSON	S'Ship	20.03.75	04.04.75	3,5,	
						NBCD	07.04.75	11.04.75	6 or 10	
							14.04.75	16.05.75		
						S'Ship	13.06.75	27.06.75		

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Branch or Group	EDP NO.	Course	Conducting Establish-ment	Duration in days	Supporting Establish-ment	Subject	Start- ing date	Comple- tion date	Min/ Max Nos.	Remarks
					PENGUIN WATSON	NBCD	30.06.75	04.07.75		
							07.07.75	08.08.75		
					CERBERUS PENGUIN WATSON	S'Ship	04.08.75	15.08.75		
						NBCD	18.08.75	22.08.75		
							25.08.75	26.09.75		
					CERBERUS PENGUIN WATSON	S'Ship	06.10.75	17.10.75		
						NBCD	20.10.75	24.10.75		
							27.10.75	28.11.75		
	911760	ABUC	WATSON	35	CERBERUS PENGUIN WATSON	S'Ship	21.02.75	07.03.75	6-12	
						NBCD	10.03.75	14.03.75		
							17.03.75	02.05.75		
					CERBERUS PENGUIN WATSON	S'Ship	18.04.75	02.05.75		
						NBCD	05.05.75	09.05.75		
							12.05.75	27.06.75		
					CERBERUS WATSON PENGUIN	S'Ship	30.06.75	11.07.75		
						NBCD	14.07.75	29.08.75		
							01.09.75	05.09.75		
					CERBERUS PENGUIN WATSON	S'Ship	04.08.75	15.08.75		
						NBCD	18.08.75	22.08.75		
							25.08.75	26.09.75		
					CERBERUS PENGUIN WATSON	S'Ship	06.10.75	17.10.75		
						NBCD	20.10.75	24.10.75		
							27.10.75	28.11.75		
	911750	ABRP	WATSON	40-60	CERBERUS WATSON PENGUIN	S'Ship	06.01.75	17.01.75	6-8	Some Courses will be
							20.01.75	11.04.75		
						NBCD	14.04.75	18.04.75		

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
					CERBERUS WATSON PENGUIN	S'Ship NBCD	11.04.74 28.04.75 14.07.74	24.04.75 11.07.74 18.07.74		cancelled when AIOTT commissioning date is known
					CERBERUS PENGUIN WATSON	S'Ship NBCD	28.04.74 12.05.75 19.05.75	09.05.75 16.05.75 01.08.75		
					CERBERUS PENGUIN WATSON	S'Ship NBCD	19.05.75 02.06.75 09.06.75	30.05.75 06.06.75 22.08.75		
					CERBERUS PENGUIN WATSON	S'Ship NBCD	06.06.75 23.06.75 30.06.75	20.06.75 27.06.75 12.09.75		
					CERBERUS PENGUIN WATSON	S'Ship NBCD	07.07.75 21.07.75 29.07.75	18.07.75 25.07.75 10.10.75		
					CERBERUS PENGUIN WATSON	S'Ship NBCD	18.07.75 04.08.75 11.08.75	01.08.75 08.08.75 24.10.75		
					CERBERUS PENGUIN WATSON	S'Ship NBCD	25.08.75 08.09.75 15.09.75	05.09.75 12.09.75 28.11.75		
					CERBERUS PENGUIN WATSON	S'Ship NBCD	08.09.75 22.09.75 29.09.75	19.09.75 26.09.75 12.12.75		
					CERBERUS	S'Ship	12.09.75	26.09.75		

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
					PENGUIN WATSON	NBCD	29.09.75 07.10.75	03.10.75 1976		Incl leave
					CERBERUS PENGUIN WATSON	S'Ship NBCD	06.10.75 20.10.75 27.10.75	17.10.75 24.10.75 1976		
					CERBERUS PENGUIN WATSON	S'Ship NBCD	20.10.75 03.11.75 10.11.75	31.10.75 07.11.75 1976		
	911770	ABFC	CERBERUS	As Req'd		NBCD GUNNERY S'Ship	03.02.75 28.01.75	07.02.75 NK NK	3-6	
						NBCD Gunnery S'Ship	03.03.75 24.02.75	07.03.75 NK NK		
						NBCD Gunnery S'Ship	01.04.75 24.03.75	04.04.75 NK NK		
						NBCD Gunnery S'Ship	05.05.75 28.04.75	09.05.75 NK NK		
						NBCD Gunnery S'Ship	02.06.75 26.05.75	06.06.75 NK NK		
						NBCD Gunnery	30.06.75 23.06.75	04.07.75 NK		

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
	911780	ABWM	CERBERUS	As Req'd		S'Ship		NK		
						NBCD Gunnery S'Ship	28.07.75 22.07.75	01.08.75 NK NK		
						NBCD Gunnery S'Ship	25.08.75 18.08.75	29.08.75 NK NK		
						NBCD Gunnery S'Ship	29.09.75 23.09.75	03.10.75 NK NK		
						NBCD Gunnery S'Ship	27.10.75 20.10.75	31.10.75 NK NK		
						NBCD Gunnery S'Ship	24.11.75 17.11.75	28.11.75 NK NK		
						NBCD Gunnery S'Ship	03.02.75 28.01.75	07.02.75 NK NK	8-10	
						NBCD Gunnery S'Ship	03.03.75 24.02.75	07.03.75 NK NK		
						NBCD Gunnery S'Ship	01.04.75 24.03.75	04.04.75 NK NK		

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
	911790	ABCD	PENGUIN	110 (incl 5 NBCD)	CERBERUS PENGUIN	NBCD Gunnery S'Ship	05.05.75 28.04.75	09.05.75 NK NK		
						NBCD Gunnery S'Ship	02.06.75 26.05.75	06.06.75 NK NK		
						NBCD Gunnery S'Ship	28.07.75 22.07.75	01.08.75 NK NK		
						NBCD Gunnery S'Ship	25.08.75 18.08.75	29.08.75 NK NK		
						NBCD Gunnery S'Ship	27.10.75 20.10.75 NK	31.10.75 NK NK		
					CERBERUS PENGUIN	S'Ship	- 17.02.75 03.03.75	24.05.75 28.02.75 08.08.75	8-16	4/74
					CERBERUS PENGUIN	S'Ship	19.05.75 02.06.75	30.05.75 31.10.75		
					CERBERUS PENGUIN	S'Ship	30.06.75 14.07.75	11.07.75 1976		Incl leave
					CERBERUS PENGUIN	S'Ship	13.10.75 27.10.75	24.10.75 1976		Incl leave

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
SEAMAN CAREER & PCT	911820	LSPT(Q)	CERBERUS	260		S'Ship PT	07.01.75 10.02.75	07.02.75 20.02.76	18	
	903190	ASAC requal.	WATSON	5			12.05.75 14.07.75 01.12.75	16.05.75 18.07.75 05.12.75	4-6	
	902120	Sen. Sailors Nav.	WATSON	25			24.02.75 25.08.75 03.11.75	27.03.75 03.10.75 05.12.75	4-12	Sea support weeks 3 & 4
	902560	Support Craft Charge	WATSON	15			29.09.75	17.10.75	4-8	Sea 9-10 Oct
	903230	Small Ships SE	ALBATROSS	10			As arranged		2-8	
	903290	ASAC	WATSON	25	WATSON ALBATROSS WATSON COMAUSFLT		27.03.75 08.04.75 11.04.75 21.04.75	07.04.75 10.04.75 20.04.75 02.05.75		
				WATSON ALBATROSS WATSON COMAUSFLT		19.05.75 27.05.75 30.05.75 09.06.75	26.05.75 29.05.75 08.06.75 20.06.75			
				WATSON ALBATROSS WATSON COMAUSFLT		24.07.75 05.08.75 08.08.75 18.08.75	04.08.75 07.08.75 17.08.75 29.08.75			

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
					WATSON ALBATROSS WATSON COMAUSFLT		10.09.75 23.09.75 26.09.75 07.10.75	22.09.75 25.09.75 06.10.75 17.10.75		
					WATSON ALBATROSS WATSON COMAUSFLT		23.10.75 04.11.75 07.11.75 17.11.75	03.11.75 06.11.75 16.11.75 28.11.75		
	903310	EOD Refresher	PENGUIN	5			As arranged			
	904090	T10	WATSON	5			As arranged			
	904100/ 904110	T11	WATSON	5			As arranged			
	903420	Recruit School Instructor	CERBERUS				As arranged			
	904200	Landing Party HQ	CERBERUS FOCEA	5			As arranged			
	904230	Landing Party PWT	CERBERUS FOCEA	5			As arranged			
	911310	EOD Instructor	PENGUIN	30			As arranged			

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
	911360	4.5" PWT	CERBERUS	5			As arranged		6-18	
	911630	Seacat Aimer	CERBERUS	15	COMAUSFLT		19.05.75 14.07.75	06.06.75 31.07.75		Foreign Seacat firing Ship 4.8.75 - 8.8.75 Seacat Firing Ship 29.9.75 - 3.10.75 Seacat Firing Ship 27.10.75 - 31.10.75
	911690	Close Range PCT	CERBERUS	5			As arranged		6-12	
	911810	LCH Gunnery PCT	CERBERUS	5			As arranged		3-12	
	911640	Seacat Aimer Refresher	CERBERUS	5			14.04.75 06.10.75	19.04.75 10.10.75	6	
	951340	Sonar 193 PCT	PENGUIN	10			As arranged			

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
	NN	UCDD PWT	WATSON	5			As arranged			
	NN	UCDE PWT	WATSON	5			As arranged			
	NN	UWDD PWT	WATSON	5			As arranged			Inc. demol.
	NN	UWDE PWT	WATSON	5			As arranged			Inc. demol.
	951410	DDG UC PWT	WATSON	4			As arranged			
	941420	DDG UW PWT	WATSON	4			As arranged			
	951430	IAC Operator	WATSON	2			As arranged			
	911390	Sonar Type 174 PWT	WATSON	2			As arranged			
	911430	Sonar Controller	WATSON	10			As arranged			
	911080	Sonar Type 176 PWT	WATSON	2			As arranged			

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
	951490	PT Refresher	CERBERUS				As arranged			
	951480	AVN SE and Aircrew Survival	ALBATROSS	20			As arranged		2-4	PT Sailors posted ALBATROSS and MELEBOURNE
	951580	Browning Machine Gun	CERBERUS	3			As arranged			
	951720	AB QMG/WM Patrol Boat	CERBERUS	21			As arranged			
	NN	ASAC Refresher	WATSON	5			As arranged			
	NN	AIOTT Officers, Sen. Sailors/Wrans Staff PCT	WATSON	30			As arranged			
	NN	AIOTT Jun Sailors/Wrans	WATSON	20			As arranged			

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
	902220	PCT Demolition PCT (Non-UW/CD Sailors)	WATSON	5						Held in conjunction with 911740 (ABUW)
SEAMAN SUBMARINES PROMOTION	908150	LSUCSM	PLATYPUS	15			09.06.75 08.09.75 13.10.75	27.06.75 26.09.75 31.10.75	2-6	
	908160	LSUWSM	PLATYPUS	20			13.05.75 03.11.75	06.06.75 28.11.75	2-6	
	908180	LSRPSM	PLATYPUS	15			21.07.75	08.08.75	2-6	
	908210	POSEASM	PLATYPUS	20			18.08.75	12.09.75	1-6	
	908900	Adv. UW SM	PLATYPUS	30			01.09.75	10.10.75	2-6	Require 908210
	908910	Adv. UC SM	DOLPHIN				Arranged by DEFNAV			Require 908210
	908920	Adv. RP SM	PLATYPUS	55			10.03.75 01.09.75	23.05.75 14.11.75	2-8	Require 908210
SEAMAN SM CAREER AND PCT	908170	POOWSM	PLATYPUS	15			26.05.75 17.11.75	06.06.75 29.11.75	2-8	
	908990	COX SM	PLATYPUS	As Req'd	KUTTABUL PLATYPUS		26.05.75 28.07.75	25.07.75 -		

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
							08.09.75	07.11.75		
					KUTTABUL		10.11.75	-		
	911010	NAV YEO SM	PLATYPUS	20	WATSON		25.08.75	19.09.75		Combined 915720
SUBMARINE COMMS	908190	ROSM PCT	PLATYPUS	10	KUTTABUL		As arranged			
COMMS PROMOTION	912700	SMNCO	CERBERUS	35 (Plus 5 NBCD)			17.02.75	16.04.75	10-20	
							01.04.75	27.05.75		
							05.05.75	30.06.75		
							09.06.75	05.08.75		
							22.07.75	15.09.75		
							08.09.75	05.11.75		
							20.10.75	15.12.75		
	912710	SMNSIG	CERBERUS	101			06.01.75	02.06.75	4-12	
							04.03.75	30.07.75		
							17.04.75	12.09.75		
							28.05.75	23.10.75		
							01.07.75	25.11.75		
							06.08.75	22.01.76		
							16.09.75	26.02.76		
							06.11.75	19.04.76		
	912720	SMNRO	CERBERUS	102			06.01.75	03.06.75	4-12	
							04.03.75	31.07.75		
							17.04.75	13.09.75		
							28.05.75	24.10.75		
							01.07.75	26.11.75		

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
							06.08.75	23.01.76		
							16.09.75	27.02.76		
							06.11.75	20.04.76		
	912760	SMNOEW	CERBERUS	110	CERBERUS WATSON		-	10.02.75	4-10	
							13.02.75	24.04.75		
					CERBERUS WATSON		06.01.75	04.04.75		
							07.04.75	13.06.75		
					CERBERUS WATSON		04.03.75	02.06.75		
							05.06.75	14.08.75		
					CERBERUS WATSON		17.04.75	11.07.75		
							14.07.75	19.09.75		
					CERBERUS WATSON		28.05.75	21.08.75		
							25.08.75	31.10.75		
					CERBERUS WATSON		01.07.75	24.09.75		
							29.09.75	05.12.75		
					CERBERUS WATSON		06.08.75	31.10.75		
							03.11.75	1976		
					CERBERUS WATSON		16.09.75	09.12.75		
							1976	-		
					CERBERUS WATSON		06.11.75	10.02.76		
							1976	-		
	912910	Adv. SIG (SY)	CERBERUS	89	CERBERUS HARMAN PENGUIN	NBCD	22.01.75	06.05.75	3-8	
							07.05.75	09.05.75		
							12.05.75	23.05.75		

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
COMMS CAREER AND PCT	912920	Adv. RO (RS)	CERBERUS	79	WATSON	NBCD	26.05.75	30.05.75	3-8	
							30.07.75	11.11.75		
	12.11.75	14.11.75								
	17.11.75	28.11.75								
	01.12.75	05.12.75								
912970	Adv. ROEW (RSEW)	WATSON	80	PENGUIN	NBCD	29.01.75	06.05.75	3-8		
						07.05.75	09.05.75			
							12.05.75	23.05.75		
							06.08.75	11.11.75		
							12.11.75	14.11.75		
							17.11.75	28.11.75		
	912050	LSSIG/SIG MCMV PCT	CERBERUS				As arranged			
	912090	Small Ship RO PCT	CERBERUS	20			19.05.75	13.06.75	3-8	
							29.09.75	24.10.75		
	NN	FWT	CERBERUS				As arranged			

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
MARINE ENGINEERING PROMOTION	901327	EW PWT	WATSON	5			as arranged			
	913730	MTP 1	CERBERUS	106		NBCD	14.10.74	29.01.75	6-18	
							30.01.75	05.02.75		
							06.02.75	04.04.75		
	NBCD	05.11.74	25.02.75	COMBINED 913740						
		26.02.75	04.03.75							
		05.03.75	05.05.75							
	NBCD	25.11.74	12.03.75	Combined 913750						
		21.03.75	26.03.75							
		20.03.75	19.05.75							
NBCD	06.01.75	04.04.75	Combined 913740							
	07.04.75	11.04.75								
	14.04.75	09.06.75								
NBCD	03.02.75	02.05.75								
	05.05.75	09.05.75								
	12.05.75	07.07.75								
NBCD	03.03.75	30.05.75	Combined 913750							
	02.06.75	06.06.75								
	09.06.75	05.08.75								
NBCD	01.04.75	27.06.75								
	30.06.75	04.07.75								

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
						NBCD	07.07.75	01.09.75		
						NBCD	28.04.75	23.07.75		Combined 913740
						NBCD	24.07.75	30.07.75		
						NBCD	31.07.75	25.09.75		
						NBCD	26.05.75	20.08.75		Cobined 913750
						NBCD	21.08.75	27.08.75		
						NBCD	28.08.75	23.10.75		
						NBCD	23.06.75	16.09.75		Combined 913740
						NBCD	17.09.75	24.09.75		
						NBCD	25.09.75	20.11.75		
						NBCD	22.07.75	15.10.75		Combined 913750
						NBCD	16.10.75	22.10.75		
						NBCD	23.10.75	18.12.75		
						NBCD	18.08.75	12.11.75		Combined 913750
						NBCD	13.11.75	19.11.75		
						NBCD	20.11.75	12.02.76		
						NBCD	15.09.75	10.12.75		Combined
						NBCD	11.12.75	17.12.75		
						NBCD	12.01.76	09.03.76		
						NBCD	20.10.75	11.02.76		Combined

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
						NBCD	12.02.76	18.02.76		913740
						NBCD	19.02.76	NK		Combined 913750
						NBCD	10.11.75	02.03.76		
						NBCD	03.03.76	10.03.76		
	913740	MTL 1	CERBERUS	156		NBCD	02.09.74	28.11.74		
						NBCD	29.11.74	05.12.74		
						NBCD	06.12.74	05.05.75		
						NBCD	05.11.74	19.02.75		
						NBCD	20.02.75	26.02.75		
						NBCD	27.02.75	09.07.75		
						NBCD	06.01.75	04.04.75		
						NBCD	14.04.75	18.04.75		
						NBCD	14.04.75	20.08.75		
						NBCD	26.04.75	23.07.75		
						NBCD	24.07.75	30.07.75		
						NBCD	31.07.75	05.12.75		
						NBCD	22.07.75	15.10.75		
						NBCD	16.10.75	22.10.75		
						NBCD	23.10.75	18.03.76		

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Branch or Group	EDP NO.	Course	Conducting Establish-ment	Duration in days	Supporting Establish-ment	Subject	Start- ing date	Comple- tion date	Min/ Max Nos.	Remarks
	913750	MTH 1	CERBERUS	116		NBCD	20.10.75 12.02.76 19.02.76	11.02.76 18.02.76 NK		
						NECD	25.11.74 12.03.75 19.03.75	11.03.75 18.03.75 30.05.75	5-12	
						NBCD	03.03.75 02.06.75 09.06.75	30.05.75 06.06.75 19.08.75		
						NBCD	26.05.75 21.08.75 28.08.75	20.08.75 27.08.75 07.11.75		
						NBCD	18.08.75 13.11.75 20.11.75	12.11.75 19.11.75 26.02.76		
						NBCD	10.11.75 03.03.76 11.03.76	02.03.76 10.03.76 11.03.76		
	913910	Adv. MTP	CERBERUS	70 (incl. 10 NBCD)	CERBERUS PENGUIN  CERBERUS	NBCD	28.01.75 28.04.75	24.04.75 09.05.75	6-15	
							01.09.75	28.11.75		

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Branch or Group	EDP NO.	Course	Conducting Establish-ment	Duration in days	Supporting Establish-ment	Subject	Start- ing date	Comple- tion date	Min/ Max Nos.	Remarks
	913920	Adv. MTP D	CERBERUS	60 (incl. 10 NBCD)	PENGUIN CERBERUS PENGUIN	NBCD NBCD	01.12.75 17.07.75 13.10.75	12.12.75 10.10.75 24.10.75	6-12	
	953080	MTP 4 Q	CERBERUS	85			13.01.75 18.08.75	16.05.75 17.12.75	6-15	
	NN	Fitter Mech (Marine)		60			23.09.75	11.12.75	6	PNG
	953930	MECH	NIRIMBA	2 yrs			20.01.75	-		RMN
	913980	MECH MTP Ed.	NIRIMBA	20			12.05.75	06.06.75	8-20	
	913930	POMTP3 (ex Mech)	NIRIMBA	2 yrs			14.07.75	24.06.77	4-20 953930	Combined maximum of 20
	953930	POMTP3 (ex MechD)	NIRIMBA	2 yrs			14.07.75	24.06.77	4-20	Combined 913930 maximum of 20
	913990	CPOMTH4	NIRIMBA	40			F.B.D.			
MARINE ENGINEERING CAREER AND PCT	913620	TOW	CERBERUS	60			10.02.75 25.08.75	08.05.75 18.11.75	6-15	With 914960 916220 917580

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Branch or Group	EDP NO.	Course	Conducting Establish-ment	Duration in days	Supporting Establish-ment	Subject	Start- ing date	Comple- tion date	Min/ Max Nos.	Remarks
	913630	B and L	CERBERUS	20			05.05.75 18.08.75 10.11.65	30.05.75 12.09.75 05.12.75	4-10	
	913700	ACC OPERATORS					T.B.P.		4-8	
	902310	MTD	ALBATROSS	30			07.04.75 19.05.75 04.08.75 15.09.75 27.10.75	16.05.75 27.06.75 12.09.75 24.10.75 05.12.75	4-16	And ABAVN, WRAN
	913650	Art Diver	PENGUIN	20			as arranged			Courses commence weekly in conjunct- ion with 903200
	913660	Adv Welding	NIRIMBA	60			28.01.75 12.05.75 25.08.75	18.04.75 01.08.75 14.11.75	4	
	953040	PB AB/ L/S MTP PCT	WATERHEN				as arranged			
	953140	PB Charge MTP	WATERHEN				as arranged			

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Branch or Group	EDP NO.	Course	Conducting Establish-ment	Duration in days	Supporting Establish-ment	Subject	Start- ing date	Comple- tion date	Min/ Max Nos.	Remarks
	913760	LCH Charge MTP PCT	MORTON				as arranged			
	913770	LCH MTP PCT	MORTON				as arranged			
	915590	Small Ships Helo F/F	ALBATROSS	3			as arranged			Ships with Landing Platform (and ME PCT)
	915600	Small Ships Helo Transport F/F	ALBATROSS	1 1/2			as arranged			Ships without Landing Platform (and ME PCT)
	913090	MTH LSE Maint	ALBATROSS	10			as arranged		2-8	
	913130	MTH Sail- making Training	ALBATROSS	10			as arranged		2-8	Consecutive to 913080 if required
WEE PROMOTION	914750	ET 1	CERBERUS	75 (incl 5 NBCD)			06.01.75 03.03.75 05.05.75	24.04.75 20.06.75 19.08.75	10-29	

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
	914760	ETW 1	CERBERUS	65			30.06.75 25.08.75 20.10.75	14.10.75 09.12.75 02.03.76	3-10	
	914770	ETS 1	CERBERUS	65			13.01.75 05.03.75 28.04.75 23.06.75 20.08.75 15.10.75	17.04.75 09.06.75 29.07.75 23.09.75 20.11.75 12.02.76	5-10	
	914780	ETC 1	CERBERUS	60			13.01.75 05.03.75 28.04.75 23.06.75 20.08.75 15.10.75	10.04.75 02.06.75 22.07.75 15.09.75 13.11.75 05.02.76	5-10	
	913900	ADV MTL	CERBERUS	110 (incl 10 NBCD)	CERBERUS PENGUIN	NBCD	03.02.75 30.06.75	27.06.75 11.07.75	4-12	
	914960	ADV ETS	CERBERUS	194 (incl 10 NBCD)	PENGUIN CERBERUS	NBCD	03.01.75 03.02.75	31.01.75 24.10.75	4-12	
	914950	ADV	CERBERUS	179	PENGUIN	NBCD	20.01.75	31.01.75	4-12	

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
WEE CAREER AND PCT	914430	ETC Exdak (Ship)	RANITE	(incl 10 NBCD) 50	CERBERUS		03.02.75 24.02.75 28.07.75	03.10.75 02.05.75 03.10.75	-6	
	924040	Junior Systems Acquaint (IKARA)	RANITE	15			02.06.75 11.08.75 27.10.75	20.06.75 29.08.75 14.11.75	-6	
	954400	Helo Exdak System	RANITE	20			12.05.75	06.06.75	-6	
	954410	Ikara System	RANITE	18			30.07.75 19.11.75	22.08.75 12.12.75	-6	
	954430	Attack Console	RANITE	40			19.05.75 20.10.75	11.07.75 12.12.75	-6	
	954440	Data Processing F2/F3	RANITE	65			17.02.75	16.05.75	-6	964580 pre-requisite
	954450	Tracking System	RANITE	65			03.02.75 25.08.75	02.05.75 21.11.75	-6	
	964580	Intro Digital Ikara	RANITE	10			05.05.75 06.10.75	16.05.75 17.10.75	-6	Pre-requisite for courses 954430,

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
	913640	LSMTL	CERBERUS	17	CERBERUS WATERHEN		14.07.75 22.07.75	19.07.75 06.08.75	2-8	954440 3 RMP
	914030	Pitometer Log	CERBERUS	3			06.08.75	08.03.75		
	914040	EM Log	CERBERUS	5			11.08.75	15.03.75		
	914120	Gyro 2005	CERBERUS	10			01.04.75 13.10.75	14.04.75 24.10.75	4-8	
	914130	Gyro 5005	CERBERUS	5			15.04.75 27.10.75	21.04.75 31.10.75	4-8	
	914140	AGMC G	CERBERUS	5			14.04.75 27.10.75	18.04.75 31.10.75	4-8	
	914160	JDA/PAB	CERBERUS	9			07.04.75 10.11.75	17.04.75 20.11.75	-6	
	914180	IFFIO	CERBERUS	15			23.06.75	11.07.75	-6	
	914200	Auto Phone Exchange	CERBERUS	5			28.04.75 28.07.75	02.05.75 01.08.75	4-6	
	914300	Sonar 170B/MCS 10	CERBERUS or WATSON	20			05.05.75 25.08.75	30.05.75 19.09.75	4-8	and as arranged
	914490	ARL	CERBERUS	5						as arranged

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
	914500	Plot A618/ACAS	CERBERUS	5			25.08.75	29.08.75		
	914510	G91/CUH	CERBERUS	5			14.07.75	19.07.75		
	914530	RATT	CERBERUS	11			01.04.75	15.04.75	4-12	
	914540	T/Type	CERBERUS	23			16.04.75	19.05.75	4-12	Excludes RATT
	914550	AN/URC 58	CERBERUS	10			01.04.75 23.09.75	14.04.75 06.10.75	-6	
	914560	KG14	CERBERUS	35			10.07.75	28.08.75	4-8	
	914570	AN/URT 23V	CERBERUS	20			13.10.75	10.11.75	4-12	
	914580	AN/URR 1051B	CERBERUS	8			11.11.75	20.11.75	4-12	
	914680	E/S 765	CERBERUS	2			18.08.75	19.08.75		
	914690	TOWL	CERBERUS	55			03.02.75 04.08.75	23.04.75 20.10.75	6-15	Combined 913620, 916220, 917580
	924030	M22/44 (Junior)	CERBERUS	40			17.06.75 01.09.75	12.08.75 27.10.75	4-8	

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
		Maint Acquaint								
	954010	KW37R	CERBERUS	30			28.05.75	09.07.75	4-8	
	954030	KW7	CERBERUS	30			29.08.75	10.10.75	4-8	
	954040	KL7	CERBERUS	6			20.05.75	27.05.75	4-8	
	945120	MTR1	CERBERUS	5			as arranged			
	954130	692/693 CUJ	CERBERUS	14			22.07.75	08.08.75	-8	
	954200	AN/SRC 20/21	CERBERUS				as arranged		4-6	
	954260	4.5" MK6 MOD 3	CERBERUS	25			as arranged		4-8	
	954270	Radar 293/277	CERBERUS	10			as arranged		-8	
	954340	MRS 3 Computer	CERBERUS	43			as arranged		4-8	
	954390	40/60 BOFORS	CERBERUS	8			14.04.75	23.04.75	4-8	
							08.09.75	17.09.75		
							17.11.75	26.11.75		
	954500	Sonar 164	CERBERUS	5			29.09.75	03.10.75	4-8	

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
	954510	Sonar 174	CERBERUS	5			06.10.75	10.10.75	4-8	
	954520	Type 185	CERBERUS	3			as arranged			
	954550	RA 217	CERBERUS	5			as arranged			
	954560	Lifeguard Receiver	CERBERUS	5			as arranged			
	954630	Seacat	CERBERUS	10			as arranged		4-8	
	964010	Radar 975	CERBERUS	7			23.06.75	01.07.75	-8	
							01.12.75	09.12.75		
	964040	Radar LWO 2A	CERBERUS	15			11.08.75	29.08.75	-6	
	964080	Radar 903	CERBERUS	15			19.05.75	06.06.75	4-6	
	964160	8GR-301	CERBERUS				as arranged			
	964240	B40/B41	CERBERUS	5			07.04.75	11.04.75	4-6	
	964280	978/JUA	CERBERUS	7			28.04.75	06.05.75	-8	
							28.07.75	05.08.75		
	964300	AC GEN DIST	CERBERUS	10			26.05.75	06.06.76	4-8	
							01.12.75	12.12.75		
	964310	Cathodic	CERBERUS	3			01.04.75	03.04.75	4-8	

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
	964370	Prot AN/SPA 34/50	CERBERUS	18			23.09.75	16.10.75	4-6	
	964440	DC GEN DIST	CERBERUS	10			07.04.75 08.09.75	18.04.75 19.09.75	4-8	
	964490	JYA	CERBERUS	25			28.04.75 29.09.75	30.05.75 31.10.75	-6	
	964500	Sea Crypto Refresher	CERBERUS	5			01.12.75	05.12.75	4-8	
	964520	AN/UQN4	CERBERUS	15			28.04.75 10.11.75	16.05.75 28.11.75	-6	
	964590	LCHETC PCT	CERBERUS	25	CERBERUS (10) MORETON (15)		as arranged			
	964630	Junior High Reliab- ility Soldering	CERBERUS or NIRIMBA	5			as arranged			
	924070	Seacat Guidance	CERBERUS				as arranged			
	964640	Senior High Reliab- ility	NIRIMBA	10			as arranged			

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
	NN	Soldering Pre- Linesman	NIRIMBA	30			23.06.74			
	954020	KW37T	HARMAN	10			07.07.75	18.07.75	4-8	
	954000	KW26C	HARMAN	45			03.02.75 04.08.75	04.04.75 03.10.75	4-8	
	954050	BID610	HARMAN	25			05.05.75 20.10.75	06.06.75 21.11.75	4-8	
	964480	Shore Crypto Refresher	HARMAN	5			21.07.75	25.07.75	4-8	
	914620	Shore Wireless PCT	HARMAN	20			05.06.75 25.07.75 17.11.75	03.07.75 22.08.75 12.12.75	4-8	WRETC WRETC WRETC
	914630	Shore Wireless PCT (POETC3)	HARMAN	25			as arranged			
	914800	Shore Wireless PCT (SMNETC)	HARMAN	5			as arranged			
	914330	Sonar 177M	WATSON	20-25			as arranged			

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
	924100	MK 44/46 Torpedo User Aspect Acquaint	WATSON	2			as arranged			
	964120	Solartron Trainer Maint PCT	WATSON	5			as arranged			
	964140	ASUAT Maint PCT	WATSON	5			as arranged			
	964600	DG Wooden Hull Maint	WATSON	2			as arranged			
	964610	DG Steel Hull Maint	WATSON	2			as arranged			
	924020	Sonar 182 Mod 2 Maint	WATSON	3			as arranged			
	924110	M22 System Maint/ User PWT	CERBERUS				as arranged			

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
	924120	M44 System Maint/ User PWT	CERBERUS				as arranged			
	954180	Browning .5 Maint PCT	CERBERUS				as arranged			
	954540	EEDO Echo Sounder	CERBERUS				as arranged			
	914380	Ikara Mag/Mar Launcher	DEFNAV		CAC		as arranged			
	924000	ABETS (ex WR)	HARMAN		WATERHEN		as arranged			
	908440	Mk 8 Torpedo Maint	PLATYPUS		RANTME		as arranged			
	914460	Sub Simulator AS21B12	CRESWELL		STALWART		as arranged			
	924200	Plessey Mk 5 Displays	CERBERUS		Dept of Meteorology Vic		as arranged by DEFNAV			

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
	954470	Ikara Missile	RANTME Kingswood					as arranged		
	964260	MHSA Mk 1						as arranged by DEFNAV		
	964320	M/S Acoustic/Magnetic Equip Maint.	WATERHEN					as arranged		
	964330	M/S equip Maint.	WATERHEN					as arranged		
	964570	AN/SPS 52						as arranged by DEFNAV		
	964650	Amature Winding	STALWART		AEI			as arranged		
	964660	An-SKOI Tartar Telemetry	RANTAU					as arranged		
	NN	NCDS Computer	DEFNAV	80			28.04.75	15.08.75		
	NN	NCDS Display	DEFNAV	80			25.08.75	12.12.75		
NAVAL	915710	ABAVN	ALBATROSS	30	PENGUIN					

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
AIRMAN PROMOTION				(incl NBCD)		NBCD	24.03.75	28.03.75		
						NBCD	01.04.75	02.05.75		
						NBCD	28.04.75	02.05.75		
						NBCD	05.05.75	06.06.75		
						NBCD	30.06.75	04.07.75		
						NBCD	07.07.75	08.08.75		
						NBCD	15.09.75	19.09.75		
						NBCD	22.09.75	24.10.75		
						NBCD	03.11.75	07.11.75		
						NBCD	10.11.75	12.12.75		
	915720	ABM	ALBATROSS	75	PENGUIN WATSON	NBCD NAV YEO	03.02.75	07.02.75		
				incl NBCD & NAV YEO			10.02.75	07.03.75		
							10.03.75	16.05.75		
					PENGUIN	NBCD NAV YEO	18.08.75	22.08.75		
							25.08.75	19.09.75		
							22.09.75	28.11.75		
	915920	Adv M	ALBATROSS	40	PENGUIN	NBCD	14.07.75	25.07.75	2-4	
				(incl NBCD)			28.07.75	05.09.75		
	915930	Adv PHOT	RAAF East Sale				T.B.P.			
	915730	Std	RAAF				14.05.75	25.11.75	6	

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
NAVAL AIRMAN CAREER & PCT	915550	PHOT Basic Aircrew-	ALBATROSS				T.B.P.			
	NN	Adv Aircrew Fixed Wing	ALBATROSS				T.B.P. in conj with 901132			
	N/K	Adv Aircrew Rotary Wing	ALBATROSS				T.B.P. in conj with Sea King OFS			
	902310	MTD	ALBATROSS							See ME Career & PCT
	902620	ABM NAV YEO	ALBATROSS	20	WATSON	NAV YEO	25.08.75	19.09.75		with 915720
	915330	Air-crewman Intro	WATSON	10			as arranged			Non UC Sailors
	915350	ABM Radio-sonde and Bal Met	ALBATROSS	15			as arranged			
	915370	SAR Diver	ALBATROSS		PENGUIN		Held in conjunction with 903200 (Ship's Diver)			

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
AIR ENGINEERING PROMOTION	915420	Fireman PCT	ALBATROSS	10			30.06.75	11.07.75		
	915540	NIKONOS 35 mm Camera	ALBATROSS	5			as arranged			
	915470	ABM Radar Windfind-ing	ALBATROSS	15			as arranged			
	915560	Adv AVN Admin	ALBATROSS	15			25.08.75	19.09.75		
	NN	MTD I	ALBATROSS	20			21.07.75	15.08.75	1-4	
	916750	ATA 1	ALBATROSS	105 (incl 5 NBCD)	PENGUIN ALBATROSS	NBCD ENG.	1974	18.04.75	4-12	
					PENGUIN ALBATROSS	NBCD ENG.	21.04.75	24.04.75	4-12	
					PENGUIN ALBATROSS	NBCD ENG.	28.04.75	12.09.75	4-12	
					PENGUIN ALBATROSS	NBCD ENG.	14.07.75	18.07.75	4-12	
					PENGUIN ALBATROSS	NBCD ENG.	21.07.75	05.12.75	4-12	Incl. Leave
	916820	LSATA	ALBATROSS	60	ALBATROSS	ENG.	03.02.75	02.05.75	4-12	
	916850	ATA 2	ALBATROSS	160	ALBATROSS	ENG.	18.08.75	16.04.76	4-12	Inc.

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
	916920	Adv ATA	ALBATROSS	205 (incl 10 NBCD)	PENGUIN	NBCD	13.01.75	24.01.75		Leave
					ALBATROSS	ENG.	27.01.75	21.11.75	4-12	Incl. leave
	917730	ATC 1	ALBATROSS	105 (incl 5 NBCD)	PENGUIN	NBCD	21.04.75	25.04.75		
					ALBATROSS	ENG.	28.04.75	03.10.75	4-12	Incl. leave
					PENGUIN	NBCD	14.07.75	18.07.75		
					ALBATROSS	ENG.	21.07.75	05.12.75		
	957830	ATC 2	ALBATROSS	170			18.08.75	31.05.76	4-6	Incl. leave
	917920	Adv ATC	ALBATROSS	165 (incl 10 NBCD)	PENGUIN	NBCD	13.01.75	24.01.75		
					ALBATROSS	ENG.	27.01.75	26.09.75	4-6	Incl. leave
	917740	ATW 1	ALBATROSS	105 (incl 5 NBCD)	PENGUIN	NBCD	1974	18.04.75		
					ALBATROSS	ENG.	21.04.75	25.04.75		
							28.04.75	03.10.75	4-12	
					PENGUIN	NBCD	14.07.75	18.07.75		
					ALBATROSS	ENG.	21.07.75	05.12.75		
	957840	ATW 2	ALBATROSS	175			18.08.75	07.06.76	4-6	Incl. leave
	917810	LSATW	ALBATROSS	85			03.03.75	27.06.75	4-6	
	916810	LSATW(O) (Ex Weap)	ALBATROSS	50			28.07.75	03.10.75	6-12	

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
	917910	Adv ATW	ALBATROSS	170 (incl 10 NBCD)	PENGUIN	NBCD ENG.	13.01.75	24.01.75		
							27.01.75	03.10.75	4-6	Incl. leave
	916910	Adv ATW(O) (Ex Weap)	ALBATROSS	180 (incl 10 NBCD)	PENGUIN	NBCD ENG.	03.02.75	14.02.75		
							17.02.75	31.10.75	4-6	Incl. leave
	916930	POATA3 (MECH AE)	NIRIMBA	46 wks			18.07.75	1976	4	
	916940	POATW3 (MECH W)	NIRIMBA	46 wks			18.07.75	1976	4	
AIR ENGINEERING CAREER & PCT	916430	A4 SEAC	ALBATROSS	15	ALBATROSS	ENG.	21.04.75	09.05.75	4-12	
							15.09.75	03.10.75		
							and as arranged			
	916440	S2E SEAC	ALBATROSS	15	ALBATROSS	ENG.	21.04.75	09.05.75	4-12	
							15.09.75	03.10.75		
							and as arranged			
	916460	31B SEAC	ALBATROSS	15	ALBATROSS	ENG.	21.04.75	09.05.75	4-12	
							15.09.75	03.10.75		
							and as arranged			
	916400	Sea King SEAC	ALBATROSS	NK	ALBATROSS	ENG.	T.B.P.		4-12	
	916410	A4 AEAC	ALBATROSS	15	ALBATROSS	ENG.	as arranged		4-12	

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
	916560	S2E AEAC	ALBATROSS	15	ALBATROSS	ENG.	as arranged		4-12	
	916570	31B AEAC	ALBATROSS	15	ALBATROSS	ENG.	as arranged		4-12	
	916580	Sea King AEAC	ALBATROSS	NK	ALBATROSS	NG.	T.B.P.		4-12	
	916220/ 917580	TOWATA/ C/W	CERBERUS	40	CERBERUS ALBATROSS		10.02.75 24.03.75 01.04.75 11.04.75			
					CERBERUS ALBATROSS		25.08.75 06.10.75 13.10.75 24.10.75			
	916290	A4G SEAC Armament	ALBATROSS	20			21.04.75 19.05.75 07.10.75 04.11.75 and as arranged		2-6	
	916300	S2E SEAC Armament	ALBATROSS	10			21.04.75 05.05.75 07.10.75 20.10.75 and as arranged		2-6	
	916310	31B SEAC Armament	ALBATROSS	5			21.04.75 29.04.75 07.10.75 14.10.75 and as arranged		2-6	
	916590	MK50 SEAC Armament	ALBATROSS	5			T.B.P.		2-8	
	916630	MK50	ALBATROSS	10			T.B.P.		2-8	

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
		AEAC Armament								
	917480	A4G SEAC W	ALBATROSS	15			21.04.75 12.05.75 07.10.75 27.10.75 as as arranged		2-6	
	917490	S2E SEAC W	ALBATROSS	15			21.04.75 12.05.75 07.10.75 27.10.75 and as arranged		2-6	
	917500	31B SEAC W	ALBATROSS	15			21.04.75 12.05.75 07.10.75 27.10.75 and as arranged		2-6	
	916640	MK50 SEAC W	ALBATROSS	20			T.B.P.			
	916650	MK50 AEAC W	ALBATROSS	25			T.B.P.			
	916660	A4G AEAC W	ALBATROSS	20			As arranged			
	916670	S2E AEAC W	ALBATROSS	20			As arranged			
	916680	31B AEAC W	ALBATROSS	20			As arranged			
	917520	A4G SEAC C	ALBATROSS	20			07.10.75 04.11.75 and as arranged		2-6	
	917530	S2E	ALBATROSS	20			07.10.75 04.11.75		2-6	

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
	917540	SEAC C 31B SEAC C	ALBATROSS	20			and as arranged 07.10.75	04.11.75	2-6	
	916690	MK50 SEAC C	ALBATROSS	20			T.B.P.			
	957000	MK50 AEAC C	ALBATROSS	25			T.B.P.			
	957010	A4G AEAC C	ALBATROSS	20			as arranged			
	957020	S2E AEAC C	ALBATROSS	20			as arranged			
	957030	31B AEAC C	ALBATROSS	20			as arranged			
	916550	SEAC SE	ALBATROSS	30			07.04.75 04.08.75	16.05.75 12.09.75		
	917470	Adv Air Admin	ALBATROSS	10			as arranged			
	NN	SEAC Arm.	ALBATROSS	70			T.B.P.			
SUPPLY & SECRETARIAT PROMOTION	919910	Adv WTR	CERBERUS	30 (incl 10 NBCD)	PENGUIN	NBCD	07.07.75 22.07.75	18.07.75 15.08.75	6-10	Combined 907970

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
	919950	Adv SV	CERBERUS	25 (incl 10 NBCD)	PENGUIN	NBCD	28.04.75 12.05.75	09.05.75 30.05.75	6-10	Combined 907980
	919940	Adv SN	CERBERUS	25 (incl 10 NBCD)	PENGUIN	NBCD	14.07.75 23.06.75	25.07.75 11.07.75	6-10	
	919920	Adv CK	CERBERUS	30 (incl 10 NBCD)	PENGUIN	NBCD	06.10.75 20.10.75	17.10.75 14.11.75	4-6	Combined 907710
	919930	Adv STD	CERBERUS	25 (incl 10 NBCD)	PENGUIN	NBCD	03.11.75 17.11.75	14.11.75 05.12.75	6-10	Combined 907990
	919710	WTR	CERBERUS	85 (incl 5 NBCD)			13.01.75 10.02.75 12.05.75 30.06.75 15.09.75 20.10.75	09.05.75 06.06.75 05.09.75 24.10.75 06.02.76 12.03.76	6-9	Combined 907770
	919740	SN	CERBERUS	45 (incl 5 NBCD)			14.04.75 22.07.75 13.10.75	12.06.75 19.09.75 12.12.75	6-10	
	919750	SV	CERBERUS	45 (incl 5 NBCD)			10.02.75 28.07.75 13.10.75	16.04.75 26.09.75 12.12.75	6-10	Combined 907780
	919730	STD	CERBERUS	30 (incl 5 NBCD)			17.02.75 01.04.75 05.05.75	02.04.75 09.05.75 13.06.75	8-12	* Combined 907790

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Branch or Group	EDP NO.	Course	Conducting Establish-ment	Duration in days	Supporting Establish-ment	Subject	Start- ing date	Comple- tion date	Min/ Max Nos.	Remarks
LANEOUS	902600/ 610	WOSK WOMC	CERBERUS	30			08.04.75 08.07.75 04.11.75	16.05.75 15.08.75 12.12.75	12-18	CPO
	902340	PO Manage- ment	CERBERUS	20			01.04.75 03.06.75 01.07.75 29.07.75 09.09.75 07.10.75 11.11.75	25.04.75 27.06.75 25.07.75 22.08.75 03.10.75 31.10.75 05.12.75	12-18	
NAVAL POLICE	998018	New Entry	KUTTABUL	30			12.05.75 18.08.75 10.11.75	20.06.75 26.09.75 19.12.75	4-15	
	998090	Proffes- sional Technique	KUTTABUL	25			07.04.75 23.06.75 06.10.75	09.05.75 25.07.75 07.11.75		Replaces 998990
SECURITY	903410	Security Acquaint	DEFNAV	2	PENGUIN		12.05.75 11.08.75 10.11.75	13.05.75 12.08.75 11.11.75		
EDUCATION	902000	Teachers Certifi- cate	LEEWIN	3 yrs			11.02.75 -	- 12.12.75	-4	
	902500	SGCE Prep	LEEWIN	95			12.01.75 14.07.75	23.05.75 21.11.75	-18	
	902510	Matric Prep	LEEWIN	18 mths			- 14.07.75	05.12.75 03.12.76	-20	

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Branch or Group	EDP NO.	Course	Conducting Establish-ment	Duration in days	Supporting Establish-ment	Subject	Start- ing date	Comple- tion date	Min/ Max Nos.	Remarks
TRAINING TECHNOLOGY	903600	Instr. Course	CERBERUS	8			21.04.75	30.04.75		
							30.04.75	09.05.75		
							12.05.75	21.05.75		
							02.06.75	11.06.75		
							11.06.75	20.06.75		
							30.06.75	09.07.75		
							09.07.75	18.07.75		
							28.07.75	06.08.75		
							06.08.75	15.08.75		
							18.08.75	27.08.75		
							23.09.75	02.10.75		
							13.10.75	22.10.75		
							22.10.75	31.10.75		
							10.11.75	19.11.75		
							19.11.75	28.11.75		
01.12.75	10.12.75									
903660	Training Analysis	CERBERUS	5				05.05.75	09.05.75	1-16	WATSON
							09.06.75	13.06.75		
							28.07.75	01.08.75		
							06.10.75	10.10.75		
							20.10.75	24.10.75		
903630	Training Systems Acquaint	CERBERUS	1				21.04.75			WATSON WATSON WATSON
							30.04.75			
							05.05.75			
							12.05.75			
							02.06.76			
09.06.75										
11.06.75										
30.06.75										
09.07.75										
28.07.75										

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
							06.08.75 18.08.75 23.09.75 06.10.75 13.10.75 20.10.75 22.10.75 10.11.75 17.11.75 19.11.75 01.12.75			ALBATROSS ALBATROSS ALBATROSS  NIRIMBA NIRIMBA
	903670	Training Design	CERBERUS	5			12.05.75	16.05.75	1-16	Pre-requisite Training Analysis 903660 WATSON
	903640	Quality Control	CERBERUS	10			16.06.75 04.08.75 13.10.75 27.10.75 24.11.75	20.06.75 08.08.75 17.10.75 31.10.75 28.11.75	6-12	ALBATROSS NIRIMBA  Pre-requisite: <u>Instructor Course</u> 903600 LEEUWIN WATSON
NBCD	902400	STD	PENGUIN	5			23.06.75 14.07.75 22.09.75 10.11.75	04.07.75 25.07.75 03.10.75 21.11.75		NIRIMBA
							As required for			

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
		NBCD	CERBERUS				category courses and as arranged			
	902410	Adv NBCD	PENGUIN	10			As required for promotion courses and as arranged			
DIVING	903200	Ships Diver	PENGUIN	15			Weekly - as arranged			
RANR	NN	A1ETC	CERBERUS	13			10.11.75	21.11.75	2-8	
	NN	A2MTL	CERBERUS	13			28.07.75	08.08.75	2-8	
	NN	A2ETC	CERBERUS	13			04.08.75	15.08.75	2-8	
	NN	MTL	CERBERUS	13			18.08.75 10.11.75	29.08.75 21.11.75	2-8	
	NN	ETC	CERBERUS	13			28.04.75 28.07.75 01.12.75	09.05.75 02.08.75 12.12.75	2-8	
	NN	PBAMTL	CERBERUS	13			14.04.75 06.10.75	25.04.75 17.10.75	2-8	
	NN	ABETC/AETC	CERBERUS	13			26.05.75 27.10.75	06.06.76 07.11.75	2-8	
	NN	PBMTL	CERBERUS	13			16.05.75 01.09.75	06.06.75 12.09.75	2-8	
	951910	POQMG	CERBERUS	13			03.04.75 05.05.75	14.04.75 16.05.75	4-12	

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks	
WRANS	951710	ABQMG	CERBERUS	13			27.09.75	07.10.75	4-12		
							19.05.75	30.05.75			
	NN	RO	CERBERUS	13				25.08.75	05.09.75	3-12	
								20.10.75	02.11.75		
	NN	RS	CERBERUS	13				07.04.75	20.04.75	3-8	
								01.04.75	02.05.75		
	907700	Recruit	CERBERUS	24				13.05.75	13.06.75	20-40	
								01.07.75	01.08.75		
								05.08.75	05.09.75		
								16.09.75	17.10.75		
							28.10.75	28.11.75			
907910	POWRCK	CERBERUS	20				20.10.75	14.11.75	4-6	Combined with 919920	
907970	POWRWTR	CERBERUS	20				22.07.75	15.08.75	6-10	Combined with 919910	
907980	POWRSV	CERBERUS	15				12.05.75	30.05.75	6-10	Combined with 919950	
907990	POWRSTD	CERBERUS	15				26.05.75	13.06.75	6-10	Combined with 919930	
							17.11.75	05.12.75			
907920	POWRRP	WATSON	60				10.02.75	02.05.75	6-9	Combined with	
							04.08.75	31.10.75			

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
	907900	POWRRPWA	ALBATROSS	13	RANTAU ALBATROSS		08.09.75	12.09.75		911950
							15.09.75	24.09.75		
	907930	POWRRST	CERBERUS	22			08.07.75	05.08.75	3-8	
	907940	POWRRSS	HARMAN	70	HARMAN LONSDALE		10.02.75	09.05.75	1-2	Combined with 912930
							12.05.75	16.05.75		
					HARMAN LONSDALE		10.06.76	29.08.75		
							01.09.75	05.09.75		
					HARMAN LONSDALE		08.09.75	05.12.75		
							08.12.75	12.12.75		
	907800	LWRRPWA	ALBATROSS	20	RANTAU ALBATROSS		19.05.75	23.05.75		
							26.05.75	30.05.75		
					RANTAU ALBATROSS		17.11.75	21.11.75		
							24.11.75	28.11.75		
	907830	LWRREG	CERBERUS	65			01.04.75	02.07.75		
	937710	WRCO	CERBERUS	30			17.02.75	04.04.75		
							01.04.75	13.05.75	6-16	
							05.05.75	18.06.75		
							17.06.75	28.07.75		
							04.08.75	12.09.75		
							09.09.75	20.10.75		
							20.10.75	01.12.75		
	937730	WRROT	CERBERUS	36			18.02.75	09.04.75	4-10	

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
							07.04.75	26.05.75		
							14.05.75	01.07.75		
							19.06.75	06.08.75		
							29.07.75	15.09.75		
							15.09.75	05.11.75		
							21.10.75	09.12.75		
	937740	WRROS Sect B	HARMAN	115			26.09.74	11.04.75	5-8	
							07.10.74	20.05.75		
							19.02.75	05.08.75		
							07.04.75	16.09.75		
							20.06.75	29.11.75		
							30.07.75	06.02.76		
							15.09.75	19.03.76		
							03.12.75	25.06.76		
	907720	WRRP	WATSON	2545						Combined with 911750
							20.01.75	11.04.75		
							30.06.75	12.09.75		
							11.08.75	24.10.75		
							15.09.75	28.11.75		
	907710	WRCK	CERBERUS	60			17.02.75	16.05.75	6-8	Combined with 919720
							05.05.75	25.07.75		
							04.08.75	24.10.75		
							15.09.75	05.12.75		
	907770	WRWTR	CERBERUS	80			13.01.75	02.05.75	6-9	Combined with 919710
							17.02.75	06.06.75		
							19.05.75	05.09.75		
							30.06.75	17.10.75		
							23.09.75	06.02.76		
							27.10.75	12.03.76		

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
	907780	WRSV	CERBERUS	40			17.02.75	16.04.75	6-10	Combined with 919750
							04.08.75	26.09.75		
							20.10.75	12.12.75		
	907790	WRSTD	CERBERUS	25			24.02.75	02.04.75	8-12	Combined with 919730
							07.04.75	09.05.75		
							12.05.75	13.06.75		
							04.08.75	05.09.75		
							08.09.75	10.10.75		
							20.10.75	21.11.75		
	907960	WRMED Sec A	CERBERUS	60			13.01.75	03.04.75		
							14.04.75	04.07.75		
							21.10.75	1976		
	937760	WRMED Sec B	CERBERUS	60			08.04.75	04.07.75		
							07.07.75	03.10.75		
	907730	WRMTD	ALBATROSS	30			07.04.75	16.05.75	4-16	Combined with 902310
							04.08.75	12.09.75		
							15.09.75	24.10.75		
							27.10.75	05.12.75		
	907740	WRRPWA	ALBATROSS	20	CERBERUS RANTAU ALBATROSS		14.04.75	25.04.75		
							28.04.75	09.05.75		
							12.05.75	23.05.75		
					CERBERUS RANTAU ALBATROSS		29.09.75	10.10.75		
							13.10.75	24.10.75		
							27.10.75	07.11.75		
	907040	WRETC1	CERBERUS	150	CERBERUS HARMAN		05.11.74	02.06.75	-8	Combined with
							05.06.75	03.07.75		

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Branch or Group	EDP NO.	Course	Conducting Establish-ment	Duration in days	Supporting Establish-ment	Subject	Start- ing date	Comple- tion date	Min/ Max Nos.	Remarks
										914750 914780 914620
						CERBERUS HARMAN	13.01.75	22.07.75		
						CERBERUS HARMAN	25.07.75	22.08.75		
						CERBERUS HARMAN	12.05.75	13.11.75		
						CERBERUS HARMAN	17.11.75	12.12.75		
						CERBERUS HARMAN	07.07.75	05.02.76		
						CERBERUS	09.02.76	-		
						CERBERUS	27.10.75	-		
	947740	LWRRP/ WRRP PCT	WATSON	15						as arranged
	902210	Shorthand Refresher	DEFNAV							as arranged
	907330	WRRPNC	WATERHEN							as arranged
	907300	WRRP NAV YEO	WATSON	20			25.08.75	19.09.75		Combined with 911010

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(519/7/19)

(Navy Order 375/74)

Historian

ANOs 108/75-113/75



# AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,  
31 March 1975.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

Additional copies of Navy Orders may be readily obtained by:

- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 3461.

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<b>SECTION 2—PERSONNEL</b>	
111/75	Allowances and Conditions for Oversea Service Trainees Training in Australia Under a Defence Co-operation Agreement.
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<b>SECTION 4—EQUIPMENT, STORES AND SERVICING</b>	
113/75	Pyjamas, Men's, Heavyweight.

## Section 1

## ADMINISTRATIVE AND GENERAL

## UNCLASSIFIED

## 108/75—Naval Metrication Committee

1. The Australian Government's decision to convert to the sole use of the SI metric system is being implemented by the Metric Conversion Board (MCB), a statutory body. Australian Government departments are represented on this body by an officer of the Department of Science who in turn is Chairman of the Interdepartmental Co-ordinating Committee on Metric Conversion (IDCC).

2. The MCB has a number of advisory committees, one to each approved area of industry, trade, manufacture, education, etc, and these are each under the chairmanship of a member of the MCB. The Defence Department is represented on appropriate advisory committees. The advisory committees in turn have set up sector committees within their areas of responsibility, and the Department of Defence (Navy) is represented on a number of these committees which relate to particular areas of interest.

3. The Defence Group Committee on Metric Conversion (DGCMC) serves as a link between the Defence Department and the Interdepartmental Co-ordinating Committee. Information relating to Australian Government policy therefore normally flows to the Department from the MCB via the IDCC and thence to the Defence Group Committee. Conversely, recommendations from the Defence Group Committee are passed to the IDCC and thence to the MCB. The Director-General of Naval Design is the Department of Defence (Navy) representative on the Defence Group Committee.

4. The Naval Metrication Committee (NMC) co-ordinates the introduction of metrication throughout the Department of Defence (Navy) within the guidelines produced by the Defence Group Committee on Metrication. The committee comprises the following or their representatives:

- Director-General of Naval Design—Chairman
- Director-General of Dockyards and Maintenance
- Director-General of Naval Production
- Director-General of Naval Operational Requirements
- Director-General of Naval Training and Education
- First Assistant Secretary, Controller of Supply, Navy
- Assistant Secretary, Naval Technical Services.
- Director of Naval Aircraft Engineering
- Director of Naval Quality Assurance
- Director-General Training and Education Policy
- Executive Secretary—who is the Staff Engineer, Naval Metrication Co-ordination.

It is intended that one representative from the groups of divisions and branches under each Naval Board Member will be responsible for the dissemination of information within these groups and to any associated authorities outside Navy Office as well as providing a point of contact.



5. The Terms of Reference for the Naval Metrication Committee (NMC) are as follows:

- a. to plan, direct, and control the conversion to metrication in the Department of Defence (Navy) within the framework established by the Metric Conversion Board and associated bodies;
- b. to serve as a focal point in the Department of Defence (Navy) for liaison with the Defence Group Committee on Metric Conversion, the MCB sector committees where appropriate, the Defence Standardisation Committee, and the Standards Association of Australia (SAA);
- c. to serve as a consultative body for advice on all matters relating to metrication within the Department of Defence (Navy);
- d. to be responsible for keeping all divisions, branches and authorities within the Department of Defence (Navy) informed on all associated matters relating to metric conversion as may be appropriate; and
- e. to report as necessary to the Naval Board.

6. As progress is made towards the adoption of metric units in various areas, working parties will be set up to deal with specific related problems under the chairmanship of the appropriate member of the Naval Metrication Committee or his representative.

7. Information on national and naval metrication policy, plans and progress will be promulgated in a variety of ways, as appropriate to the subject matter and to the distribution required. The means of promulgation include Navy Orders, Navy Office letter, and Navy metric publications such as 'RAN Metric Notes' and the 'Navy Metrication Technical Bulletin'.

8. Members of the Committee should be afforded the utmost co-operation in the discharge of their duties.

9. Navy Order 60/72 is hereby cancelled.

(8/1/487)

(Navy Order 60/72)

## UNCLASSIFIED

### 109/75—Temporary Rental Allowance and Temporary Accommodation Allowance—Payment Following a Salary Change With Retrospectivity

When there is a change in salary because of wage increases and retrospectivity is involved, the new salary will apply, for TRA and TAA purposes, from the date of gazettal of the new rates:

- eg A salary increase is announced on 1 August to be effective from 1 June, but regulations are not gazetted until 1 November. The effective date for TRA/TAA purposes is 1 November.

(N252/4/205)

## UNCLASSIFIED

### 110/75—United Service Institutes

1. United Service Institutes, which were originally founded in Australia in 1888 for the promotion and advancement of science and literature in the Services, are seeking new members.

2. There are now United Service Institutes in Canberra, Brisbane, Sydney, Melbourne, Hobart, Launceston, Adelaide and Perth. A United Service Institute of Australia was formed on 1 January 1974 and this has as its constituent members all the USIs of the States and the Australian Capital Territory.

3. The aims of all United Service Institutes today are to further the study of strategy, national defence and related matters.

4. Membership is available to any person in sympathy with the aims of the USI and who will make a positive contribution to it.

5. All USIs (except that of the USI of the ACT whose papers are available at the Bridges Library, RMC, Duntroon) have their own excellent libraries and run monthly lectures, discussions and other activities.

6. Further particulars may be obtained from the Secretaries of the USIs in each State and the ACT whose addresses are as follows:

New South Wales .. ..	Royal Australian Naval House 32 Grosvenor Street SYDNEY NSW 2000	Tel 27 2066
Queensland .. ..	Victoria Barracks BRISBANE QLD 4000	Tel 33 4420
Victoria .. ..	237 A'Beckett Street MELBOURNE VIC 3000	Tel 329 7051
Tasmania .. ..	C/o Naval, Military and Air Force Club 31 Davey Street HOBART TAS 7000	Tel 2 3498
South Australia .. ..	Torrens Training Depot King William Road ADELAIDE SA 5001 (Box 1788 GPO)	Tel 223 4373
Australian Capital Territory .. ..	C/o Military Plans and Operations Staff Department of Defence Russell Offices CANBERRA ACT 2600	Tel 65 2936
Western Australia .. ..	Swan Barracks Museum Street PERTH WA 6000	Tel 28 5022

7. Navy Order 129/72 is hereby cancelled.

(108/2/59)

(Navy Order 129/72)

## Section 2

### PERSONNEL

## UNCLASSIFIED

### 111/75—Allowances and Conditions for Oversea Service Trainees Training in Australia Under a Defence Co-operation Agreement

1. The Royal Australian Navy is providing courses of training in RAN ships and establishments for Service trainees from certain overseas countries. Some of this training is provided under the Defence Co-operation Program, and facilities for training personnel from some other countries is provided on a direct repayment basis.

This order details the allowances and conditions which are to be applied to Service trainees training under the Defence Co-operation agreements as direct payments by the RAN. For these purposes a Service trainee is defined as a serviceman coming to Australia from a Defence Co-operation country for training mainly in RAN ships or establishments and includes personnel on liaison visits from Defence Co-operation countries to observe training and other facilities in Australia. Advice of training approved, periods involved, etc, will be forwarded to administrative authorities and ships and establishments concerned in individual instances from Navy Office.

2. Allowances and conditions are now similar for Service trainees as defined in Paragraph 1 above, and may be paid by ships and establishments direct to Service trainees, providing that where a trainee has been under the control of another department since arrival in Australia, advice is to be obtained from that department regarding allowances already paid to avoid duplications or overpayments. The following allowances and conditions will apply:

a. *Basic Pay*

- (1) the basic pay of a Service trainee will normally be the responsibility of, and payments will be made as arranged between the trainee and his Government; and
- (2) no payment of basic pay will be made by RAN authorities except as approved by Navy Office.

b. *Travel Entitlement*

- (1) *To and from Australia—fares.* A Service trainee's fares to and from Australia are the liability of the Australian Government. Trainees of officer or warrant officer rank are eligible to travel first class and other trainees should travel economy class. These arrangements may be varied where necessary (for example, where officers are booked on the same flight as other ranks, or where accommodation in the authorised class cannot be obtained). Whenever possible travel by Service or charter aircraft is to be used.

The date on which return travel from Australia is required is to be signalled to Navy Office at least four weeks prior to completion of training, or as early as possible where a short training period is involved.

- (2) *To or from Australia—hotel accommodation.* Where accommodation and meal costs are incurred in travel to or from Australia, because of either lack of Service accommodation or the need to use Service or charter aircraft, such costs may be considered to have been incurred on duty and are the liability of the Australian Government.
- (3) *Within Australia.* Travel is normally by road or rail as a liability of the Australian Government. Officers and warrant officers have a first class travel entitlement; other trainees a second class travel entitlement. Where travel on duty by air is desirable for Service reasons, eg, where trainees are members of a class under training and movement of the class is to be by air, this form of travel may be authorised, but should be kept to a minimum.

c. *Baggage Allowance*

- (1) in addition to the airlines free baggage allowance service trainees travelling commercial air:
  - (a) to Australia are entitled to 10 kg (22 lb) excess baggage allowance which may be sent as accompanied air freight, and

(b) from Australia are entitled to 15 kg (33 lb) excess baggage if sent as accompanied air freight, or 60 kg (132 lb) excess baggage if sent as unaccompanied air freight;

- (2) when travelling to or from Australia by Service or charter aircraft, normal provisions for RAN personnel on these aircraft will apply;
- (3) when a Service trainee, in exceptional circumstances moves to a new place of training within Australia by air the trainee will be entitled to transport accompanied baggage as an Australian Government liability of up to three suitcases, each of linear measurement not more than 142.24 cm (56 inches) in accordance with the airlines method of measurement—this includes the free amount allowed by the airline;
- (4) the Australian Government will meet the cost of freight or postage by surface mail from Australia on documents and other material provided it is evident that these are directly connected with the trainees course of study.

d. *Living Allowance*

Where a Service trainee lives in a ship or establishment, or whilst living out in hotel type accommodation in circumstances shown in Paragraph 6b below, a living allowance may be paid at the rate of \$4.45 per day for officers and POs and above and at the rate of \$3.53 per day for ranks below Petty Officer.

*Note:* Compulsory mess fees are the responsibility of the trainee and must be paid from the living allowance which contains a component to cover this item.

e. *Leave Subsistence Allowance*

A leave subsistence allowance of \$4.34 per day may be paid to officers and POs and above, and an allowance of \$3.38 per day to all ranks below PO during authorised leave periods in excess of seventy-two hours (eg, Easter, mid-term break, end of term leave) when trainees are not resident in a Service establishment. This allowance may be paid in addition to living allowance payable under Sub-paragraph 2.d.

*Notes:* 1. Payment of Subsistence Allowance and Living Allowance to Malaysian trainees will cease during any period these trainees return to Malaysia on leave. Payment of these allowances will continue, however, when these trainees proceed on leave to areas other than their homeland.

2. Married accompanied students attending Staff College, Queenscliff, should be paid, in addition, a 'living-out' allowance of \$A3.79 per day and a rent allowance of \$A25 per week but, unlike unaccompanied students, they will not be entitled to the leave subsistence allowance during approved leave.

f. *Clothing Allowance*

- (1) *Civilian.* A clothing allowance of \$73.00 may be paid to trainees who are in Australia for more than thirty days and who will not spend at least seven days in Australia between 1 May and 30 September. A clothing allowance of \$147.00 may be paid to trainees spending more than thirty days in Australia who will spend at least seven days in Australia between 1 May and 30 September. Trainees in Australia for thirty days or less shall be paid clothing allowance at half the above

rates. In the case of trainees entitled to \$147.00 clothing allowance, \$73.00 may be paid on arrival to trainees who arrive in Australia during the period 1 November and 31 March, with a second payment of \$73.00 in May-June. A clothing allowance of \$147.00 may be paid to trainees who are in Australia for more than thirty days and who will spend at least seven days between 1 April and 31 October in the following designated 'cold' areas: Kiewa Victoria, Snowy Mountains, Australian Capital Territory, Tasmania. Trainees who spend less than thirty days in Australia are entitled to be paid \$32.50 clothing allowance.

- (2) *Service.* A Service trainee may be issued with items of uniform kit which are essential for his particular course of training and which the trainee does not have within his normal parent Service entitlement. Details and charges of items issued are to be shown in Section K of the proforma furnished in accordance with Paragraph 9 of these instructions, and are to be endorsed as 'essential items'.

g. *Establishment Allowance*

Service trainees will be eligible to receive an establishment allowance of an amount equal to fourteen days living allowance at the rate payable under Sub-paragraph 2.d. on arrival in Australia.

h. *Travel Warrants*

A Service trainee may be granted travel warrants or mileage allowance up to the value of \$50.00 per year for travel within Australia during authorised leave periods. (See also Paragraph 8.c.)

**Book Allowance**

3. A trainee may be reimbursed expenditure on approved books or educational materials (ie, books and materials endorsed by their instructors as being of value in their training) up to \$45 per trainee. This allowance may be expended either during the course or up to three years after the student returns to his home country. In respect of the residue which may be outstanding on return of the trainee to his home country, should the trainee desire to take advantage of this benefit, an application, together with advice of the trainee's selection should be forwarded to Navy Office.

**Medical and Dental**

4. On courses lasting less than six months, medical and dental treatment will be given only in cases of need and, other than in emergencies, with the prior approval of the Commanding Officer.

**Leave**

5. a. Commanding Officers may, at their discretion, grant leave to Service trainees in accordance with the routine of the ship or establishment.
- b. In the case of a trainee other than those specified in Sub-paragraph c. below special leave may be granted for major national and religious holidays at the discretion of the Commanding Officer. The criterion governing such a decision should include an assessment of the effect of such holidays on the continuation of instruction, and the personal effect on the trainee where he is refused leave for religious purposes.
- c. In the case of a Singapore or Malaysian trainee, requests for special leave recommended by the Commanding Officer of the ship or establishment will be submitted by the trainee direct to the High Commission or Embassy in Canberra. Written approval in reply will constitute the necessary authority

for such leave. Leave is not normally granted for special days of religious observance or Singapore/Malaysian public holidays, and trainees are entitled only to those Australian holidays normally granted by the ship or establishment in which they are undergoing courses of training. However, should Commanding Officers receive a request for leave to observe a particular religious or national day supported by a convincing explanation, the matter may be referred to Navy Office which will obtain and communicate a decision from the High Commission or Embassy in Canberra.

**Victualling and Accommodation Charges**

6. a. The victualling and accommodation charges where a trainee lives in, in a ship or Service establishment is \$5.50 per day.
- b. Where trainees are required to live out in hotel type accommodation as an essential part of a Service course in training (ie, other than when on leave) in an area where Service accommodation is not available, the provision of reasonable accommodation and meals may be accepted and the cost taken as a charge against departmental funds.

*Note:* Adjustment in respect of Sub-paragraphs a. and b. above will be effected in Navy Office against the relevant Defence Co-operation Program from information furnished in accordance with Paragraph 9.

**Tuition Fees**

7. Where training is in the nature of a technical course, instructional costs of \$26.00 per week for each trainee are to be charged. No charge for 'on the job' training is to be made.

*Note:* Adjustment in respect of instructional costs will be effected in Navy Office.

**Accounting Instructions**

8. a. All payments made directly to trainees in compliance with these instructions are to be brought to account in cash accounts under the appropriate dissections under the following heads of expenditure:

Defence Co-operation with Malaysia	.. .. .	Division 619.0.01
Defence Co-operation with Singapore	.. .. .	Division 619.0.02
Defence Co-operation with Indonesia	.. .. .	Division 619.0.03
Defence Co-operation Programs with all other Countries.		Division 619.0.06

- b. Medical and dental treatment of a minor nature will be provided to trainees without charge but where a set charge can be ascertained, eg, hospitalisation, the amount concerned is to be furnished in Section f. of the proforma.
- c. Travel warrants (including excess baggage) issued under the authority of this order, are to be endorsed payable by and to be rendered with the claim on the certifying officer at the office or establishment responsible for payment of accounts for the State or Territory in which the expenditure was incurred, except for warrants issued by sea-going ships which are to continue to be endorsed payable by and to be rendered with the claim on Director of Navy Accounts. All such warrants are to be paid as a charge to RAN votes and items as appropriate. Proformae forwarded in accordance with Paragraph 9 of these instructions are to include (in Section e.) details and value of warrants issued and/or mileage allowance paid in compliance with Sub-paragraph 2.h. of these instructions.

Note: On receipt of proformae, adjustment in respect of Sub-paragraphs b. and c. above to bring these charges to correct head of expenditure will be effected in Navy Office.

Proformae

- 9. a. In order that all expenditure incurred in respect of the foregoing instructions may be correctly brought to account, a proformae, the format of which is shown in Annexe A to this order, for each trainee borne is to be forwarded by the Supply Officer in order to reach Director of Navy Accounts by not later than the fifteenth day of the month following that in which expenditure was incurred.
b. Where details are identical in respect of students in any one particular serial (eg, Malaysian 1970 Program—Serial 6—Apprentice Training) one proforma only, supported by a list of students to whom the details apply, is acceptable.
c. Names are to be furnished in full (initials and/or abbreviations are not to be used).
d. One proforma is also acceptable in cases where all details are identical with the exception of service clothing issues and/or repairs (Section k) provided that a statement is attached giving names, details and charges as applicable. Section k should then be endorsed 'see attached statement'.
e. In all other cases separate proformae are required.

10. Navy Orders 136/73, 196/73, 287/73, 85/74 and 387/74 are hereby cancelled.

ANNEXE A

Defence Co-operation Program

For Director of Navy Accounts Statements of amounts expended in Navy Office Training MELBOURNE

HMAS..... Month.....19.....
Name..... Rank.....
Ship/Establishment to which Trans- Date of Transfer (where applicable)
ferred.....

a. Living Allowance:

Assessment of Entitlement:

Table with columns for Period, From, to, days, @, and Total. Includes a dollar sign symbol.

Details.....
.....
.....

ANNEXE A—continued

b. Leave Subsistence Allowance:

c. Clothing Allowance:

Details.....
.....
.....

d. Establishment Allowance:

Details.....
.....
.....

e. Travel warrants (up to \$50.00 per year)

Authorised Leave Period, Details of Travel and Charges

.....
.....
.....

f. Medical and Dental Treatment:

Table with columns for Naval Hospital, Other Hospital, Amounts paid to civilian doctors, Amounts paid to civilian dentists, and Total. Includes a dollar sign symbol.

Total .. .. .
Details.....
.....
.....

g. Victualling and Accommodation in.....

Table with columns for Mess, From, to, days, @, and Total. Includes a dollar sign symbol.

h. Tuition Fees:

Periods actually under tuition:

Table with columns for From, weeks, @, and Total. Includes a dollar sign symbol.

ANNEXE A—continued

i. Hotel type accommodation and meals, <i>see</i> Sub-paragraph 6.b. in Navy Order 111/75.....			
.....			
at.....			
Necessitated by.....			
.....			
.....			
From	to	days @	\$
From	to	days @	
Total .. .. .			

- j. Other charges, eg, fares, excess baggage (give details):  
.....  
.....  
.....
- k. Service clothing (essential items, replacement issues and/or repairs—give details and charges):  
.....  
.....  
.....  
.....  
.....

Summary of Above

a. ....			
b. ....			
c. ....			
d. ....			
e. ....			
f. ....			
g. ....			
h. ....			
i. ....			
j. ....			
k. ....			
GRAND TOTAL .. .. .			

(519/3/10)

(Navy Orders 136/73, 196/73, 287/73, 85/74 and 387/74)

UNCLASSIFIED

112/75—Engineering Personnel—Membership of the Australian Institute of Engineering Associates

1. This order discusses the desirability of the affiliation of officers and senior sailors of the Engineering Branches with the Australian Institute of Engineering Associates.

2. The Institute changed its name in 1973 as a result of the amalgamation of the Association of Certificate Engineers, Australia, and the Association of Diploma Engineers, Western Australia, at the behest of their patron—the Institution of Engineers, Australia. The Institute provides Australia wide status, the exchange of information through its monthly journal—'The Engineering Associate', and monthly divisional meetings for technical lectures and visits.

3. Eligibility for membership is for Engineering Associates who are qualified by specialist education in the application of science and mathematics to engineering techniques who work under the general direction of a Chartered Engineer but are capable of working independently within the framework of established engineering practices, using relevant engineering standards and codes of practice, in the specialty and function with which they are concerned. As a guideline they should be the holder of an upper level sub-professional engineering certificate with the equivalence of the Certificate in NSW and Victoria, and the Diploma in Western Australia.

4. It is appreciated that for many reasons engineering personnel are not able to participate in the activities of the Institute to the same extent as their civilian counterparts. Security aspects alone preclude discussion of much of the day-to-day work of engineering personnel to the extent and detail usually required for technical paper and discussion group presentations.

3. The Institute recognises and accepts that personnel of the Armed Services are placed at a disadvantage by comparisons with other members and allowances are made for this, when in due course service members become eligible for high office and greater responsibility in Institute affairs.

6. Engineering personnel holding responsible positions in their specialist fields can obtain value to themselves, and to the Service, by even limited participation in technical discussions outside the Service and by the personal contacts which these bring.

7. The many different courses undergone by officers and sailors in Australia and overseas coupled with ever changing syllabuses has made it impractical for the Royal Australian Navy to negotiate blanket exemption coverage for groups of engineering personnel, as every person essentially has a different training and experience background. Applications for exemption must be made direct to the Institute whose address is:

PO Box 408,  
NORTH SYDNEY 2060.

A comprehensive statement of individual training may be obtained by application through the normal service channels.

8. Candidates who wish to undertake courses of study leading to qualifications which satisfy the Institute's external requirements are reminded that the Services Vocational and Education Training Scheme (SVETS) exists to provide facilities whereby personnel of the Services undertake study in their own time and that provision is made for a refund of between 75 per cent and 100 per cent of fees paid, subject to satisfactory progress. Navy Order 201/73 is relevant.

9. The Naval Board wish to emphasise the desirability of engineering personnel taking steps to join the Australian Institute of Engineering Associates before retirement from the Service so as to enjoy full status in the civil field.

(302/2/197)

(Navy Order 201/73)

#### Section 4

### EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

#### 113/75—Pyjamas, Men's, Heavyweight

1. Stocks of 8420-66-073-1420 to 8420-66-073-1424 PYJAMAS, MEN'S, HEAVYWEIGHT, will not be further replenished.

2. On exhaustion of current stocks of this item, all requirements for gratuitous issue will be met by the issue of 8420-66-073-1425 to 8420-66-073-1428 PYJAMAS, MEN'S, LIGHTWEIGHT. This item will also be available for repayment sale.

3. Details of stock numbers, sizes, etc, are included in Annexe A to this order.

4. The current repayment issuing price for the lightweight pyjamas is \$3.78 per pair.

5. This amendment will be incorporated in the revised scales of kit which will shortly be promulgated as Appendixes to ABR 81, RAN Uniform Instructions.

#### ANNEXE A

<i>Class</i>	<i>Catalogue Number</i>	<i>Description</i>	<i>Unit of Issue</i>	<i>Acctg Classn</i>
8420	66-073-1425	PYJAMAS, MEN'S, LIGHTWEIGHT, Size SM	PR	P
8420	66-073-1426	PYJAMAS, MEN'S, LIGHTWEIGHT, Size M	PR	P
8420	66-073-1427	PYJAMAS, MEN'S, LIGHTWEIGHT, Size OS	PR	P
8520	66-073-1428	PYJAMAS, MEN'S, LIGHTWEIGHT, Size XOS	PR	P

(1/8420/13)

HISTORIAN

ANOs 114/75-120/75



# AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,  
4 April 1975.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

NAVY ORDERS  
1975

- Additional copies of Navy Orders may be readily obtained by:
- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
  - b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
  - c. telephoning Navy Office, Canberra 65 3461.

OPERATIONAL AND TRAINING

**CONTENTS**

<i>No</i>	<i>Title</i>
<b>SECTION 3—OPERATIONAL AND TRAINING</b>	
114/75	Aviation—Detached Helicopter Flights.
115/75	NBC—Exercises Under Tropical Conditions.
116/75	Thunderflashes—Safety Precautions.
<b>SECTION 4—EQUIPMENT, STORES AND SERVICING</b>	
117/75	Communications—Liferaft—Introduction of Portable Survival Radio Sets SOLAS IIIA.
118/75	Introduction of An Oil Boom For Oil Slick Control.
119/75	The Defence Cataloguing System—Policy.
<b>AMENDMENTS</b>	
120/75	Naval Historical Society.



Section 3

OPERATIONAL AND TRAINING

UNCLASSIFIED

114/75—Aviation—Detached Helicopter Flights

1. The operation of helicopters from ships other than aircraft carriers commenced in the RAN with the deployment of a Scout helicopter from 723 Squadron in HMAS MORESBY. It is likely that the employment of detached flights, usually in the form of a single helicopter, will increase, and it is important to develop the full potential of these detached flights. Great responsibility can be thrown on the officers posted to command these flights. The senior technical sailors do not have the benefit of on-the-spot senior professional aviation experience and advice which is automatically given to their contemporaries in other Fleet Air Arm Squadrons.

2. A broad outline of the aviation arrangements and requirements for detached flights is therefore published in this order for the information and guidance of all concerned. Detached flights include all helicopter flights in ships other than HMAS MELBOURNE.

3. Commanding Officers of ships in which flights are embarked are responsible to COMAUSFLT for the duties of such flights in accordance with RI Chapter 60, Section 2. All correspondence concerning the operation, organisation, administration and training of detached flights is to be forwarded through this authority with copies to FOCEA and RANAS Nowra (or parent ship or station) as applicable.

Flight Titles

4. Each flight will bear the parent squadron number followed by the name of the ship, eg, HT-723 Squadron MORESBY Flight.

Helicopter Arrangements During Harbour Periods

5. During harbour periods of less than ten days, the flight should be integrated with the ships organisation. During harbour periods of ten days or more in Sydney, Brisbane or Melbourne, Commanding Officers of ships are normally to disembark the aircraft and flight to RANAS Nowra. On occasions when the ship will be docking in Brisbane or Melbourne, this should be done at a point as near as possible to RANAS Nowra. This arrangement will:

- a. enable aircrew to keep in full flying practice which is essential for both operation and flight safety reasons;
- b. enable the air and maintenance crews to liaise with their parent unit and ensure that the appropriate techniques, standards and practices are being maintained;
- c. provide an opportunity for applicable modifications to be incorporated in the aircraft. During harbour periods of less than ten days, helicopter maintenance should be regarded as the prime requirement; and
- d. allow the aircraft to be used for the training of replacement aircrew for detached flights.

Flight Commander (Detached Flight)

6. When embarked, the Flight Commander is responsible to the Commanding Officer of the ship for all matters concerning his flight, and in particular for:

- a. the administration, discipline, training and efficiency of the flight;
- b. the airworthiness of the aircraft and the safety of aircrew under his command;

CONTENTS

SECTION 3—OPERATIONAL AND TRAINING

114/75 Aviation—Detached Helicopter Flights

114/75 Helicopter Arrangements During Harbour Periods

114/75 Flight Titles

114/75 Flight Commander (Detached Flight)

- c. keeping the Commanding Officer informed of the state of readiness and serviceability of the aircraft, so that the ship's task can be planned to the best advantage;
- d. the efficiency of the aircraft communications equipment to ensure efficient ship/air communications;
- e. seeking the advice as necessary of the ship, or parent station air technical officers on technical matters affecting the flight;
- f. divisional duties as laid down in RI Articles 3121 and 3130;
- g. the publications, log books and records associated with his aircraft, and for the correct maintenance standards and practices, *see* RI 4222, 4223, 4224, 4225, 4331, 4332 RANAMM, and AP (RAN) 102;
- h. the maintenance of flying discipline and good airmanship;
- i. the maintenance of a record of all accidents and incidents reported in accordance with ABR 5147;
- j. keeping himself informed of meteorological forecasts and warnings and ensuring that the conditions of visibility, wind and ship movement are within helicopter operating limitations; and
- k. keeping an up-to-date Record Book which is to be dealt with as described in RI 6150. When a flight disembarks, the Record Book is to be retained by the parent squadron.

#### Parent Squadron

7. When not embarked, the Flight Commander and the flight are to be integrated with the parent squadron.

#### Monthly Flying Returns

8. Monthly Flying Returns are to be rendered in accordance with RI Article 6152. If necessary or applicable, COMAUSFLT should comment on the returns of flights under his command.

#### Flight Deck Officer

9. a. *Responsibilities.* In ships other than aircraft carriers the Commanding Officer is to detail a Flight Deck Officer whose responsibilities are set out in RI 6120.

#### b. Training

(1) *Pre-commissioning Training.* Pre-commissioning training is to consist of a five day course at RANAS Nowra. (Course No 901529.) If possible two officers should be selected for the course. Nominations should be forwarded to HMAS ALBATROSS, copies to COMAUSFLT and FOCEA. The syllabus is to consist of lectures and practical experience under the supervision of the parent squadron, covering the following subjects:

- (a) principles of flight of the helicopter,
- (b) flight deck arrangements and layout,
- (c) deck handling, chocks and lashings,
- (d) safety precautions,
- (e) marshalling signals,
- (f) small ships operating problems,
- (g) composition and qualifications of the aircraft maintenance party,
- (h) search and rescue,

- (i) chemistry and types of fire,
- (j) specialised aircraft fire-fighting equipment as applicable to ships including maintenance testing and recharging,
- (k) flight deck and hangar fire-fighting arrangements,
- (l) flight deck and hangar fire risks, general precautions, fuelling and defuelling,
- (m) fire fighting protective clothing, care and maintenance,
- (n) helicopter jettison doors, emergency break-in points, fire access panels, markings,
- (o) release and rescue of aircrew,
- (p) practical demonstration of fire-fighting equipment, aircraft fires and rescues of aircrew.

Air experience will be given to demonstrate the following:

- (q) handling characteristics of the Bell 206B-1/Wessex helicopter,
- (r) the pilots view of various visibility conditions, and
- (s) the characteristics of voice radio in aircraft.

*Note:* Officers should have a good acquaintance with BR 776 Helicopter Operating Handbook and Aircraft Marshalling Signals before joining.

(2) *Work-up Training.* During the work-ups every opportunity should be taken for flight team training. The FDO should supervise this training and ensure that all sailors detailed for duties on the flight deck or in the hangar are properly trained.

10. Navy Order 141/72 is hereby cancelled.

(1311/201/80)

(Navy Order 141/72)

## UNCLASSIFIED

### 115/75—NBC—Exercises Under Tropical Conditions

1. The following precautions are to be observed when carrying out NBC exercises under tropical conditions:

#### a. Medical Precautions

- (1) Exercises are to be carried out with Air Conditioning and Air Filtration Units (AFUs) working at full efficiency. Sources of 'wild heat' are to be eliminated as far as possible. It is not considered likely that any major medical hazards will occur in an efficiently air conditioned citadel.
- (2) Wearing of protective field masks and protective clothing by engine and boiler room personnel, and the closing down of engine rooms, should be included only if a Medical Officer is borne. The Commanding Officer should decide on the safety of holding such an exercise after conferring with his Medical Officer.
- (3) All personnel who may be subjected to heat hazards are to have a medical review. Those found to be temporarily unfit (eg, with respiratory or nasal infections, acute skin conditions, etc) are to be excluded from working in heat hazardous areas such as engine and boiler rooms, galleys, gun mountings, etc.

- (4) Prior to the commencement of such an exercise a lecture is to be given to the ship's company explaining the hazards associated with heat in these circumstances, and should include the symptoms and signs of heat stress and heat exhaustion, and their treatment.
  - (5) Men working in non air-conditioned and poorly ventilated spaces are to have their pulse rate checked at least every fifteen minutes. Any person with a pulse rate over one hundred and fifty beats per minute should be seen by the medical branch personnel and have his temperature recorded. If this reaches 38° C or over he should be withdrawn to the coolest area on the ship.
  - (6) During such an exercise, the monitoring of personnel in heat hazard areas should be performed by supervisory personnel who have been specially briefed by the Medical Officer. A check off list is to be issued to the supervisors to assist them in this task.
  - (7) Water, plain or flavoured with lime or lemon powder, to which salt has been added in the proportion of a half teaspoonful per quart, must be freely available throughout the ship. This point is of **MAJOR IMPORTANCE**.
  - (8) Facilities for the emergency treatment of heat stroke are to be available, ie, ample water, supply of ice and efficient air movement. A cool mess provided with adequate ventilation and air movement is to be set aside as a recovery station for possible heat casualties.
- b. *Protection of Machinery from Overheating* The guidance on maximum machinery space temperatures in BR 2171 Part 4 Chapter 1 Sub-chapter IV Paragraph 80 must be carefully observed.
- c. *Protection of Electrical and Electronic Equipment from Overheating*
- (1) Care must be taken, whilst in the closed down condition, to prevent overheating of electrical and electronic equipment, otherwise damage, and not always immediately noticeable damage (eg, deterioration of insulation), may occur and/or operational efficiency may be affected.
  - (2) As a general guide air temperature within electronic equipment should not exceed 54° C—above this temperature damage and deterioration can be expected. Care is therefore necessary to ensure correct operation of equipment cooling systems. Further, where cooling air is drawn direct from the compartment in which the equipment is installed ambient temperatures above 33° C are liable to cause a reduction in operational efficiency.
  - (3) If such equipment is liable to suffer reduction in efficiency and/or damage due to overheating, it should be shut down, having first obtained approval of the Command.

2. Navy Order 130/74 is hereby cancelled.

(327/54/129)

(Navy Order 130/74)

UNCLASSIFIED

#### 116/75—Thunderflashes—Safety Precautions

1. A recent incident in a HMA ship resulted in serious injury to a sailor through the improper use of a Thunderflash. As a consequence of this incident Thunderflashes Mark N2 (large) were withdrawn from Naval service. Thunderflashes Mark N5

(small) are now authorised for use only in Damage Control exercises, Landing Party training ashore and diving operations.

2. Investigation of the dangers involved in exploding Thunderflashes Mark N5 has determined that strict safety precautions need to be observed at all times when this store is used. On detonation, the plug on the striker end separates, and becomes a projectile which can travel up to eighteen metres. One experiment propelled a bucket ten metres into the air and split its seams open.

3. To ensure the safe handling and operation of the Mark N5 Thunderflash the following safety precautions are to be observed:

- a. *Landing Party Exercises*. The Thunderflash when thrown should land at least eighteen metres from any person. If the Thunderflash lands within eighteen metres of any person, he is to immediately to turn away until three seconds after the detonation.
- b. *Damage Control Exercises*. The Thunderflash is to be dropped in a bucket or similar open-ended container immediately after striking. All personnel are to be kept clear of the area above the container until after detonation.
- c. *Diving Operations*. The Thunderflash is to be weighted prior to use, in order to achieve submerged detonation. Thunderflashes are not to be dropped within six metres of the known position of a diver.
- d. Thunderflashes are not to be exploded within a closed container of any kind.
- e. Only personnel qualified in the use of Thunderflashes through advanced NBCD, MCDO and Supervisory Diving Officers courses are to be considered competent to use or instruct others in the use of Thunderflashes. No other person is authorised to use a Thunderflash unless he has received competent instruction.

4. Training authorities are to note the above precautions and ensure that all personnel qualifying in the listed courses are thoroughly conversant with the precautions, and are competent to instruct others in the safe use of Thunderflashes.

(32/3/28)

#### Section 4

### EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

#### 117/75—Communications—Liferaft—Introduction of Portable Survival Radio Set SOLAS IIIA

1. Limited numbers of 5820-66-059-4626 SURVIVAL RADIO SET SOLAS IIIA have been produced to supplement the existing survival radio set type 638 in Fleet service. The type 638 sets returned to Naval Stores will be used to provide logistic support for the remaining type 638 sets in service. The allocation of portable survival radio sets type 638 and SOLAS IIIA is given in Annexe A.

2. Ships allocated SOLAS IIIA equipments are to take the necessary action to return their type 638 and demand SOLAS IIIA from the appropriate stores authority. The handbook for SOLAS IIIA (TEM 5820-0005) may be obtained from the Executive Officer Publications, Garden Island, Sydney, NSW. No onboard spares will be carried, all repairs will be done by the Dockyard.

3. For stowage purposes, attention is drawn to the difference in physical sizes of the two sets:

	Length	Width	Depth
SOLAS III	19.25 in (490mm)	15.75 in (400mm)	11.8 in (300mm)
TYPE 638	22.5 in (570mm)	11.5 in (292mm)	9.0 in (229mm)

ANNEXE A

Ship	Type 638	SOLAS IIIA
MELBOURNE	3	—
STALWART	3	—
SUPPLY	3	—
PERTH	2	—
BRISBANE	2	—
HOBART	2	—
VENDETTA	2	—
VAMPIRE	2	—
DUCHESS	2	—
PARRAMATTA	2	—
STUART	2	—
DERWENT	2	—
YARRA	2	—
SWAN	2	—
TORRENS	2	—
AITAPE	1	—
LADAVA	1	—
LAE	1	—
MADANG	1	—
SAMARAI	1	—
ACUTE	—	1
ADROIT	—	1
ADVANCE	—	1
ARDENT	—	1
ARROW	—	1
ASSAIL	—	1
ATTACK	—	1
AWARE	—	1
BARBETTE	—	1
BARRICADE	—	1
BAYONET	—	1
BOMBARD	—	1
BUCCANEER	—	1
LABUAN	1	—
BALIKPAPAN	1	—
BUNA	1	—
WEWAK	1	—
TARAKAN	1	—
SALAMOA	1	—
BETANO	1	—
BRUNEI	1	—

ANNEXE A—continued

Ship	Type 638	SOLAS IIIA
COOK	—	1
MORESBY	—	1
FLINDERS	—	1
DIAMANTINA	—	1
KIMBLA	—	1
BASS	—	1
BANKS	—	2
CURLEW	—	1
IBIS	—	1
SNIPE	—	1
SEAL	1	—
PORPOISE	1	—
FRANKLIN	1	—
NIRIMBA	1	—
TRVX3 (IEA)	3	—
AWL	1	—
CSLX3 (IEA)	3	—
<b>Total</b>	<b>57</b>	<b>24</b>

(501/54/913)

UNCLASSIFIED

118/75—Introduction of An Oil Boom For Oil Slick Control

- As a result of trials an oil boom has been introduced into service.
- The main items of the boom have been codified as follows:

Class	Catalogue Number	Description	Unit of Issue	Acctg Classn
2090	66-032-6325	OIL BOOM 50ft LENGTH	FT	P
2090	66-056-2260	TOWING CONNECTOR	NO	P
2090	66-060-2014	REPAIR KIT	NO	C

3. Approved distribution of the boom is as shown in Annexe A. Initial issue will be made without demand as quantities become available.

4. A complete parts list for the oil boom, instructions for its use and maintenance are contained in MBR 10332. This publication should be carefully studied and understood by all concerned.

5. On each occasion the oil spill boom is used, a written report is to be rendered to Department of Defence (Navy Office) marked for the attention of the Chairman Sewage and Waste Disposal Steering Group. This report is to contain comments on the area covered by, the effectiveness of, and the time taken to deploy the boom. Adverse comment, if any, should be included in the report to allow for any design or operational changes to be initiated.

6. The Sewage and Waste Disposal Steering Group in conjunction with other interested departments are actively investigating the recovery and disposal of oil slicks and relevant authorities will be kept informed of progress.

7. The oil boom is to be used at the discretion of the officer-in-charge promptly and effectively to contain oil spills when and where they occur.

ANNEXE A  
Oil Boom Distribution

Authority	2090-66-032-6325 Oil Boom 50A (FT)	2090-66-056-2260 Towing Connector (NO)	2090-66-060-2014 Repair Kit (NO)	MBR 10332 Handbook (NO)
FOCEA for fuelling activities in the port of Sydney	1,200	6	2	2
FOCEA for HMAS CRESWELL	300	2	1	1
FOCEA for HMAS PLATYPUS	600	2	1	1
FOCEA for HMAS WATERHEN	150	2	1	1
GMWD for all fuelling activities in the port of Melbourne	900	4	2	1
NOCWA for Fremantle OFI	300	2	1	1
NOCNA for Darwin OFI and OFL	300	2	1	1
COMPNG for Manus OFI	300	2	1	1
NOIC Q for Windsor (Brisbane) OFI	300	2	1	1
NOIC Q for CAIRNS OFI	300	2	1	1
NOIC Q for STALWART	100	2	1	1
Navy Office	—	—	—	—
SGSO for stock	300	—	—	2
SWSO for stock	—	4	2	1
				9

(1/2090/11)

UNCLASSIFIED

119/75—The Defence Cataloguing System—Policy

Description of System

1. The Defence Cataloguing System (DCS) is a procedure for classifying, identifying, documenting and stock numbering of items of supply in the Services inventories in a uniform and consistent manner. The DCS is derived from, and is virtually identical with, the Federal Catalogue System, which was developed in the USA and later adopted by NATO and certain other countries in which it is referred to as the NATO Supply Codification System. Accordingly, as a broad principle and provided that relevant rules and procedures are complied with, codification of an item overseas under the Federal/NATO systems is regarded as bringing it within the scope of the DCS.

2. The underlying principle of the DCS, as laid down by Department of Defence, is that each item of supply repetitively procured, stocked, used or distributed, and which is of such practical logistical importance as to justify inventory management, reporting or stock control, will be:

- a. classified under one supply classification;
- b. identified under one name and description; and
- c. given only one identifying stock number which is unique to that item.

3. An item of supply is any thing or collection of things to which a unique stock number has been assigned. An item of supply may be:

- a. a single item of production;
- b. two or more items of production;
- c. a modification of a normal item of production; or
- d. a more precise item of production selected from a normal production run.

4. A manufacturer's item of production therefore may meet one or several different users concepts of an item of supply. Accordingly it is possible and valid to have:

- a. the one part number listed against one or more stock numbers assigned overseas; and
- b. have the same part number listed against an Australian Defence Stock Number.

5. In order to provide stability in the stock numbers used in the DCS, items for which the country of origin (and consequently the stock number) could change with successive re-procurements, without affecting the item of supply concept, will be allocated an Australian Defence Stock Number.

6. A brief outline of the DCS is given in Annex A from which it will be observed that the codification of an item of supply under the system results in the allocation to that item of the now generally familiar thirteen digit stock number. This is expressed in the format '0000-00-000-0000', in which the first four digits represent the Class (ie, supply classification or commodity area), the next two are the Nation Code of the country which first codified the item, and the remaining seven constitute the item identification number allotted to the particular item involved.

7. Specifically excluded from the DCS are certain relatively small categories of items, as follows:

- a. items which are procured on a one-time basis only, for immediate issue for maintenance, research and development tests, etc, and which are to become an integral part of another item or consumed or discarded during work processes;

- b. items intended for direct use or consumption on a non-repetitive basis and not subject to inventory management, reporting or stock control;
- c. items of a temporary nature fabricated for use on specific jobs (eg, patterns, jigs, templates, etc);
- d. locally procured items required to maintain commercial type vehicles and works plant, where the parts are listed in manufacturers catalogues, unless codification of specific items is a requirement for departmental supply management purposes;
- e. printed forms, publications, charts, etc, identified and managed under other centrally controlled systems;
- f. parent equipments of a major nature, such as ships and aircraft, which are subject to operational and/or establishment control;
- g. fixed property and installations normally accounted for in Property Assets Registers; and
- h. equipment which has not been provided from Public Funds.

8. The development, control and administration of the DCS is vested in the Defence Cataloguing Authority established in the Department of Defence. Within Navy Office implementation is a responsibility of the Director of Naval Supply Services (DNSUS), Melbourne.

#### Policy and Objectives

9. The policy of the Government is that the inventories of each of the Armed Services and the Department of Manufacturing Industry be codified to the Defence Cataloguing System. Accordingly, it is mandatory that all eligible new items entering the inventory be dealt with under the system and that all eligible items in the current inventory be retrospectively converted with the exception of those which are currently obsolete or obsolescent.

10. The primary objective of this policy is the establishment for the Australian Armed Services of a 'common supply language' for which major logistical advantages are expected to flow in the years ahead. As far as RAN is concerned, the DCS eliminates the various supply classifications and stock numbering systems of RN, RAN, etc, origins (eg, Admiralty Patterns, Adref Nos, Vocabulary Numbers, 'L' Numbers, etc) and provides a sound basis for management of the inventory under more clearly defined commodity groupings and further rationalisation between the various Supply Branches.

11. The retrospective conversion of the existing inventory is almost complete and all items in the Navy inventory except obsolete items and those exempt from the Defence Cataloguing System will now have Defence Stock Numbers.

#### Temporary Stock Numbers (TSNs)

12. As the process of codification under the DCS has in the past taken some time to complete, provision has existed for new items, whether of local or overseas origin, which were not acceptably identified on receipt at the various Supply Depots to be allocated Temporary Stock Numbers (TSNs), when a delay in the codification action was likely to obstruct normal supply processes.

13. The standard TSN system applied to all categories of stores and the numbers were expressed in the format '0000-66-TSN-0000'. The first four digits represent the Class, the next two are the Australian Nation Code and following the 'TSN' indicator is a four digit sequential number for each item dealt with.

14. Although the TSN system was introduced primarily for Store Depot purposes and its use was avoided where practicable, a proportion of the temporary numbers necessarily found their way into the accounts of HMA ships and establishments because of the need for prompt issue of items. Stowage and accounting arrangements for such items are to be in accordance with the provisions of ABR 4, Articles 1705 and 1806.

15. However, procedures for the allocation of DSNs have been streamlined, eliminating the necessity for allocation of a TSN. No further TSNs therefore are being allocated and those in existence are progressively being replaced by DSNs or ACNs.

#### Accounting Control Numbers (ACNs)

16. When an item of supply is excluded from the DCS and it is necessary for recording purposes, from a supply or accounting point of view, for it to have a unique identification number, application is to be made to DNSUS for allocation of an Accounting Control Number (ACN).

17. ACNs will appear in the normal thirteen digit stock number sequence and will be expressed in the following format:

Class	Nation Code	SIIN
5905	— 66 —	ACN-1234

The use of 'ACN' as the first three characters of the Service Item Identification Number (SIIN) will, when used with the Australian Nation Code '66', enable ready recognition of this type of item. It should be noted, however, that other countries may use the characters 'ACN' in a different sense, eg, in the United States of America it means Activity Control Number.

18. ACNs do not constitute a positive identification medium in the same way as DSNs do. ACNs are merely a tool for accounting and control purposes. In the circumstances when they are allocated to enable user authorities to account for items which are dealt with by the Supply Division on a direct issue or direct delivery basis, ACNs will not appear in ABR 5074—RAN Catalogue of Materiel. However, where ACNs are used by the Supply Division for normal accounting and stock control purposes, they will be shown in the catalogues in the normal manner.

19. Although ACNs can be used for normal demand, issue, return, survey etc, procedures within the RAN, they have no validity outside the RAN.

#### Suspect Item Numbers (SINs)

20. For a variety of reasons it is possible that an item received against an order may be found on receipt inspection at a Supply Depot to be incompatible with the description and/or stock number of the item which was originally ordered. Some of the reasons why this may occur are:

- a. a contractor has introduced a design, procurement source or identification change since submitting his original proposals;
- b. the information upon which codification was instituted at the time of ordering may have been incorrect or inadequate; or
- c. a clerical error has occurred.

21. When such circumstances arise and the item cannot be accepted with certainty as fully complying with the stock number shown on the order/draft receipt voucher (Form SO6), a Suspect Item Number (SIN) is assigned at the Supply Depot to enable the item to be taken on charge. This number is identified by the use of a designator consisting of the letter 'S' (for suspect) and the three digits of the Julian date of receipt: eg, for an item received on 2 January the designator would be S002. The suspect number is created by insertion of the designator as a suffix to the catalogue number as is illustrated in the following example:

Stock No of Item	..	..	5905-66-123-4567
Suspect Item No	..	..	5905-66-123-4567-S002

22. The correct identity of an item allocated a SIN is normally resolved at the Supply Depot. The SIN assigned will be used until such time as action by either the Supply Depot or DNSUS is complete. SINs will not appear in ABR 5074 Catalogues and are not to be used when demanding stores.

#### RAN Catalogue of Materiel

23. The introduction of RAN Catalogue of Materiel (ABR 5074) in miniaturised format was promulgated in Navy Order 239/74. Detailed instructions covering the use of RAN Catalogue of Materiel (ABR 5074) are contained in section ABR 5074A—Memorandum of Instructions, which is produced in hard copy form.

24. Navy Orders 357/72 and 293/73 are hereby cancelled.

#### ANNEXE A

##### Outline of Defence Cataloguing System

1. An outline description of the system is as follows:

- a. All stores are classified on the basis of technical affinity or other criteria into Groups. Each Group covers a major commodity area and is identified by a two digit code. For example, Communication Equipment is Group 58.
- b. Groups are divided into Classes. Each Class is identified by a four digit code in which the first two digits correspond with the Group Code. For Example, Class 5845 covers Underwater Sound Equipment within Group 58 (Communication Equipment).
- c. A specific item within a Class is identified by a nine digit number termed the Defence, NATO or National Item Identification Number, ie, DIIN or NIIN. The number is always written in the form of two digits, hyphen, three digits, hyphen, four digits. For example, a DIIN would appear as 66-123-4567.
- d. The first two digits in the abovementioned Item Identification Number constitute a Nation Code, which identifies the country which first codified the item (in accordance with the details in Paragraph 3), and the remaining seven digits are non-significant.
- e. The full identification number of an item consists of thirteen digits and is known as the Defence, National or NATO Stock Number (ie, DSN or NSN). It is written in the form:

<i>Class</i>	<i>Nation</i>	<i>Non-significant</i>
5845	— 66	— 123-4567

However, formal adoption of a US National or NATO Stock Number, including registration with the overseas codification bureau concerned, brings the item concerned within the scope of the Defence Cataloguing System and the number is then regarded as a Defence Stock Number.

2. The method of differentiating one item from another, as described above, is known as 'Item Identification'. The essence of item identification is for the user department to develop to a standard format such as a description of an item that the Cataloguing Authority, without physically sighting the item and merely by comparison of description, no matter by whom prepared, can determine whether or not that particular item has been codified previously.

3. The list of current Nation Codes is shown in ABR 5074A.

(400/1/1744)

(Navy Orders 357/72, 293/73 and 239/74)

#### AMENDMENTS

UNCLASSIFIED

#### 120/75—Naval Historical Society

Navy Order 252/73 is to be amended as follows:

##### Paragraph 5:

*delete* '\$2.00' and '\$20.00';  
*insert* '\$3.00' and '\$30.00'.

##### Delete Paragraph 7 and insert new paragraph:

'Chapters of the Society operate in the Australian Capital Territory, New South Wales, Victoria, South Australia and Papua New Guinea. Further chapters are being formed in Western Australia, Queensland and Tasmania.'

To chapter addresses *add*:

Australian Capital Territory  
PO Box 20  
COOK, ACT 2614.

(Navy Order 252/73)

(37/8/36)

The Commission is to be established in the United States of America... The Commission shall be composed of... The Commission shall have the honor of the President of the United States...

120/72-Naval Historical Society

The Commission is to be established in the United States of America... The Commission shall be composed of... The Commission shall have the honor of the President of the United States...

Chapter of the Society of the United States... The Commission shall be composed of... The Commission shall have the honor of the President of the United States...

To report... The Commission shall be composed of... The Commission shall have the honor of the President of the United States...

Naval Order 2415... The Commission shall be composed of... The Commission shall have the honor of the President of the United States...

A special... The Commission shall be composed of... The Commission shall have the honor of the President of the United States...

The... The Commission shall be composed of... The Commission shall have the honor of the President of the United States...

The... The Commission shall be composed of... The Commission shall have the honor of the President of the United States...

However... The Commission shall be composed of... The Commission shall have the honor of the President of the United States...

The... The Commission shall be composed of... The Commission shall have the honor of the President of the United States...

The... The Commission shall be composed of... The Commission shall have the honor of the President of the United States...





HISTORIAN

RESTRICTED

ANOs 121/75-128/75



# AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,

14 April 1975.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

A handwritten signature in cursive script, appearing to read 'J. Green'.

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

RESTRICTED

ADMINISTRATIVE AND GENERAL

CONTENTS

No Title

SECTION 1—ADMINISTRATIVE AND GENERAL

- 121/75 Air Travel Eastern States and Western Australia and Vice Versa During December and January—Use of Chartered Aircraft.
- 122/75 Ceremonial—Saluting Stations at Commonwealth and Foreign Ports in the Pacific and Indian Oceans.
- 123/75 Guided Weapons—Seacat Missiles—Canted Motors.
- 124/75 Will Not Be Issued.
- 125/75 Visits by Foreign Warships—Liaison by Royal Australian Navy.

SECTION 4—EQUIPMENT, STORES AND SERVICING

- 126/75 Classes 6840 and 3740—Pesticides, Weedicides and Associated Applicators.
- 127/75 Wearing of Cotton Twill Working Dress Jacket—by Officers at Sea on an Optional Basis.

SECTION 5—BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

- 128/75 Form TT123—Report of Trials of Machinery for Internal Combustion Propelled Surface Vessels.

Additional copies of Navy Orders may be readily obtained by:

- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 3461.

(11)	(12)
December	January
19 May 75 2300 10	19 May 75 1100 Paragraph 11
18 2300 75	17 2300 75
18 2300 75	18 2300 75
18 2300 75	18 2300 75

## Section 1

## ADMINISTRATIVE AND GENERAL

## UNCLASSIFIED

121/75—Air Travel Eastern States and Western Australia and Vice Versa  
During December and January—Use of Chartered Aircraft

## General

1. Because of the very considerable loss of man hours which would result from the use of surface transport for leave and duty travel between the Eastern States and Western Australia over the Christmas leave period each year, the Naval Board has decided that the use of chartered aircraft will continue.

2. The air charter system is to be used for:

- a. the return transport of the following to and from Western Australia:
  - (1) members from Eastern States, ships and establishments taking Christmas leave in Western Australia, and
  - (2) members from Western Australian ships and establishments taking Christmas leave in the Eastern States;
- b. the transport of the following to Western Australia:
  - (1) January Junior Recruit intake from Queensland, New South Wales, Victoria and Tasmania to HMAS LEEUWIN, and
  - (2) January SGCE candidates from the Eastern States to HMAS LEEUWIN;
- c. the transport of the following from Western Australia:
  - (1) January Naval Artificer Apprentices intake from Western Australia to HMAS NIRIMBA, and
  - (2) January General Service and WRANS intake from Western Australia to HMAS CERBERUS; and
- d. the transport of Army and RAAF members on any leg of a chartered aircraft flight on a fill-up basis.

## Operating Arrangements

3. The use of chartered aircraft instead of scheduled flights results in a considerable financial saving but to obtain the maximum benefit, it is important that every seat in such aircraft is utilised. All flights under the charter system are dependent on adequate loading. For this reason, authorities responsible for the movement of the members mentioned in Paragraph 2 above are to ensure that they travel by the chartered aircraft.

4. To enable course and other programs to be tailored to the air charter operation and to provide for leave planning, the following fixed basic dates for the air charter are promulgated:

(1)	(2)
December	January
Friday 12 DEC 75	Friday 9 JAN 76 (See Paragraph 5)
10 DEC 76	7 JAN 77
16 DEC 77	13 JAN 78
15 DEC 78	12 JAN 79

5. One flight from each of Sydney and Melbourne for Perth will depart two days earlier than the date in Column (2) above to transport the January Junior Recruit intake to HMAS LEEUWIN and return with personnel to undergo instruction in schools in the Eastern States.

6. The flight plan for each of the chartered aircraft will be a direct return flight by the same aircraft. Flight plans will be:

ETD Sydney and Melbourne ..	2000	ETA Perth ..	2300
ETD Perth ..	0100	ETA Melbourne and Sydney	0600

(All times local and approximate)

#### Booking Procedures

7. In order to establish the charter aircraft requirement, all ships and establishments are to report their bids to the Director Movements Division, by 30 September each year. The format set out in Annexe A to this order is to be used for such reports. Nil returns are required.

8. In preparing bids, ships and establishments should ensure that members serving in small craft, outlying establishments, etc, are included and that members in posting lists are covered by the ship or establishment in which they will be serving on the date the charter operates.

9. The number of bids received dictates the number of aircraft to be chartered and it is essential that the numbers reported be as accurate as possible. Do not include:

- a. members who intend to travel to and from Western Australia in their own transport; and
- b. those with a leave entitlement who do not intend to travel to the Eastern States or Western Australia.

10. Air charter flights will involve leave adjustments; however, as the dates of the charter flights are planned around the needs of the majority and to meet Service requirements, these adjustments must be accepted. Members are normally to be granted that amount of leave appropriate to the charter program, any adjustments necessary being made in subsequent leave periods.

11. There is a need for close co-operation by the Fleet, shore establishments and training schools in the operation of the charter service. In particular, there should be little need for any Western Australian natives (including the few 'key' personnel—NPI (Old Edition) 228/1 (f)) to travel on different dates from those covered by charter flights and they are not normally to be set on advanced or retarded leave.

#### Reservations

12. Upon receipt of the bids for air passages (Paragraph 7), the aircraft requirement will be computed and ships and establishments will be informed of the reservations that have been made on their behalf. These reports will contain:

- a. flight details:
  - (1) flight numbers,
  - (2) departure and destination airports,
  - (3) ETD/ETA,
  - (4) airline, and
  - (5) number of seats reserved;
- b. local Movement authority to whom nominal lists are to be forwarded; and
- c. reference of last letter or message received by DMD.

13. Reservation details will be communicated by mid-November each year.

14. On receipt of the information vide Paragraph 12 above, ships and establishments are to compare the reservation list with their bids and signal any amendments to DEFNAV CANBERRA, using the Signal Indicator Group HAS. Reference to the Department of Defence letter advising the block reservations is to be included in the signal. It should be noted that only the numbers and ranks of members to be moved are required at this stage.

#### Nominal Lists

15. a. *Personnel in Paragraph 2a.* By 1 December, nominal lists of members travelling in each aircraft, based on the block numbers in the reservation lists, are to be forwarded to the local Movement authority at the point of departure and return, with copies to DMD. Examples of the report required are given in Annexe B to this order.
- b. *Personnel in Paragraph 2b. (1) and 2c.* Recruiting Staff Officers are responsible for forwarding nominal lists to the Movement authorities at the point of departure with copies to the receiving establishment and DMD.
- c. *Personnel in Paragraph 2b. (2).* Names and travel details will be advised when selections are announced by Navy Office.
- d. *Personnel in Paragraph 2d.* Personal details will be advised to local Movement authorities by DMD.

16. Movements authorities at departure cities are to provide the appropriate airlines with a co-ordinated passenger list for each flight. A copy of those lists is to be forwarded to DMD.

17. All personnel in Paragraph 2a (1) are to be instructed to report to HMAS LEEUWIN personally by telephone or reply paid telegram on completion of their leave, for further instructions.

#### Warrants

18. Leave concession warrants are not required for the actual air charter flights. Ships and establishments concerned may issue leave concession warrants to entitled members for travel between their locality and the departure city of the air charter as appropriate and for towns beyond the destination city of the air charter. Arrangements for this travel are to be made with relevant Movements Officers in accordance with normal procedures.

#### Baggage

19. Each passenger will be allowed free baggage of one bag linear measurement not to exceed 56 inches, eg, 28 inches x 18 inches x 10 inches.

#### Ground Transport

20. Arrangements for ground transport to and from airports will not be made by the airlines.

#### Reporting Time

21. Members are to be at the appropriate airport one hour prior to aircraft departure.

#### Dress

22. All sailors and Wrens below the rank of Petty Officer travelling on charter aircraft to and from Western Australia are to wear uniform. ABR 81 (RAN Uniform Instructions) will be amended accordingly.

**Refreshments**

23. A substantial supper will be served on all West-bound flights and breakfast on East-bound flights.

**Escorts**

24. a. For Junior Recruits, HMAS LEEUWIN is to detail an officer to travel in each plane transporting Junior Recruits;  
 b. Others—the Senior Officer or sailor travelling in each charter plane is to be detailed by the relevant Movements Officer to take charge.

**Administrative Arrangements**

25. The Flag Officer Commanding, East Australia Area, the Naval Officer Commanding, West Australia Area, and the Naval Officer-in-Charge, Victoria, as appropriate, are responsible that arrangements are made for members to be dispatched by the charter aircraft in accordance with the above instructions and for the dispersal of members after travel by charter aircraft. The Movements Officers at Sydney, Melbourne and Perth are to be present at the airport during the loading and unloading of aircraft and adequate staff is to be provided.

**Movements Officers**

26. It should be noted that the term 'Movements Officer, Perth' means the Western Command detachment, 1 Movement Control Group, Swan Barracks, Perth, Western Australia, Signal Address 'Army Movements, Perth' (RI 1761 refers).

27. For the purpose of this order 'Movements Officer, Melbourne' means the Personal Services Officer, 320 St Kilda Road, Melbourne (Phone: 69 5694).

SPECIMEN

## ANNEXE A

**WA Air Charter Travel Requirements—HMAS ANZAC**

The following personnel should not be included in this return:

- a. Personnel who do not intend to visit WA or the Eastern States for leave.  
 b. Personnel who intend to travel to and from WA by own transport.

Line	Officers (a)	WOs and CPOs (b)	Sailors Other Than CPOs (c)	WRANS (d)	Forward Journey		Return Journey		Leave Expires on Board		Remarks (m)
					From (e)	To (f)	Date (g)	From (h)	To (j)	Date (k)	
1	2	3	6	—	Sydney	Perth	12 Dec	Perth	Sydney	12 Jan 75	— — For HMAS CERBERUS For HMAS LEEUWIN
2	—	1	4	—	Sydney	Perth	12 Dec	Sydney	Sydney	5 Jan 75	
3	—	—	3	—	Sydney	Perth	12 Dec	Perth	Melbourne	5 Jan 75	
4	—	—	2	—	Sydney	Perth	12 Dec	—	Perth	12 Jan 75	

Notes: 1. Amendments to numbers requiring travel (quoting column and line number) are to be notified in accordance with this Navy Order Paragraph 14.

2. For WA based personnel the forward journey is from Perth to Sydney or Melbourne and the return journey is from Sydney or Melbourne to Perth.

.....  
 Captain

The Director  
 Movements Division  
 Navy Office  
 MELBOURNE, VIC 3004

## ANNEXE B

## Western Australian Leave Charter—HMAS ANZAC

## SPECIMEN

FLIGHT NO:

AIRLINE:

FROM:

TO:

DEPARTURE DATE AND TIMES:

## 1. Nominal List of Passengers

<i>Surname and Initials</i>	<i>Rank</i>	<i>No</i>	<i>Leave Expires</i>	<i>Address on Leave</i>
ADAMS, A. T.	LSMTP	R112202	8 JAN 76	27 Acton Road, Mt Pleasant WA.
BROWN, J. R.	ABETS	R113001	9 JAN 76	5 Brighton Beach, Bunbury WA (posted LEEUWIN CL).

2. The above list covers personnel in the following letters/messages originated by HMAS ANZAC:

26/113/2 of 1st October 1975

ANZAC message DTG 210007Z October 1975

ANZAC message DTG 052330Z November 1975

Commanding Officer.

TO: Local Movements Officer (Departure City)

INFOR: Director Movements Division  
Local Movements Officer (Destination)  
HMAS LEEUWIN.

(187/51/255)

## UNCLASSIFIED

## 122/75—Ceremonial—Saluting Stations at Commonwealth and Foreign Ports in the Pacific and Indian Oceans

1. The lists of saluting stations at ports in the Pacific and Indian Oceans are promulgated in accordance with RI 1362 (5). Information given in these lists is however not to be regarded as in any way relieving Senior Officers of the requirements of RI Article 1365.

2. Any alterations or additions to the list are to be reported as soon as definite information is obtained.

## ANNEXE A

## Commonwealth Countries

Canada ..	Vancouver, BC ..	National salutes are fired from Brockton Point.
	Victoria, BC ..	National salutes will be returned from Work Point Barracks for ships entering Victoria Harbour.
	(Esquimalt, BC)	National salutes will be returned from View Point for ships proceeding to Esquimalt.

## ANNEXE A—continued

Ceylon ..	Colombo ..	Naval Battery, Battenburg Point.
Fiji ..	Suva ..	If a salute is to be fired, a mobile battery of the Fiji Military Forces will be sited on the foreshore in front of Government House.
Hong Kong ..	Hong Kong ..	Naval Saluting Battery—HMS TAMAR—Bull Nose Victoria Basin Entrance.
India ..	Calcutta ..	Shore Battery on the outer wall of Fort William facing river.
	Madras ..	Coast Battery, Madras Harbour, East Mole.
Malaysia ..	Port Klang ..	Mobile Saluting Battery. Salutes will be returned from North or South end of the Wharf area at North Klang Straits according to the direction of approaching shipping.
Maldives Islands ..	Male ..	Salutes at Male are returned from the Sultans Palace (approximately 04° 10' 33"N, 73° 30' E). Salutes should not be fired until ships are in the general area. Male, Dunidu, Funidu. Experience has shown that salutes fired immediately on entering the lagoon cannot be heard at the Sultans Palace.
Mauritius ..	Port Louis ..	Fort William. (Salutes exchanged on official visits only).
New Zealand ..	Auckland ..	HMNZS PHILOMEL National and Naval salutes.
	Wellington ..	Point Jerningham (Western Slope).
Pakistan ..	Karachi ..	East side of Minora Point.
Tanzania ..	Dar Es Salaam ..	By arrangement with Tanzanian authorities through BHC Dar Es Salaam.
Tonga ..	Nukualofa ..	Tongan ensign is flown from National Flagstaff just westward of the pier. Saluting battery of four Hotchkiss 3-pdr guns is mounted near the flagstaff. Royal Standard may fly from Palace (which is about 200 yards westward of National Flagstaff).
Western Samoa ..	—	Mulinu'u Saluting Station 13° 14' 46"S, 171° 46' 16"W.

## ANNEXE B

## Foreign Ports

Saluting stations in Colonial possessions are shown under the nation to which the colony belongs.

Cambodia ..	Phnom Penh ..	Battery opposite Royal Palace.
Chile ..	Punta Arenas ..	Muelle Stubenrauch.
	Talcahuano ..	The battery is situated in the ship HUASCA, permanently moored, as a memorial, off the main base administration building on the foreshore about a quarter of mile to the southward of the main dockyard basin.

## ANNEXE B—continued

	Valparaiso .. ..	Fort Almirante Silva Palma, Playa Ancha. The salutes to be outside 'Breakwater'.
Ecuador .. ..	Guayaquil .. ..	Cerro Santa Ana at the north end of the town. National salute fired in approximate position 178°. Cathedral Tower 9.5 cables. Care must be taken.
El Salvador .. ..	La Libertad .. ..	Military Post on Pier. National salute fired 15 minutes before anchoring.
Ethiopia .. ..	Massowak .. ..	Imperial Naval School Battery on the North Arm Jetty.
France (Colonies)— New Caledonia .. ..	Noumea .. ..	Battery at Residence of Director du Parc D'Artillerie.
Somaliland .. ..	Djibouti .. ..	Mobile battery in front of the Palais de Gouvernement. (Note: Previous notice required).
Indonesia .. ..	Tandjong Priok (Djakarta) .. ..	All salutes by visiting ships should be completed before entering breakwater. A saluting battery on NW extremity of port or a Naval ship will return salutes providing a weeks notice is given.
	Surabaja .. ..	Salutes will be returned by a Naval ship providing a weeks notice is given.
	Other ports .. ..	Salutes may be fired at any port when Indonesian men-of-war, able to return them, are berthed. Notice must be given in advance.
Iran .. ..	Bandar Abbas .. ..	Battery situated 3 kilometres east of the town opposite the Naval Base Garrison, Bandar Abbas, 27° 10' 55"N, 56° 17' 50"E.
	Bushire .. ..	South of the town of Mukfa'eh at the base of the lighthouse in approximate latitude 28° 56.5'N.
	Khark .. ..	Battery located at the foot of the Naval Base flag, Khark, 29° 14' 42"N, 50° 19' 36"E.
	Khorramshahr .. ..	Salutes returned from a battery of mobile field guns at foot of the Flag Staff in the Persian Naval Base, on the south side of the Hafar Channel.
Iraq .. ..	Basra (Ashar) .. ..	Field guns mounted on Customs jetty.
Japan .. ..	—	A saluting station, intended to act for all ports in Tokyo Bay, is situated on the hill close to the westward of Kannon Saki Lighthouse; Position 35° 15' 02"N, 139° 44' 48"E. National salutes will be returned between 0800 and sunset provided a weeks notice has been given. This saluting station will also be used for salutes to and from the flag of the MSDF Commandant Yokosuka Regional District, whose region includes all the Tokyo Bay ports.

## ANNEXE B—continued

Mexico .. ..	Acapulco .. ..	San Diego Fort. Naval Base Eastern corner of the bay. National salute should be fired underway.
Persian Gulf, Oman	Muscat .. ..	Mirani Fort on the West side of the town.
Peru .. ..	Callao .. ..	Escuela Naval, La Punta.
Philippines .. ..	Manila .. ..	In special cases and only by arrangement.
Portugal (Colonies)—		
Macau (China) .. ..	—	Bateria de Monte de Guia.
Mozambique .. ..	Lourenco Marques .. ..	Ponta Vermelha
	Beira .. ..	Muralha de Caoitana.
Timor .. ..	Dili .. ..	Bataria.
		(Note: Salutes are not normally fired in Portuguese waters between sunset and 0800, and 24 hours notice, at least, is normally required).
Saudi Arabia .. ..	Jedda .. ..	Mobile battery to the North of the town.
	Ras Tanura .. ..	By muzzle loaders on the Spit.
South Africa .. ..	Cape Town .. ..	Lion Battery on Lions Rump.
	Simonstown .. ..	Scala Battery 34° 10' 24"S, 18° 25' 03"E.
South Vietnam .. ..	Saigon .. ..	Battery on river front at end of Rue Catinat.
Soviet Union .. ..	—	Information will be provided before a ship visit to the USSR.
Thailand .. ..	Paknman (Bangkok) .. ..	Fort Chula Chomklao at the mouth of the Meanam Chao Phya (Chao Phya River).
Trucial Coast .. ..	Dubai .. ..	Two 75mm field guns. (Salutes not fired unless Ruler is boarding which is a very rare occurrence).
United States .. ..	Pearl Harbour, Hawaii .. ..	US Naval Base.
Pacific Coast .. ..	Adak, Alaska .. ..	US Naval Station.
	Kodiak, Alaska .. ..	US Naval Station.
	Long Beach, California .. ..	US Naval Station.
	Monteray, California .. ..	Fort Ord (Army).
	San Diego, California .. ..	US Naval Air Station, North Island.
	San Francisco, California .. ..	The Presidio (Army).
	Tacoma, Washington .. ..	Fort Lewis (Army).
Territories—		
Marianas Is .. ..	Guam .. ..	US Naval Station.
Possessions, etc—		
Panama Canal Zone	Rodman Naval Base .. ..	US Naval Station, when approaching from Atlantic side National salute and 13 gun personal salute to COMFIFTEEN should commence when buoy No 28 is abeam.
Yemen .. ..	Hodeida .. ..	Fort to the south of the town.



## RESTRICTED

**123/75—Guided Weapons—Seacat Missiles—Canted Motors**

1. All Seacat missiles in service in the RAN are now MOD 1 configuration and are fitted with canted boost nozzles.

2. Missiles fitted with canted boost nozzles will complete two to three revolutions during the boost phase before roll stabilising, the forced roll having been introduced in order to reduce random dispersion of the missile.

3. Since a missile will rotate in the initial flight stage (up to approximately instant of launch + 1.8 seconds), and 'transmit demands' is inhibited for only 1.2 seconds, it is possible for a missile to respond erratically while the missile is still rolling.

*Example:* If the missile attitude is 180° (ie, upside-down) a full up joystick demand will result in a full down reaction by the missile. The most significant errors will be at attitudes between 90° and 270° since these will give maximum missile deviation from the direction intended.

4. It is possible, particularly when the missile disperses low, for a missile to be lost if demands are transmitted before roll stabilisation is achieved.

5. Seacat aimers should be made aware that the missile will rotate during the initial flight stage and no flight demands should be attempted until roll stabilisation has been achieved.

6. Navy Order 88/72 is hereby cancelled.

(740/52/321)

(Navy Order 88/72)

## RESTRICTED

**124/75—Will Not Be Issued**

## UNCLASSIFIED

**125/75—Visits by Foreign Warships—Liaison by Royal Australian Navy**

1. The RAN is responsible for providing liaison with Commanding Officers of visiting foreign warships in matters involving State and Federal laws and regulations of many kinds.

2. In order that essential items of responsibility are not overlooked when ships of foreign navies are visiting Australian ports, Flag Officers, Naval Officers Commanding and Naval Officers in Charge are to ensure that Commanding Officers of visiting ships are aware of regulations as shown in this Navy Order and that they be requested to draw the attention of their ships companies to the Australian laws concerning:

- a. Customs;
- b. Immigration;
- c. Health;
- d. Landing and use of motor vehicles; and
- e. State law matters required by State Premiers Departments.

3. The following information is to be supplied to the Commanding Officers of visiting foreign warships and is to be included in Port Orders:

**Advice for Commanding Officers of Visiting Warships****a. Customs**

- (1) Naval vessels are exempted from the provisions of the Customs Act relating to entry and clearance at all Australian ports and are also exempted from payment of duty on ships stores consumed on board while in Australian waters.
- (2) However, Commanding Officers are advised that no goods may be landed either by the ship or by the ships personnel unless prior approval has been obtained from the Collector of Customs for the port where it is desired that goods be landed. Customs duty, where applicable, must be paid in respect of any goods landed.
- (3) Should there be any non-military personnel on board a visiting ship, it will be necessary for these personnel to complete a Declaration on Customs Form 5 (Customable Articles in the possession of Master, Officers and Crew) as to their personal possessions on board the ship.
- (4) A Customs Officer will call upon visiting ships shortly after arrival at each Australian port and will be pleased to advise and assist the ships company with any Customs requirements.

**b. Immigration**

- (1) Commanding Officers of the regular armed forces of a Government recognised by Australia are not required to provide, for immigration purposes upon arrival in Australia, lists of their crew members or to report absences of crew members without leave or desertions.
- (2) However, in respect of any non-service crew members who may be on board such a vessel, the co-operation of the Commanding Officers is requested in notifying the Department of Immigration or the Department of Customs and Excise (and the Flag Officer/Naval Officer Commanding/Naval Officer in Charge of the State or Territory) should such a crew member become absent without leave during the vessels stay in Australia or not be aboard on the vessels departure.
- (3) Crew members of vessels of the regular armed forces of a Government recognised by Australia may enter Australia legally, whilst on leave from their vessel during its stay in an Australian port, without the necessity of obtaining an entry permit. However, where such a crew member remains in Australia after his vessel has left the port at which he entered or last entered, he becomes a prohibited immigrant whose deportation may be ordered.

**c. Health**

Matters involving quarantine fall into the three divisions of General, Animal and Plant Quarantine.

**(1) General Quarantine**

The Commanding Officer is required to notify either the Director of Health in the State or Territory concerned or the Quarantine Officer at outports direct, or through the Flag Officer/Naval Officer Commanding/Naval Officer in Charge or local naval agent, not more than

24 hours and not less than 12 hours before the vessel arrives at its first port of entry into Australia, including particulars as follows:

- (1) the name of the ship;
- (2) date on which and the time at which the vessel is expected to arrive;
- (3) the number of members of crew (and passengers if any);
- (4) home port of departure and date of departure from that port; and
- (5) details of any infectious diseases on the ship.

(a) *Naval Vessels Not Carrying Medical Officers*

These vessels display the 'Q' Flag by day and a red light not more than 6 feet above a white light by night, and wait inspection by a Quarantine Officer outside the quarantine line. The Quarantine Officer shall board the vessel and obtain from the Commanding Officer a signed report in duplicate of Form Q17 detailing the ports of call during the last 21 days and the state of health on board. A full inspection of all persons on board the vessel or vessels is carried out and should this inspection reveal that there is no quarantineable disease, the Quarantine Officer will grant full pratique and issue the Certificate of Pratique with one copy of Form Q17 to the Commanding Officer.

(b) *Naval Vessels Carrying Medical Officers (other than vessels of the Royal Australian Navy, Royal Navy and Royal New Zealand Navy)*

The procedures in these cases are the same as (c) except that whether or not the vessel is granted radio pratique the vessel will wait outside the quarantine line at first port of entry until the vessel has been boarded by the Port Quarantine Officer who, if satisfied, regarding the state of health of the vessel(s), will confirm the radio pratique and issue a Certificate of Pratique endorsed to have effect in ALL Australian ports. The quarantine signal may then be removed and the vessel may then proceed to a berth.

(c) *Vessels of the Royal Australian Navy, Royal Navy and Royal New Zealand Navy Carrying Medical Officers—Radio Pratique*

Radio pratique may be granted to those vessels provided a satisfactory radio message is received not less than 12 hours or more than 24 hours estimated time of arrival at the first port of entry into Australia of the vessel. This message should state that all on board are currently vaccinated against smallpox, that no cases exist or have occurred during the voyage, that no cases of chickenpox exist or have occurred during the voyage, details of any other infectious disease present on board the vessel at the time the message is transmitted or which has occurred during the current voyage. Vessels granted radio pratique may proceed direct to a berth and without flying the quarantine signal. Form Q17 duly signed and completed is to be forwarded promptly

to the Commonwealth Director of Health or to the Quarantine Officer at outports and the Certificate of Pratique will be issued.

(d) *Shipborne Aircraft and Naval Aircraft*

All aircraft on board (if any) must have been disinfected since leaving the last overseas port (for this purpose insecticide aerosols containing DDT and pyrethrum should be available), be free from soil, other debris and not carrying quarantineable food items (emergency rations excepted). A request for radio pratique must be sought if it is intended to land aircraft ashore.

*Notes:* Quarantineable disease means smallpox, plague, cholera, yellow fever, typhus fever, leprosy or any disease as may be declared in Australia by proclamation.

(2) *Plant Quarantine*

All plants, living or dead, or parts of plants such as fruit, seeds, cuttings, bulbs, etc, also timber and all articles made of wood imported into Australia are subject to quarantine and are required to be submitted to the Quarantine Officer for inspection. Timber goods may be ordered for treatment if found infested. Bamboo articles are automatically treated by fumigation. Soil is a prohibited importation and any vehicle or equipment found contaminated with soil must be thoroughly cleaned before it can be released from quarantine.

(3) *Animal Quarantine*

Permission will not be granted for the importation into Australia on a Naval vessel of:

- (1) living animals, pets or other animals or birds. If a vessel carries an animal into a port the animal will not be allowed off the vessel during its stay in port—it should be noted that sheep, goats, cattle and all other ruminants are prohibited from entering in Australian ports;
- (2) fish, reptiles or living insects;
- (3) parts of animals such as skins, horns, hooves, wool, hair and feathers, etc; unless such articles have been processed and manufactured—this restriction applies to native carriers, such as drums and shields made of raw animal skins; and
- (4) meat (tinned or otherwise), eggs, milk and foodstuffs containing meat, eggs or milk.

d. *Landing and Use of Motor Vehicles*

All vehicles which are landed from visiting naval vessels in Australia are subject to:

- (1) inspection by Plant Quarantine Officer to ascertain whether any soil has accumulated on the vehicle, and cleansing is deemed necessary prior to use of vehicle in Australia;
- (2) the laws of the particular State or Territory in which the port is situated concerning:
  - (a) registration of the vehicle;

- (b) third party insurance cover on the vehicle; and  
 (c) licensing of drivers.

In most cases for military vehicles registration is not required, or if required, is free of charge, but third party insurance cover must be effected prior to landing vehicles. Drivers of motor vehicles landed from visiting naval vessels must hold current driving licences or valid international permits issued in their country of residence.

**e. Matters Required by State Departments**

State Premiers have requested that additional information peculiar to their own States be supplied to crews of visiting ships. These matters include fishing licences, pistol licences, tourist information, liquor laws, traffic rules and Marine Board information. Information which State authorities wish to be given to visiting ships should be compiled by Flag Officers/Naval Officers Commanding/Naval Officers in Charge or States or Territories concerned and either sent to Commanding Officers of visiting ships prior to their arrival or given to them on arrival.

(42/24/161)

**Section 4**

**EQUIPMENT, STORES AND SERVICING**

UNCLASSIFIED

**126/75—Classes 6840 and 3740—Pesticides, Weedicides and Associated Applicators**

1. General information regarding the use of approved pesticides, weedicides and applicators in the Defence Forces appears in MBR 10189 Pesticides Sub-committee Report to the Defence Medical Services Committee.

2. Navy Order 32/73 is hereby cancelled.

(901/52/76)

(Navy Order 32/73)

UNCLASSIFIED

**127/75—Wearing of Cotton Twill Working Dress Jacket by Officers at Sea on an Optional Basis**

1. It has been decided that the cotton twill working dress jacket, with metal collar badges of rank, may be worn on an optional basis by officers at sea.

2. ABR 81, RAN Uniform Instructions, Article 0201, will be amended.

(2/8405/16)

**Section 5**

**BOOKS, CORRESPONDENCE, FORMS AND STATIONERY**

UNCLASSIFIED

**128/75—Form TT123—Report of Trials of Machinery for Internal Combustion Propelled Surface Vessels**

1. Form TT123 (Report of Trials of Machinery for Internal Combustion Propelled Surface Vessels) which has recently been extensively revised has now been reprinted. The revised form has been designed for easy interpretation and evaluation of trials data and is to be completed as comprehensively as possible when submitted. It is applicable to all internal combustion diesel engine propelled surface warships and caters for all such machinery in use in the RAN.

2. The use of locally produced roneo pro-forma substitutes is no longer acceptable and is to be discontinued.

(7530/32/115)

12421

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BOOK EXPERIMENTAL RESEARCH AND STATISTICS

UNCLASSIFIED

12747—1-1-55—Report on Status of Research and Statistics

The purpose of this report is to provide a summary of the work done in the field of research and statistics during the period from 1-1-55 to 1-1-56. The report is divided into two parts, the first dealing with research and the second with statistics. The research part is divided into three sections, the first dealing with the work of the Research and Statistics Division, the second with the work of the Research and Statistics Section, and the third with the work of the Research and Statistics Unit. The statistics part is divided into two sections, the first dealing with the work of the Research and Statistics Division, and the second with the work of the Research and Statistics Section.

12747-1-1-55

Section 4

EQUIPMENT, STORES AND SUPPLIES

UNCLASSIFIED

12876—1-1-55—Equipment, Stores and Supplies—Research and Statistics Division

This report provides a summary of the work done in the field of equipment, stores and supplies during the period from 1-1-55 to 1-1-56. The report is divided into two parts, the first dealing with equipment and the second with stores and supplies. The equipment part is divided into three sections, the first dealing with the work of the Research and Statistics Division, the second with the work of the Research and Statistics Section, and the third with the work of the Research and Statistics Unit. The stores and supplies part is divided into two sections, the first dealing with the work of the Research and Statistics Division, and the second with the work of the Research and Statistics Section.

1. New York 12876 1-1-55

12876-1-1-55

12876-1-1-55

UNCLASSIFIED

12775—Meeting of Public Health Training Division Staff at Office of the Director of Health, Education and Welfare

The purpose of this report is to provide a summary of the work done in the field of public health training during the period from 1-1-55 to 1-1-56. The report is divided into two parts, the first dealing with the work of the Public Health Training Division and the second with the work of the Public Health Training Section. The Public Health Training Division part is divided into three sections, the first dealing with the work of the Public Health Training Division, the second with the work of the Public Health Training Section, and the third with the work of the Public Health Training Unit. The Public Health Training Section part is divided into two sections, the first dealing with the work of the Public Health Training Section, and the second with the work of the Public Health Training Unit.

1. New York 12775 1-1-55

12775-1-1-55

**RESTRICTED**

ANO 129/75



# AUSTRALIAN NAVY ORDER

Navy Office, Canberra,

11 April 1975

The enclosed order is promulgated for information, guidance and necessary action.

By direction of the Naval Board,

A handwritten signature in black ink, appearing to read 'J. Green', is written in a cursive style.

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

**RESTRICTED**

CONTENTS

1. The purpose of this Order is to provide a uniform system of classification for the equipment stores and servicing of the Royal Australian Navy. This Order is to be read in conjunction with the following Orders:

2. The classification of equipment stores and servicing is to be determined by the classification code assigned to the equipment stores and servicing.

3. This Order applies to all equipment stores and servicing of the Royal Australian Navy.

CONTENTS

No.	Title
	Section 4 - Equipment Stores and Servicing
129/75	Alterations and Additions/ Modifications (TM188)

Additional copies of Navy Orders may be readily obtained by:

- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 3461.

Section 4

Equipment, Stores and Servicing

RESTRICTED

129/75 - ALTERATIONS AND ADDITIONS/MODIFICATIONS  
(TM 188)

1. The following is a list of Alterations and Additions/ Modifications issued from Department of Defence (Navy Office) for the period 10 September 1974 to 9 January 1975.

2. Ships and establishments which have not yet received applicable instructions are to inform the Director of Fleet Maintenance (Modification Section).

3. Lists attached as Annexes are:

- Modifications . . . . . - Annexe A
- Alterations and Additions . . . . . - Annexe B
- Field Changes . . . . . - Annexe C
- Submarine Modifications . . . . . - Annexe D

4. Corrections are to be made to previous list issued by Navy Order 356/74:

- a. Delete Paragraph 4.
- b. M/SHAN/091 to read M/SHAH/091
- M/SHAH/030 to read M/SHAN/030
- M/SHAH/065 to read M/SHAN/065
- M/JMEA/00051 to read M/IMEA/00051.

MODIFICATIONS

ANNEXE A

SHIPS

MODIFICATION NO.	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLOW	TRVs	LCHs	TSG (NOWRA)		
	M/ASNV/00001				X						X	X																							
M/ANEG/00001				X						X	X																								
M/CCSM/00001																																			
M/CBAV/00001											X	X																							
M/CTPF/00001	X		X	X						X	X																								
M/EDBA/00001				X						X	X																								
M/GG00/00001			X	X																															
M/GA00/00001				X						X	X																								
M/JUA/020(Amend 2)	X	X	X	X	X	X	X	X	X	X	X				X	X										X	X	X	X						
M/JUA/028(Amend 1)	X	X	X	X	X	X	X	X	X						X	X	X									X	X	X	X						

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ANNEXE A

SHIPS

MODIFICATION NO.	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLOW	TRVs	LCHs	TSG (NOWRA)			
	M/JUA/028			X		X	X	X	X	X								X																		
M/KWR-37/008																																				
M/K4SA/00001																											X	X	X	X						
M/K7SB/00001																											X	X	X	X						
M/LFAA/00001	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							X	X	X	X	X	X	X	X				
M/QY00/A003(Amend 2)				X									X	X	X																					
M/RAHA/00054			X		X	X	X	X	X	X	X	X			X	X																				
M/RAHA/00077			X		X	X	X	X	X	X	X				X	X																				
M/RAHA/00079			X		X	X	X	X	X	X	X				X	X																				
M/RAHA/0082			X		X	X	X	X	X	X	X				X	X																				

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MODIFICATIONS

ANNEXE A

SHIPS

MODIFICATION NO.	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLOW	TRVs	LCHs	TSG (NOWRA)			
M/RAHA/00083				X	X	X	X	X	X	X	X				X	X																				
M/RAHA/00100				X	X	X	X	X	X	X	X				X	X																				
M/RDMR/00038				X	X	X	X	X	X								X																			
M/RDMR/00041				X	X	X	X	X	X								X																			
M/RDMR/00044				X	X	X	X	X	X							X																				
M/RDMR/00048				X	X	X	X	X	X							X																				
M/RAJA/00001	X	X	X	X											X	X																				
M/RAJA/00002	X	X	X	X											X	X																				
M/RAJA/00003	X	X	X	X											X	X																				
M/RDFH/00007				X						X	X				X	X																				

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MODIFICATIONS

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SHIPS

MODIFICATION NO.	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLOW	TRVs	LCHs	TSG (NOWRA)			
M/RDFH/00009				X						X	X				X	X																				
M/RULF/00004				X	X	X	X	X	X																X											
M/RBGD/00001				X	X	X	X	X	X																											
M/RCLS/00022				X	X	X	X	X	X	X	X																									
M/SRSE/00037				X																		X	X													
M/SHAX/00034				X																		X	X													
M/SJCA/00002	X	X	X	X	X	X	X	X	X	X	X				X	X																				
M/VASL/00001				X																						X	X	X	X							
M/VPCE/00002																																				
M/XCDG/00001				X			X	X	X	X	X																									

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MODIFICATIONS

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SHIPS

MODIFICATION NO.	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	TRV's	LCHs	TSG (NOWRA)				
M/XFAG-XFAC/00094			X					X	X	X	X																										
M/YA00/00004			X					X	X																												
M/YA00/00005			X					X	X																												
M/YA00/00011			X	X																																	
M/YFAG/00001	X																																				
M/YBCF/00003			X		X	X	X	X	X	X	X																										
M/YBCF/00007			X		X	X		X																													
M/YBCF/00008		X	X																																		
M/YBCF/00009			X												X																						
M/YB00/00005(Amend 1)	X	X																																			

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SHIPS

MODIFICATION NO.	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	TRV's	LCHs	TSG (NOWRA)						
M/YBTA/00001				X						X	X																												
M/YCFA/00001				X						X	X				X	X										X													
M/IMBA/00003				X																			X																
M/IMBA/00010		X																	X						X														
M/IMBA/00013		X	X																X																				
M/ILJD/00024			X	X	X	X	X	X	X								X																						
M/ILJD/00024(Amend 2)			X	X	X	X	X	X	X							X	X	X																					
M/ILYA/00110			X		X	X	X	X	X	X	X				X	X																							
M/IARA/00033																																							
M/ILDA/00001			X				X	X	X	X	X				X	X																							

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SHIPS

MODIFICATION NO.	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORSEBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIBE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLOW	TRVs	LCHs	TSG (NOWRA)				
M/IRAD/00001																																					
M/3ADX/00001																																					
M/9CHN/00001	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x										x											
M/903/032(Amend 2)				x		x	x	x	x	x	x																										

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MODIFICATIONS

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ESTABLISHMENTS, ETC.

MODIFICATION NO.	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCALF	FOCLEA	GMGID	GMWD	RINTAU	GOSIEAA	CSS	DLs	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDF					
M/ASNV/00001																					x		x	x	x	x	x			x		x													
M/ANEG/00001																					x		x	x	x	x	x			x		x													
M/CCSM/00001															x							x		x	x	x	x																		
M/CBAV/00001			x																			x		x	x	x	x			x															
M/CTPF/00001																						x		x	x	x	x					x													
M/EDBA/00001																						x		x	x	x	x										x								
M/GG00/00001																						x		x	x	x	x										x								
M/GA00/00001																						x		x	x	x	x																		
M/JUA/020(Amend 2)			x																			x	x	x	x	x	x	x										x							
M/JUA/028(Amend 1)			x																			x	x	x	x	x	x	x										x							

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ESTABLISHMENTS, ETC.

MODIFICATION NO.	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDG	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and F)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR	MSO MELBOURNE	MSO GID	DVGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSIYC	OIC FMP (KUTTABUL)	COMPNGPATRON	DFM (w)		
M/ASNV/00001						X	X							X					X																		
M/ANEG/00001						X	X							X					X																		
M/CCSM/00001						X	X							X																							
M/CBAV/00001						X	X							X																							
M/CTPF/00001						X	X							X					X	X																	
M/EDBA/00001						X	X							X					X																	X	
M/GG00/00001				X	X	X	X																														
M/GA00/00001						X	X							X																							
M/JUA/020(Amend 2)			X			X	X			X																										X	
M/JUA/028(Amend 1)			X			X	X			X																										X	

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ESTABLISHMENTS, ETC.

MODIFICATION NO.	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIKIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMISO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP			
M/JUA/028			X															X																									
M/KWR-37/008																					X	X	X	X	X	X	X	X															
M/K4SA/00001																						X																					
M/K7SB/00001																						X																					
M/LFAA/00001		X				X	X	X				X							X	X		X	X	X	X	X	X	X															
M/QY00/A003(Amend 2)																					X	X	X	X	X	X	X	X											X	X			
M/RAHA/00054			X																		X	X	X	X	X	X	X	X							X			X	X				
M/RAHA/00077			X																		X	X	X	X	X	X	X	X										X	X				
M/RAHA/00079			X																		X	X	X	X	X	X	X	X										X	X				
M/RAHA/00082			X																		X	X	X	X	X	X	X	X										X	X				

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ESTABLISHMENTS, ETC.

MODIFICATION NO.	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DES	DOD	DMED	DUR	MSO MELBOURNE	MSO GID	DVGS	NOC OLD	COMAUSLANCRONT	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSVIC	OIC FMP (KUTTABUL)	COMPNGPATRON	DFM (M)		
M/JUA/028				X																																	
M/KWR-37/008						X	X						X					X																			
M/K4SA/00001						X	X	X																													
M/K7SB/00001						X	X	X																													
M/LFAA/00001			X				X	X			X		X				X																				
M/QY00/A003(Amend 2)	X			X	X	X	X	X	X	X																										X	
M/RAHA/00054							X	X	X						X																					X	
M/RAHA/00077							X	X	X						X																					X	
M/RAHA/00079	X						X	X	X						X																					X	
M/RAHA/00082	X						X	X	X						X																					X	

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ESTABLISHMENTS, ETC.

MODIFICATION NO.	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEUWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP
M/RAHA/00083				X																	X		X	X	X	X			X							X	X			
M/RAHA/00100				X																	X		X	X	X	X			X					X		X	X			
M/RDMR/00038				X																	X		X	X	X	X	X							X		X	X			
M/RDMR/00041				X																	X		X	X	X	X										X	X			
M/RDMR/00044				X																	X		X	X	X	X										X	X			
M/RDMR/00048				X																	X		X	X	X	X										X	X			
M/RAJA/00001																					X		X	X	X	X			X							X	X			
M/RAJA/00002																					X	X	X	X	X	X	X								X		X	X		
M/RAJA/00003				X																	X	X	X	X	X	X										X	X			
M/RDFH/00007				X																	X	X	X	X	X	X										X	X			

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ESTABLISHMENTS, ETC.

MODIFICATION NO.	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR	MSO MELBOURNE	MSO GID	DIGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSIVIC	OIC FMP (KUTTABUL)	COMPNGPATRON	PFP (W)	
M/RAHA/00083		X					X	X							X																					X
M/RAHA/00100		X					X	X							X																					X
M/RDMR/00038							X	X																												X
M/RDMR/00041							X	X							X																					X
M/RDMR/00044							X	X																												X
M/RDMR/00048							X	X																												X
M/RAJA/00001							X	X							X			X																		X
M/RAJA/00002							X	X																												X
M/RAJA/00003							X	X	X						X																					X
M/RDFH/00007							X	X							X																					X

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ESTABLISHMENTS, ETC.

MODIFICATION NO.	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIKIMBA	LEEUWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP		
M/RDFH/00009				X																	X		X	X	X	X											X	X				
M/RULF/00004				X															X				X	X	X	X			X									X	X			
M/RBGD/00001				X																			X	X	X	X	X							X					X	X		
M/RCLS/00022				X																	X		X	X	X	X																
M/SRSE/00037																					X		X	X	X	X									X							
M/SHAX/00034																					X		X	X	X	X										X						
M/SJCA/00002				X																	X	X	X	X	X	X										X						
M/VASL/00001																		X			X		X	X	X	X										X						
M/VPCE/00002				X	X	X										X					X	X	X	X	X	X																
M/XCDG/00001																					X		X	X	X	X	X	X														

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ESTABLISHMENTS, ETC.

MODIFICATION NO.	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR	MSO MELBOURNE	MSO GID	DIGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSIVIC	OIC FMP (KUTTABUL)	COMPNGPATRON	DFM (M)		
M/RDFH/00009							X	X							X																						
M/RULF/00004							X	X																												X	
M/RBGD/00001							X	X																												X	
M/RCLS/00022							X	X							X																					X	
M/SRCE/00037					X	X	X	X																													
M/SHAX/00034					X	X	X	X																													
M/SJCA/00002					X	X	X	X																													
M/VASL/00001							X	X		X			X																								
M/VPCE/00002			X				X	X					X																								
M/XCDG/00001							X	X																												X	

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ESTABLISHMENTS, ETC.

MODIFICATION NO.	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP		
M/XFAG-XFAC/00094																					X		X	X	X	X	X	X								X						
M/YA00/00004																					X		X	X	X	X	X															
M/YA00/00005																					X		X	X	X	X	X															
M/YA00/00011																					X	X	X	X	X	X	X									X						
M/YAFG/00001																					X		X	X	X	X	X															
M/YBCF/00003																					X		X	X	X	X	X	X								X						
M/YBCF/00007																					X		X	X	X	X	X	X								X						
M/YBCF/00008																					X		X	X	X	X	X	X								X						
M/YBCF/00009																					X		X	X	X	X	X	X														
M/YB00/00005 (Amend 1)																					X		X	X	X	X	X	X														

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ESTABLISHMENTS, ETC.

MODIFICATION NO.	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR	MSO MELBURN	MSO GID	DVGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSIVIC	OIC FMP (KUTTABUL)	COMPNGPATRON	DFM (W)			
M/XFAG-XFAC/00094							X	X																													X	
M/YA00/00004							X	X						X			X																					
M/YA00/00005							X	X						X			X																					
M/YA00/00011							X	X						X			X	X																				
M/YAFG/00001							X	X						X																								
M/YBCF/00003							X	X																													X	
M/YBCF/00007							X	X						X			X																					
M/YBCF/00008					X	X	X	X																														
M/YBCF/00009							X	X						X																								
M/YB00/00005(Amend 1)					X	X	X	X																														

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ESTABLISHMENTS, ETC.

MODIFICATION NO.	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMOS (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP			
M/YBTA/00001																					X		X	X	X	X	X	X									X						
M/YCFA/00001																					X		X	X	X	X	X	X									X						
M/IMBA/00003																			X		X		X	X	X	X	X	X									X						
M/IMBA/00010																			X		X	X	X	X	X	X	X	X									X						
M/IMBA/00013																					X		X	X	X	X	X	X									X						
M/ILUD/00024			X																X																								
M/ILUD/00024(Amend 2)			X																X																								
M/ILYA/00110			X																		X	X	X	X	X	X	X	X									X						
M/IARA/00033																X					X	X	X	X	X	X	X	X															
M/ILDA/00001		X	X																		X	X	X	X	X	X	X	X									X						

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ESTABLISHMENTS, ETC.

MODIFICATION NO.	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR	MSO MELBOURNE	MSO GID	DVGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSIYC	OIC FMP (KUTTABUL)	COMPNGPATRON	DPF7 (w)		
M/YBFA/00001							X	X						X																							
M/YCFA/00001							X	X																												X	
M/IMBA/00003							X	X																											X		
M/IMBA/00010							X	X																											X		
M/IMBA/00013							X	X																											X		
M/ILUD/00024				X																																	
M/ILUD/00024(Amend 2)				X			X	X		X																									X		
M/ILYA/00110				X			X	X																											X		
M/IARA/00033							X	X																											X		
M/ILDA/00001				X			X	X																											X		

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ESTABLISHMENTS, ETC.

MODIFICATION NO.	9 Sir Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEUVIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP		
M/IRAD/00001															X							X	X	X	X	X	X	X	X	X												
M/3ADX/00001																						X	X	X	X	X	X	X	X	X												
M/9CHN/00001				X							X							X	X			X	X	X	X	X	X	X	X													
M/903/032(Amend 2)				X																		X	X	X	X	X	X	X	X						X							

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SHIPS

ALTERATION AND ADDITION NO.	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORLESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	TRV's	LCHs	TSG (NOWRA)			
	A/CXCL/00609				X											X	X																			
A/8FDV/00629				X	X	X	X	X	X	X	X																									
A/HLPK/00043				X						X	X																									
A/HNDC/00937				X																																
A/MGAB/00720	X			X																																
A/AS00/00870				X						X	X																									
A/SASW/00375				X	X	X	X	X	X	X	X	X	X	X																						
A/ENMG/00882			X	X																																
A/IHBC/00916	X			X																																
A/GJFA/00555	X			X																																

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SHIPS

ALTERATION AND ADDITION NO.	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORLESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	TRV's	LCHs	TSG (NOWRA)			
	A/GPAL/00526			X	X																															
A/YEDN/00664				X											X	X																				
A/HEGK/00472				X											X	X																				
A/YAFG/00716				X						X	X																									
A/GJFB/00561				X											X	X																				
A/CEFP/00815				X											X	X																				
A/HNUC/00944				X																													X			

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ESTABLISHMENTS, ETC.

ALTERATION AND ADDITION NO.	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	OSGS	OSLS	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP			
A/0847/73							X														X	X	X	X	X	X	X																
A/0817/73																					X	X	X	X	X	X	X																
A/0401/72																					X	X	X	X	X	X	X																
A/0755/73																					X	X	X	X	X	X	X																
A/0700/73													X								X	X	X	X	X	X	X																
A/0603/73																					X	X	X	X	X	X	X																
A/0798/73																					X	X	X	X	X	X	X																
A/0542/72																					X	X	X	X	X	X	X																
A/0005/70																					X	X	X	X	X	X	X																

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ESTABLISHMENTS, ETC.

ALTERATION AND ADDITION NO.	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	OSGS	OSLS	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP			
A/CXCL/00609																					X		X	X	X	X	X																
A/8FDV/00629																					X	X	X	X	X	X	X	X															
A/HLPK/00043																					X	X	X	X	X	X	X																
A/HMDC/00937							X														X	X	X	X	X	X	X																
A/MGAB/00720																					X	X	X	X	X	X	X																
A/AS00/00870																					X	X	X	X	X	X	X																
A/SASW/00375																					X	X	X	X	X	X	X	X															
A/ENMG/00882																					X	X	X	X	X	X	X																
A/IHBC/00916																					X	X	X	X	X	X	X																
A/GJFA/00555																					X	X	X	X	X	X	X																

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ESTABLISHMENTS, ETC.

ALTERATION AND ADDITION NO.	9 Sg Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORFON	BASILISK	LONSDALE	NIRIMBA	LEEUWIN	ENCOUNTER	HUON	GRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDF						
A/GPAL/00526																						X	X	X	X	X	X							X												
A/YEDN/00664																						X	X	X	X	X	X																			
A/HEGK/00472																						X	X	X	X	X	X																			
A/YAFG/00716																						X	X	X	X	X	X	X																		
A/GJFB/00561																						X	X	X	X	X	X	X						X												
A/CEFP/00815																						X	X	X	X	X	X			X		X														
A/HNUC/00944																						X	X	X	X	X	X																			

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ESTABLISHMENTS, ETC.

ALTERATION AND ADDITION NO.	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR	MSO MELBOURNE	MSO GID	DVGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSVIC	OIC FMP (KUTTABUL)	COMPNGPATRON														
A/0847/73					X	X	X	X																	X																							
A/0817/73					X	X	X	X																							X																	
A/0401/72					X	X	X	X																																								
A/0755/73					X	X	X	X																																								
A/0700/73					X	X	X	X																																								
A/0603/73					X	X	X	X																																								
A/0798/73					X	X	X	X																																								
A/0542/72					X	X	X	X																																								
A/0005/70(Amend 2)					X	X	X	X																																								

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ESTABLISHMENTS, ETC.

ALTERATION AND ADDITION NO.	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR	MSO MELBOURNE	MSO GID	DVGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSIVIC	OIC FMP (KUTTABUL)	COMPNGPATRON	
	A/XCCL/00609					X	X	X	X						X																				
A/8FDV/00629					X	X	X	X					X	X				X	X																
A/HLPK/00043					X	X	X	X						X				X																	
A/HNDC/00937					X	X	X	X																											
A/MGAB/00720					X	X	X	X																											
A/ASOO/00870					X	X	X	X						X						X															
A/SASW/00375					X	X	X	X						X				X																	
A/ENMG/00882					X	X	X	X						X				X																	
A/IHBC/00916					X	X	X	X						X				X																	
A/GJFA/00555					X	X	X	X						X				X																	

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ESTABLISHMENTS, ETC.

ALTERATION AND ADDITION NO.	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR	MSO MELBOURNE	MSO GID	DVGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSIVIC	OIC FMP (KUTTABUL)	COMPNGPATRON		
	A/GPAL/00526					X	X	X	X						X				X																	
A/YEDN/00664							X	X																												
A/HEGK/00472					X	X	X	X																												
A/YAFG/00716					X	X	X	X						X			X	X																		
A/GJFB/00561					X	X	X	X						X																						
A/CEFP/00815					X	X	X	X						X																						
A/HNUC/00944					X	X	X	X																												

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SHIPS

FIELDCHANGES R.A.N. NO.	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLOW	TRVs	LCHs	TSG (NOWRA)		
F/VGSB/00001				X								X																							
F/IMAF/00013				X								X	X	X																					
F/IMAF/00022				X								X	X	X																					
F/IMAF/00023				X								X	X	X																					

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ESTABLISHMENTS, ETC.

FIELDCHANGE R.A.N. NO.	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORFON	BASILISK	LONSDALE	NIRIMBA	LEEUWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA(M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP							
F/VGSB/00001																					X																										
F/IMAF/00013																					X																										
F/IMAF/00022																					X																										
F/IMAF/00023																					X																										

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ESTABLISHMENTS, ETC.

FIELDCHANGES R.A.N. NO.	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAH (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DESD	DOD	DMCD	DUR	MSO MELBOURNE	MSO GID	DYGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSVIC	OIC FMP (KUTTABUL)	COMPNGPATRON	DFM (W)		
F/VGSB/00001							X	X						X																							
F/IMAF/00013							X	X																											X		
F/IMAF/00022							X	X																											X		
F/IMAF/00023							X	X																											X		

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SUBMARINE MODIFICATIONS

SHIPS

SUBMARINE MODS NUMBER	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	O XLEY	OTWAY	OVENS	ONSLow	TRVs	LCHs	TSG (NOWRA)	
RANSM 39																											X	X	X	X				
RANSM 93																											X	X	X	X				
RANSM 281																											X	X	X	X				
RANSM 332																												X	X	X	X			
RANSM 403																											X	X	X	X				
RANSM 434																											X	X	X	X				
RANSM 436																											X	X	X	X				
RANSM 438																											X	X	X	X				

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HISTORIAN

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ANOs 130/75-132/75



# AUSTRALIAN NAVY ORDERS

CONTENTS

SECTION I - ADMINISTRATIVE AND GENERAL

Navy Office, Canberra,  
5 May 1975.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

**RESTRICTED**

NAVY ORDERS  
 DEFENCE REORGANISATION

Additional copies of Navy Orders may be readily obtained by:

- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 4718.

ADMINISTRATIVE AND GENERAL

CONTENTS

SECTION 1—ADMINISTRATIVE AND GENERAL

<i>No</i>	<i>Title</i>
130/75	Department of Defence Reorganisation—Glossary of Terms.
131/75	Organisation of the Naval Staff—Interim Stage.
132/75	Navy Office Titles and Abbreviations Defence Reorganisation—Interim Stage.
	With the abolition of the Defence Force and the Special Depot, this will describe the new service structure of Defence (including the various support commands) by its responsibility to the Chief of Staff.
	Also this has for further details been included the revised abbreviations in appropriate alphabetical order.
	The abbreviations used are: Navy (RAN) Army (ARMP) Air Force (RAF)
	The information within (GEO) (Control) which is directly controlled by or responsible to the GCS.
	Division of the immediate staff of the senior officer concerned.
	A Revised Office

## Section 1

## ADMINISTRATIVE AND GENERAL

## UNCLASSIFIED

## 130/75—Department of Defence Reorganisation—Glossary of Terms

1. A tentative glossary of terms covering the major areas of the new Defence organisation is set out in Annexe A.

2. This glossary has been drawn up to cover both the interim and final arrangements. For the latter stage it should only be necessary to substitute the title of Chief of Defence Force Staff (CDFS) for that of Chairman, Chiefs of Staff Committee (CCS).

## ANNEXE A

## Glossary

Defence .. .. .	..	The total Defence organisation both military and civil including the three Services.
Department of Defence (Navy Office/ Army Office/Air Office)	..	An interim description to cover the organisation which formerly was the associated Service Department, presently controlled by the Service Board which includes the Special Deputy.
Department of Defence (Central)	..	The organisation both Service and civil directly controlled by or responsible to the Secretary and/or the CCS. It does not include those organisations controlled by or responsible to a Chief of Staff. <i>Note:</i> This can be further broken down to indicate an appropriate area grouping, eg, DOD (Central Canberra).
Department of Defence (Navy/Army/ Air)	..	With the abolition of the Service Boards and the Special Deputy, this will describe the single Service element of Defence (including its civilian support) controlled by or responsible to the Chief of Staff. <i>Note:</i> This can be further broken down to indicate the central headquarters or appropriate geographic area.
Defence Force .. .. .	..	The three Arms, namely: Navy (RAN) Army (Australian Army) Air Force (RAAF).
Defence Force Staff .. .. .	..	The organisation within DOD (Central) which is directly controlled by or responsible to the CCS.
Office of the Secretary (CCS/CNS/ CGS/CAS)	..	Description of the immediate staff of the senior officer concerned.
Department of Defence (geographic description)	..	A Regional Office.

(2/4/364)

## RESTRICTED

## 131/75—Organisation of the Naval Staff—Interim Stage

1. The responsibilities of the Deputy Chief of Naval Staff, the Directors General and the Directors of the Naval Staff have been reviewed in relation to their single and joint Service functions and particularly in view of departmental reorganisation. Revised directives for the interim stage effective from 28 January 1975, are set out in Annexe A, and the responsibilities of the new post of Chief of Naval Materiel and other new positions at Annexe B. It is anticipated that some further changes in the Naval Staff will be required in the final stage of Defence reorganisation after the Naval Board is abolished and in the light of experience with the interim organisation.

2. The organisation of the Naval Staff is shown diagrammatically at Annexe C.

3. The Naval Staff forms one uncompartmented team, all members of which are available for advice to, and discussion with each other. Directors are also empowered to provide specialist advice to other branches in Navy Office and within the integrated Department of Defence. In the interests of simplicity these lines of communication are not detailed in the Annexes.

4. The Directors General of Naval Design and Naval Production and the Naval Scientific Adviser are not members of the Naval Staff but as they have responsibilities to the Chief of Naval Materiel and the Deputy Chief of Naval Staff, their revised directives are included in this order.

5. Within the functions listed in the detailed directives, Naval Staff directors are tasked to:

- translate policies originated in Central Defence to single Service application;
- originate single Service policies;
- implement policy directions;
- develop policy proposals for consideration by Central Defence;
- staff submissions from single Service field authorities;
- provide briefing and support for single Service members and Committees; and
- respond to requests for information and directives from Central Defence.

6. The Directives listed in the Annexes are as follows:

Annexe A		Page
Deputy Chief of Naval Staff (DCNS)	.. .. .	7
Director General of Operations and Plans (DGNOP)	.. .. .	8
Director of Naval Plans (DNP)	.. .. .	
Force Structure Studies Officer, Navy (FSSO—N)	.. .. .	9
Director of Naval Operations (DNO)	.. .. .	10
Director of Trade and Exercise Co-ordination, Navy (DTXC—N)	.. .. .	
Director of Naval Intelligence (DNI)	.. .. .	11
Director of Joint Warfare Policy, Navy (DJWP—N)	.. .. .	
Hydrographer (HYDRO)	.. .. .	12
Director of Naval Meteorological and Oceanographic Services (DONMOS)	.. .. .	14
Director of Naval Logistic Planning and Co-ordination (DNLPC)	.. .. .	16
Director of Defence Co-operation Programs, Navy (DDCP—N)	.. .. .	
Director General of Naval Operational Requirements (DGNOR)	.. .. .	17
Director of Naval Aviation Policy (DNAP)	.. .. .	18

## Annexe A—continued

	Page
Director of Submarine Policy (DSMP)	19
Director of Naval Communications (DNC)	20
Director of Electronic Warfare, Navy (DEW—N)	22
Director of Surface and Air Weapons, Navy (DSAW—N)	23
Director of Underwater Weapons (DUW)	24
Director of Tactics, Ship Command and Control and Navigation (DTSN)	25
Director of Naval User Requirements (DNUR)	26
Director of Organisation and Staff Duties, Navy (DOSD—N)	28
Co-ordinator of Naval Safety (CONS)	29
Naval Scientific Adviser (NSA).	

## Annexe B

Chief of Naval Materiel (CNM)	30
Director of Naval Project Co-ordination (DNPC)	31
Director General of Naval Design (DGND)	32
Director General of Naval Production (DGNP)	33

7. Confidential Navy Orders 7/72, 22/72 and 5/74 are hereby cancelled.

## ANNEXE A

Deputy Chief of Naval Staff  
(Short Title: DCNS)

## UNCLASSIFIED

1. The Deputy Chief of Naval Staff is responsible to the Chief of Naval Staff for the following:

- The proper and efficient conduct of the work of Directors General and Directors under his control.
- The higher level co-ordination of branches and activities in Navy Office, and with and between RAN Commands, under the general direction of CNS.
- The endorsement of Naval Staff proposals for staff targets, staff requirements and operational requirements, and sponsoring of major naval items through central Defence committees. While the Chief of Naval Materiel will assume responsibility for projects when in the program, DCNS will remain responsible for their single service priority.
- Liaison with other Services and Departments at Deputy Chief of Staff level on matters of common interest.

2. DCNS is to act for the Chief of Naval Staff in all matters in the absence of CNS and undertake such other duties as directed by CNS.

3. DCNS is a member of the Naval Board and the following committees:

- Plans and Operations Executive (to replace JPC in due course)
- Defence Force Structure Committee
- Defence Operational Requirements Committee
- Program and Estimates Committee
- Defence Science and Technology Committee
- PHASD's Re-organisation Committee
- Naval Scientific Policy Committee (Chairman)
- AUS-CAN-UK-US Naval Communications Organisation (Supervisory Board).

## ANNEXE A—continued

**Director General of Naval Operations and Plans****(Short Title: DGNOP)**

## UNCLASSIFIED

1. The Director General of Naval Operations and Plans is responsible to the Deputy Chief of Naval Staff for the following:

- a. Joint Service planning matters and single Service aspects of Defence Planning.
- b. Naval aspects of strategic planning, operations and exercises.
- c. The development of naval plans concerning the role, composition, capabilities and employment of the RAN in accordance with approved Defence policy, and the interpretation and application of such policy.
- d. The naval operational and policy aspects of:
  - (1) regional defence arrangements;
  - (2) Law of the Sea, consulting DNLS as necessary;
  - (3) Search and Rescue and Disaster Organisation activities.
- e. Liaison and co-operation with other departments, Services and agencies on the above matters.
- f. The overall supervision and co-ordination of the duties of:
  - Director of Naval Plans
  - Director of Naval Logistic Planning and Co-ordination
  - Director of Naval Intelligence
  - Director of Naval Operations
  - Director of Naval Meteorology and Oceanographic Services
  - Director of Joint Warfare Policy, Navy
  - Force Structure Studies Officer, Navy
  - The Hydrographer (as Director of Hydrographic Division)
  - Director of Defence Co-operation Program, Navy.
- g. The supervision and co-ordination of the operational aspects of the duties of the following, as set out in their individual directives:
  - Director of Naval Communications
  - Director of Submarine Policy
  - Director of Naval Aviation Policy
  - Director of Electronic Warfare, Navy
  - Director of Trade and Exercise Co-ordination, Navy (for NCS Policy).

2. DGNOP is to act as DCNS's deputy by representing him as directed, and in the latter's absence.

3. DGNOP is a member of:

- Naval Long Range Planning Committee (Chairman)
- Joint Planning Committee (to be abolished in due course)
- Inter-Departmental Committee on Coastal Surveillance.

**Director of Naval Plans****(Short Title: DNP)**

## UNCLASSIFIED

1. The Director of Naval Plans is responsible to the Director General of Naval Operations and Plans for the following:

- a. Co-ordinating the development of long term naval plans and future policy.

## ANNEXE A—continued

- b. The development of naval contingency plans and co-ordination of the naval aspects of joint plans.
  - c. Co-ordination of the naval input of capital items to the FYRP and financial programs in conjunction with AS Resources Planning, Navy.
  - d. Planning the future naval order of battle.
  - e. Establishing the policy for ships in reserve.
  - f. Establishing the functions for proposed new ships and craft other than support ships and craft, and for proposed new aircraft and their modernisation.
  - g. Advice on the naval operational policy and planning aspects of:
    - (1) defences of bases and ports;
    - (2) mining;
    - (3) maritime surveillance;
    - (4) research and development in conjunction with NSA.
  - h. Reviewing and updating the Naval War Book and the Mobilisation Policy.
2. DNP will deputise for DGNOP in the latter's absence.
3. DNP is a member of:
- Naval Staff Requirements Committee
  - Naval Materiel Committee
  - Naval Scientific Policy Committee
  - Naval Long Range Planning Committee
  - RAN Oceanographic Committee
  - Key Points Working Party
  - Mobilisation Committee.

**Force Structure Studies Officer, Navy****(Short Title: FSSO—N)**

## UNCLASSIFIED

1. The Force Structure Studies Officer, Navy, is responsible to the Deputy Chief of the Naval Staff through the Director General Naval Operations and Plans for the following:

- a. Co-ordinating Naval Staff inputs to major studies initiated by Defence Central and co-ordinating staff comment on other papers for consideration by the Force Structure Committee.
- b. The effectiveness of the management of major studies.
- c. Reporting the progress of major studies and keeping directors concerned informed of the details.
- d. Maintaining liaison with Central Studies Establishment, other laboratories and Services participating in major studies.

2. FSSO—N is a member of:

- Seaborne Aircraft Platform Project Team (Chairman)
- Management Groups for Major Studies.

## ANNEXE A—continued

## Director of Naval Operations

(Short Title: DNO)

## UNCLASSIFIED

1. The Director of Naval Operations is responsible to the Director General of Naval Operations and Plans for the following:

*Operational Matters*

- a. Navy Office aspects of the operation of HMA ships and aircraft including:
- (1) Fleet programs, amendments and exercises;
  - (2) diplomatic clearances for HMA ship visits to overseas ports and for foreign navy visits to Australian ports, including shipborne naval aircraft;
  - (3) naval operations involving activation of the Naval War Room;
  - (4) requests for visits, services or displays by warships or naval aircraft;
  - (5) ocean, offshore and coastal surveillance and sovereignty visits; and
  - (6) records of warships movements and production of SITREPS.

*General*

- b. Editing RANOPS, AUSTSUB and Australia Station Guide Book.
- c. Upkeep of the Navy Office chart outfit and associated publications.
- d. Delineation of naval waters and firing areas, action on out of area firings, and co-ordination of RAN exercise areas and exercise airspace requirements.
- e. Operational aspects of Air Traffic Control, airfield control and gliding.
- f. Promulgation of navigational warning and firing warnings.
- g. Navy Office action on Search and Rescue, emergency dumping at sea, Submiss/Subsunk.
2. DNO is a member of:
- Air Co-ordinating Committee
  - Airspace and Facilities Working Group
  - Interdepartmental Committee on Marine Search and Rescue
  - Interdepartmental Working Group on Coastal Surveillance
  - Coastal Surveillance Co-ordination Committee
  - Working Group on Force Planning EDP Systems
  - Joint Movement Working Party (*Note liaison only*).

## Director of Trade and Exercise Co-ordination, Navy

(Short Title: DTXC—N)

## UNCLASSIFIED

1. The Director of Trade and Exercise Co-ordination, Navy, is responsible:
- a. To the Chief of Naval Staff through the Director General Naval Operations and Plans for all matters relating to the Naval Control and Protection of Shipping (NCAPS), and maritime trade including:
- (1) the review and currency of Naval War Plans relating to NCAPS;
  - (2) liaison with other Departments on NCAPS and related matters, in conjunction with other Directors concerned; and
  - (3) the custody of international agreements relating to NCAPS.

## ANNEXE A—continued

- b. To the Director General Naval Operations and Plans for the Navy Office aspects of SEATO planning, and is the custodian of the Navy Office SEATO sub-registry.
- c. To Director Naval Operations for:
- (1) the policy aspects of Maritime Headquarters;
  - (2) the preparation and functioning of the Naval War Room; and
  - (3) the co-ordination of Navy Office aspects of naval Joint and Combined Exercises. (This will include ensuring the adequate circulation of Orders, Reports, Programs and the co-ordination of follow-up action within Navy Office, and the custody of the Navy Office Exercise Orders and Records Repository.)

## Director of Naval Intelligence

(Short Title: DNI)

## RESTRICTED

1. The Director of Naval Intelligence is responsible to the Director General of Naval Operations and Plans for the following:

- a. The efficient functioning of the Naval Intelligence Division.
- \*b. All matters relating to naval intelligence and security.
- c. The maintenance of close liaison with other Australian intelligence and security organisations and with the intelligence organisation of the British Commonwealth and the United States navies.
- d. RAN representation on single, Joint Service and Departmental Committees and working parties concerning matters of intelligence and security.
- e. Being the contact for foreign Services Attaches accredited to the RAN and the only person authorised to disclose and release military information to them.

2. In certain policy matters and functional requirements DNI receives directives from and provides advice direct to the Chief of the Naval Staff and Deputy Chief of the Naval Staff.

3. Further details of DNI's responsibilities are included in ACB 0280.

\* For details of the security functions of the Director of Naval Intelligence, the Deputy Director of Defence Security, Navy and staff see Confidential Navy Order 11/74.

## Director of Joint Warfare Policy, Navy

(Short Title: DJWP—N)

## RESTRICTED

1. The Director of Joint Warfare Policy Navy is the focal point in Navy Office for all naval aspects of Joint Warfare, both within Navy Office and also between Navy and those Directorates in Defence Central, Army and Air who deal with Joint Warfare matters. As such, DJWP—N is responsible:

- a. To the Director General Naval Operations and Plans for:
- (1) advice on naval aspects of joint warfare policy and naval equipment requirements for joint warfare;
  - (2) contributing naval joint warfare inputs to planning for joint operations;



## ANNEXE A—continued

- (3) advising on RAN requirements for joint warfare exercises in the Joint Program of Services Activities;
  - (4) studying reports of joint warfare operations and exercises and advising on naval aspects relevant to the RAN;
  - (5) advice on Army equipment submissions as they affect the RAN;
  - (6) RAN representation on joint Military Movement and Support studies;
  - (7) ensuring appropriate naval representation on writing/editorial groups for the production of joint warfare manuals;
  - (8) sponsoring the development of joint warfare standard operating procedures for use in HMA ships;
  - (9) the development of Australian amphibious operations doctrine;
  - (10) the provision of RAN policy advice to HQ Field Force Command in conjunction with Fleet Staff;
  - (11) the provision of required naval inputs to the Chief of the General Staff's annual study period;
  - (12) the organisation of the annual RAN orientation period for the Army Staff College; and
  - (13) providing the naval representation on the Australian Joint Warfare Establishment Advisory Group.
- b. To the Director General of Naval Operational Requirements for:
- (1) advice on ship and equipment requirements to meet the naval requirements of joint warfare;
  - (2) the formulation of staff targets, staff requirements and ship characteristics for amphibious ships and craft and riverine warfare ships and craft; and
  - (3) advice on tactics for amphibious operations and riverine operations.
2. DJWP—N is Project Director for Master Planning of the Landing Craft Base (HMAS MORETON) and Cairns Patrol Boat Base (HMAS CAIRNS).
3. DJWP—N is responsible to Personnel Directorates for advice on the manpower and training requirements for joint warfare and for amphibious ships and craft.
4. DJWP—N is a member of the following:
- Tactical Panel
  - AJWE Advisory Group
  - Military Movements and Support Studies Group
  - Joint Warfare Manual Editorial Group
  - CGS Exercise Planning Group
  - Defence Joint Marine Base Working Party.

**Hydrographer**  
(Short Title: HYDRO)

## UNCLASSIFIED

1. As the Director of the Hydrographic Division and a member of the Naval Staff, the Hydrographer is responsible to the Deputy Chief of Naval Staff for the following:
  - a. Through the Director General of Naval Operations and Plans:
    - (1) advice on hydrographic policy covering surveying, charting, nautical publications and related subjects;

## ANNEXE A—continued

- (2) assessment of the requirements for hydrographic surveys for defence, development and commercial purposes, and preparation of general programs for meeting these requirements;
  - (3) assessment of the priority, scales and coverage of charting; and
  - (4) technical control of ships employed on hydrographic surveys and oceanography and the issue of detailed instructions to implement the approved programs.
- b. Through the Director General of Naval Operational Requirements for hydrographic, oceanographic and cartographic equipment and techniques and specifications for survey and oceanographic vessels.
  - c. Advice to Personnel Directorates on the arrangement of training and setting of standards of technical knowledge for surveying officers and recorders.
  - d. Representing Australia in the International Hydrographic Bureau.
2. The Hydrographer, RAN, is responsible to the Naval Board for the following:
- a. The supply of charts and navigation publications to the RAN.
  - b. The maintenance of reserve stocks and the provision of emergency arrangements for the supply of charts and publications.
  - c. The sale of Australian and British Admiralty charts and navigational publications to the public.
  - d. The compilation and publication of charts and navigational publications in accordance with approved policy.
  - e. The collection, exchange and dissemination of data and information on hydrographic and oceanographic matters as appropriate.
  - f. The collection of hydrographic and oceanographic intelligence.
  - g. The issue of Notices to Mariners.
  - h. The collection and analysis of tidal data, the capability to predict tides and the editing and publication of Australian National Tide Tables.
  - i. Advice and assistance to neighbouring countries particularly Papua New Guinea, on hydrographic matters.
3. The Hydrographer is responsible to the Flag Officer Commanding HM Australian Fleet for the following:
- a. Advice on the programs of hydrographic and oceanographic ships and issue of Hydrographic and Oceanographic Instructions.
  - b. The specialist support of ships and surveying parties in hydrographic and oceanographic matters.
  - c. Advice on hydrographic and oceanographic matters generally.
4. The Hydrographer is responsible to the Flag Officer Commanding East Australia Area for the administration of the Hydrographic Office, the RAN Chart Depot and the RAN Chart Agency.
5. He is represented at Navy Office by the Staff Officer Hydrography (SOH) who is responsible to the Hydrographer RAN, under the oversight of DTSN for the following:
- Equipment Policy and Staff Requirements*
- a. Representing the Hydrographer on matters relating to staff targets, staff requirements, ship characteristics and the provision of equipments.
  - b. The processing of papers, as Project Officer in Navy Office, dealing with hydrographic and oceanographic projects and equipments.

## ANNEXE A—continued

- c. Ensuring that the Hydrographer is kept informed of matters affecting hydrography and oceanography arising in Navy Office.
- d. Keeping the Hydrographer informed of decisions reached at Navy Office and referring matters which require his direction.
- e. Representing the Hydrographer on matters of hydrographic policy, general program requirements for hydrographic surveys.

*Manning and Training*

- f. Advising Personnel Directorates of the arrangement of training, employment and setting of standards of technical knowledge of Survey Recorder personnel.

*Miscellaneous*

- g. Assisting and liaising with the Assistant Secretary Resources Planning—Navy in the processing of International Hydrographic Office documents and matters.
- h. Maintaining liaison on hydrographic and oceanographic matters with:
  - (1) Director of Military Survey;
  - (2) RAAF Support Requirements (Navigation);
  - (3) Division of National Mapping;
  - (4) Bureau of Mineral Resources; and
  - (5) Department of Transport Coastal Services Division.
- i. Representing the Hydrographer at formal and informal discussions in Navy Office when appropriate.

## 6. HYDRO is a member of:

RAN Oceanographic Committee (Chairman)  
 National Mapping Council  
 Australian Association of Marine and Port Authorities  
 Australian National Committee for Antarctic Research (Sub-committee on Geodesy and Cartography)  
 Lighthouse Advisory Committee  
 University of NSW Surveying Advisory Panel  
 Advisory Committee on Commonwealth Mapping (Adviser)  
 Joint Mapping and Charting Group  
 Technical Committee on Oceanography.

**Director of Naval Meteorology and Oceanographic Services**  
 (Short Title: DONMOS)

## UNCLASSIFIED

1. The Director of Naval Meteorology and Oceanographic Services is responsible to the Director General of Naval Operations and Plans for the following:

- a. In the field of meteorology, for:
  - (1) its organisation, administration and applications;
  - (2) co-ordinating the acquisition, and where necessary the compilation of meteorological charts and publications, and advising the appropriate authorities on their distribution;
  - (3) co-ordinating the acquisition and distribution of climatological data for operational planning for the oceans and adjacent land areas;

## ANNEXE A—continued

- (4) advice to appropriate Directors on the selection, distribution, and siting of instruments and equipments;
- (5) instigating and, if required, directing research and investigations;
- (6) co-ordinating the acquisition of synoptic data and the provision of forecasts and weather schedules for operational purposes; and
- (7) advice to appropriate Directors on the selection, training, employment and resettlement of meteorological personnel.

## b. In the fields of oceanography for:

- (1) providing an environmental analysis and reporting service for the Fleet;
- (2) advising the Hydrographer, RAN, on the requirements of the Fleet for environmental data;
- (3) advising on the collection of data and on investigations into the aspects of ocean characteristics in so far as they effect environmental analysis and reporting;
- (4) advising on policy for disseminating knowledge of oceanography in the Fleet and for the instruction of personnel; and
- (5) advising on the acquisition or development of oceanographic instruments as necessary for environmental analysis and reporting.

2. DONMOS is authorised to inform, advise and consult with RAN authorities, with other Armed Services, and with civilian organisations and governmental departments or agencies on:

- a. meteorological matters of interest to them and for which they have a responsibility; and
- b. oceanographic matters in which there is a common or overlapping interest.

DONMOS will represent RAN interests in meteorology and environmental oceanography both nationally and internationally in these spheres, except for those which come under the terms of the International Hydrographic Organisation. He is a member of the RAN Oceanographic Committee (executive member) and other relevant committees requiring RAN oceanographic or meteorological representation.

3. The Deputy Director of Naval Meteorology and Oceanographic Services (D/DONMOS) is collocated with HYDRO.

## 4. DONMOS is a member of:

RAN Oceanographic Committee (executive member)  
 International Oceanographic Committee.

*Note:* The primary aim of the new Oceanographic Services organisation is to provide an environmental analysis and reporting service. It is therefore intended to concentrate initial effort on investigating Fleet requirements for environmental data and the feasibility of providing such data. Other fields to receive early attention include:

- a. provision of an Australian Oceanographic Atlas;
- b. provision and/or updating of instructional notes;
- c. updating, as necessary, of oceanography instructional staff; and
- d. investigation into the requirements for forecasting services and the viability of providing forecasting services.

5. As was the case with DNWS, DONMOS is also DNES in which capacity he remains responsible to CNP.

## ANNEXE A—continued

## Director of Naval Logistic Planning and Co-ordination

(Short Title: DNLPC)

## UNCLASSIFIED

1. The Director of Naval Logistic Planning and Co-ordination is responsible to the Director General of Naval Operations and Plans for the following aspects of operational logistic planning and co-ordination:

- a. The preparation of logistic appreciations and plans.
- b. Co-ordination of planning for the acquisition and furnishing of services to approved or existing naval units and facilities ashore and afloat.
- c. Co-ordination of planning for the acquisition, construction, maintenance and disposition of facilities, real estate and property.
- d. Co-ordination of logistic policy.
- e. Planning the provision, modernisation, functions and concept of operations of support ships and craft.
- f. Co-ordination of planning for the modification to merchant ships required for military use in emergency.
- g. Liaison with the Joint Operations Logistics Staff (JOLS).
- h. Co-ordination of the planning of logistic management systems.

## 2. DNLPC is a member of:

Naval Works Planning and Priority Committee  
Complements Committee  
Defence Movements Co-ordination Committee.

## Director of Defence Co-operation Programs, Navy

(Short Title: DDCP—N)

## UNCLASSIFIED

1. The Director of Defence Co-operation Programs, Navy, is responsible to the Director General of Naval Operations and Plans, for the co-ordination of naval activities associated with Defence Co-operation programs. In addition, DDCP—N will be the naval point of contact for Australian Government Departments regarding Defence Co-operation programs.

2. In discharging his responsibilities DDCP—N is authorised to liaise direct with other departments, Services and agencies.

3. There are currently two main Defence co-operation programs with which DDCP—N is primarily concerned. These are:

a. *Indonesian Maritime Patrolling Project*. In summary this project comprises:

- (1) the support of two ex-RAN Attack Class Patrol Boats;
- (2) the provision of two follow-on patrol boats;
- (3) the provision of six 51 foot patrol boats;
- (4) the provision of at least six NOMAD aircraft;
- (5) the provision of spare parts, associated equipment and training for the above; and
- (6) assistance with in-country support facilities.

## ANNEXE A—continued

b. *PNG Defence Force Project*. In summary this project comprises:

- (1) the support of five ex-RAN Attack Class Patrol Boats and two ex-RAN LCHs;
- (2) management of the Supply Support Arrangement between Australia and Papua New Guinea;
- (3) the support of technical and logistic activities at the PNGDF Patrol Boat Base, Lombrum and the PNGDF Landing Craft Base, Port Moresby;
- (4) the support of Australian Defence Assistance Group units and personnel in PNG;
- (5) assistance with the management of residual Australian interests in PNG such as the oil fuel installation at Lombrum;
- (6) assistance with the provision of Australian Service personnel for duty with the PNG Defence Force;
- (7) assistance with domestic and training arrangements for PNG Defence Force personnel in Australia; and
- (8) liaison with Headquarters ADAG-PNG regarding arrangements for HMA ships visiting PNG.

## Director General Naval Operational Requirements

(Short Title: DGNOR)

## UNCLASSIFIED

1. The Director General Naval Operational Requirements is responsible to the Deputy Chief of Naval Staff for the following, and is also to meet the Chief of Naval Materiel's requirements in the functional areas asterisked:

- \*a. Assessing the possible use of new developments in relation to future requirements for ships, submarines, naval aircraft and their respective weapon systems together with supporting equipment, and formulating policy for operational application.
- \*b. The preparation of staff targets and requirements for new equipment in the RAN, including the qualitative and quantitative statements of these requirements based on approved objectives and force structures.
- \*c. Trials and assessments of ships, weapons and equipment to ensure that their capability meets the operational requirement. He is the single Service functional authority for RANTAU.
- \*d. Monitoring operational research for the RAN, in conjunction with NSA.
- e. The supervision and co-ordination of the work of DSAW—N, DUW, DTSN, DEW—N, DNAP, DSMP, DNC and DNUR.
- f. Co-ordination of doctrine concerning the effective use of fighting equipment in the RAN.
- g. The naval contribution towards the formulation of Joint Warfare tactics and doctrine.
- h. Co-ordination of tactical development and review of tactics in naval warfare, being the single Service functional authority for the Tactical School.

## 2. DGNOR is a member of:

Naval Staff Requirements Committee (Chairman)  
Naval Materiel Committee  
Sea/Air Warfare Committee (Alternate Chairman)  
Tactical Panel (Chairman)

## ANNEXE A—continued

Personnel Review Board  
 NBCD Policy Committee (Chairman)  
 Naval Scientific Policy Committee  
 RANTAU Review Committee  
 TTCP Sub-Group G  
 RAN Sewage and Waste Steering Group  
 Computing Services Policy Committee  
 Naval Long Range Planning Committee.

**Director of Naval Aviation Policy**  
 (Short Title: DNAP)

## UNCLASSIFIED

1. The Director of Naval Aviation Policy is responsible to the Director General Naval Operational Requirements for all aviation matters involving operational requirements, and to the Director General Naval Operations and Plans for those aspects of policy which are of an operational and planning nature.
2. In particular, he is responsible for the following:
  - a. Advice to Personnel, Technical and Materiel Directorates on the requirements of naval aviation.
  - b. Reviewing the Fleet Air Arm organisation on a continuing basis.

*Operations and Plans*

  - c. Advice on and forecasting of developments in naval aviation and future composition of the RAN Fleet Air Arm.
  - d. Advice on matters affecting the concept of operations and employment of aircraft.
  - e. The study of reports and analyses of operations and exercises, and advice on air aspects relevant to the RAN.
  - f. Advice on the policy for the provision of aviation support facilities.

*Tactics*

  - g. Advice on and co-ordination of all matters relating to the tactical doctrine for naval aircraft and air operations from HMA ships and air stations.
  - h. Advice on the policy for aviation tactical training.

*Staff Requirements, Equipment Policy and General Policy Matters*

  - i. Advice on forecasting of the strategic, tactical and technical development of naval air warfare, including squadrons and aircraft establishments, and peacetime flying rates.
  - j. Advice on aviation aspects during the preparation of staff targets, staff requirements and ship characteristics and preparation of staff targets and staff requirements for aircraft and associated equipment.
  - k. Advice on weapons and weapon delivery policy for naval aircraft.
  - l. Advice on ammunition stocks and practice allowances for air launched weapons.
  - m. Advice on specialist aspects of aircraft communications, aircraft navigation and on naval photography.
  - n. Advice on clearance to fly and aircrew operational aspects of naval aircraft.

## ANNEXE A—continued

*Flight Safety*

- o. Specialist advice on the policy for and implementation of an active Flight Safety Organisation in conjunction with CONS.
- p. Issue of Special Flying Instructions.
- q. Specialist advice on flying clothing and aviation survival equipment.

*Manning and Training*

- r. Advice to Training Directorates on:
  - (1) specialist aspects of aircrew training and the standards required;
  - (2) the levels of training and proficiency of ATCOs, LSOs and other non-technical aviation specialists;
  - (3) the operational aspects of photographic training;
  - (4) special equipment associated with aircrew training; and
  - (5) compilation of course objectives.
- s. Advice on instrument flying standards and procedures.
- t. Advice to personnel directorates on the employment of non-technical Fleet Air Arm personnel.

3. DNAP is Project Director of the Master Plan of NAS, NOWRA.

4. DNAP is a member of:

Tactical Panel  
 Photographic Panel  
 Sea/Air Warfare Committee  
 RAN Lifesaving Committee  
 RAN Aircraft Ground Equipment Committee  
 Australian Naval Aircraft Modification Committee  
 Fire Fighting Equipment Standardisation Committee  
 TTCP Sub-Group G10  
 Joint Services Air Defence Committee  
 RAAF Aircrew Personnel Equipment Executive Committee.

**Director of Submarine Policy**  
 (Short Title: DSMP)

## RESTRICTED

1. The Director of Submarine Policy is responsible to the Director General of Naval Operational Requirements (except for the specific operational and planning matters, asterisked, for which he is responsible to the Director General of Naval Operations and Plans) for the following:

*Operations and Plans*

- \*a. Advice on and forecasting of strategic developments in submarine warfare, and the future composition of the RAN submarine arm.
- \*b. Advice on matters affecting the concept of operations and the employment of submarines.
- \*c. Advice on the policy for the provision of submarine support facilities.

*Tactics*

- d. Advice on and co-ordination of all matters relating to the tactical doctrine for submarines including submarine aspects of reports of operations and exercises.

## ANNEXE A—continued

- e. Advice on the policy for submarine tactical training.

*Equipment Policy and Staff Requirements*

- f. Advice on weapons and weapon policy for submarines including sensors.  
 g. Advice on the selection of submarines and their equipment to meet RAN requirements, including modernisation and conversion of submarines.  
 h. The formulation of staff targets, staff requirements and ship characteristics for submarines and submarine equipment.  
 i. Advice on matters affecting submarine safety, including clearances for the use of practice weapons and explosive charges against submarines, and submarine escape and survival equipment.  
 j. Advice on ammunition stocks and practice allowances for submarine-launched weapons.  
 k. Advice to NTS Divisions on user aspects and trials of submarine-borne equipment and weapons.

*Manning and Training*

- l. Advice to Training Directorates on initial and continuation non-technical submarine training policies, including escape training.  
 m. Advice to Personnel Directorates on submarine manning requirements, schemes of complement of submarines and their support facilities, and on conditions of service for submarine personnel.  
 n. Advice on special equipment required for non-technical submarine training.  
 2. DSMP is Project Director for the Master Plan of HMAS PLATYPUS.  
 3. DSMP is a member of:  
     Tactical Panel  
     Noise Reduction Engineering Panel.

**Director of Naval Communications**  
 (Short Title: DNC)

## RESTRICTED

1. The Director of Naval Communications is responsible to the Director General Naval Operational Requirements (except for the specific operational and planning matters, asterisked, where he is responsible to the Director General Naval Operations and Plans) for the following:

*Policy and Tactics*

- a. Advice on all tactical communications matters including ship, submarine and naval aircraft communications.  
 b. Advice on the communications aspects of fleetwork and associated training.  
 c. Advice on the tactical aspects of fleetwork.  
 d. The study of tactical analyses and reports of operations and exercises, and advice on communications aspects relevant to the RAN.  
 e. Advice on the policy for ships' internal communications in conjunction with DNUR.

*Operations and Plans*

- \*f. The operational control of naval radio stations in accordance with RI 0138.

## ANNEXE A—continued

- g. The overall efficiency, readiness and management of the naval communications system.  
 \*h. The operation and functional management of the Defence Communications Automatic Relay Station, Canberra, and the Navy Office MSO, Canberra and Melbourne.  
 \*i. Communications preparations for war and emergency, and for communications implications of contingency plans.  
 j. Radio frequency planning and the arrangement of necessary assignments for naval equipment emitting electro-magnetic waves, including weapon systems and research and development projects.  
 k. Transmission/emission security of naval communications together with crypto security and the provision of communications security material.  
 l. The compliance of the RAN with the international radio regulations and with the relevant instructions issued by the National Statutory Body in relation to those regulations.  
 m. The maintenance of a communications program, providing information through the Director of Naval Plans to the appropriate branches in connection with naval programs and annual estimates.  
 n. The preparation and revision of necessary RAN communication publications, and for the general functioning of the DA Melbourne.  
 o. Advice on major telephone projects in naval shore establishments and commercial line hire.  
 p. Liaison with the Overseas Telecommunications Commission, the Postmaster-General's Department and the Department of Civil Aviation on appropriate commercial and maritime communication matters, either directly through Australian Interdepartmental Telecommunications Advisory Committee or through DGJC.  
 q. The provision of the naval input to joint communications planning through DGJC.

*Equipment Policy and Staff Requirements*

- r. The formulation of staff targets, staff requirements, minor item submissions, minor CE briefs and project planning papers for naval communications equipment and the policy for allocation of such equipment.  
 s. Advice on communications aspects during the preparation of staff targets, staff requirements and characteristics of ships and naval aircraft.  
 t. Project Director for the Master Plan of HMAS HARMAN and HMAS COONAWARRA.

*Manning and Training*

- u. Advice to Personnel Directorates on the training and employment of communication personnel.  
 v. Advice on flag ceremonial.  
 2. DNC is a member of:  
     Tactical Panel  
     Naval Radio Projects Review Committee  
     Australian Interdepartmental Telecommunications Advisory Committee (as required)  
     Australian Communications Electronics Security Committee  
     AUS-CAN-UK-US Naval Communications Board and Committee.

## ANNEXE A—continued

## Director of Electronic Warfare, Navy

(Short Title: DEW—N)

## RESTRICTED

1. The Director of Electronic Warfare, Navy, is responsible to the Director General Naval Operational Requirements (except for the specific operational and planning matters, asterisked, for which he is responsible to the Director General Naval Operations and Plans) for:

*Policy and Tactics*

- a. The development of tactical doctrine and concepts for EW based on organisation and equipment which is either in service or about to be introduced into service, for ships, aircraft and submarines.
- b. Advice on how EW equipment requirements and organisations should evolve to meet new tactical concepts for ships, aircraft and submarines.
- c. Advice on the tactical employment of EW and associated training for ships, aircraft and submarines.
- d. The study of tactical analyses and reports of operations and exercises, and advice on EW aspects relevant to the RAN.
- e. Co-ordination of all matters relating to the employment of ESM, TACTICAL SIGINT, ECM, ECCM and Electro-Optics countermeasures in the RAN and advice on research into these activities.

*Operations and Plans*

- \*f. The formulation of EW operational concepts for the more distant future in the light of operational experience, predicted technical developments and discernable trends in allied and enemy capabilities.
- \*g. Advice on the operational employment of EW including surveillance missions by ships, aircraft and submarines, in conjunction with DNI.
- \*h. Advice on the integration of EW into plans and operations.
- \*i. EW preparations for war and emergency and for the EW implications of contingency plans being actioned.
- j. The maintenance of an EW program providing information to the appropriate branches in connection with naval programs and annual estimates.
- k. Advice on the overall efficiency, readiness and management of EW activities in the RAN.
- l. The provision of the naval element of joint EW planning.
- m. The preparation and revision of necessary RAN EW publications, RAN contributions to joint EW and allied EW publications and for advising the appropriate branch on the distribution within the RAN of EW publications.

*Equipment Policy and Staff Requirements*

- n. The formulation of staff targets and staff requirements for EW equipments for ships, aircraft and submarines and all EW training facilities.
- o. Advice on the EW aspects during the preparation of staff targets, staff requirements and characteristics of ships, aircraft and submarines.
- p. Life cycle management of all EW equipment.

## ANNEXE A—continued

*Manning and Training*

- q. Advice to Personnel Directorates on the training and employment of EW personnel and for advice on the employment at sea of Radio Operators (Special).
  - r. Advice on special equipment required for EW training.
2. DEW—N is a member of:
- Tactical Panel
  - IEP ABCA-4 (Australian Project Officer)
  - TTCP Sub-Group 'Q' (RAN Member)
  - TTCP Sub-Group 'J' (RAN Member)
  - Defence EW Advisory and Co-ordination Working Group (RAN Member)
  - Command, Control and Co-ordination Committee.
3. Responsibilities for Electronic Warfare in conjunction with DEW—N are assigned to the following Naval Technical Services Directorates:
- a. *Director of Naval Weapons Design (DNWD)*  
Responsible for meeting the requirements for technical ECCM for all non-communications electronic systems which are about to be introduced into service or under consideration for entry into service.
  - b. *Director of Naval Communications Design (DNCD)*  
Responsible for meeting the requirement for technical ECCM for communications and tactical data systems which are about to be introduced into service or under consideration for entry into service.
  - c. *Director of Fleet Maintenance (DFM)*  
Responsible for meeting the requirements for technical ECCM for all electronic systems in service in the RAN.

## Director Surface and Air Weapons, Navy

(Short Title: DSAW—N)

## RESTRICTED

1. The Director of Surface and Air Weapons, Navy, is responsible to the Director General Naval Operational Requirements for the following:

- a. Advice upon the policy and future requirements for weapons launched from ship, shore and aircraft which are designed primarily to strike on land, in the air or above the water line of ships, and for associated equipment. He is to consult with Personnel, Technical and Materiel Directorates with a view to establishing the implications of the adoption of any new weapon.
- b. Advice on all matters relating to the tactical doctrine of ship launched surface to surface and surface to air gunnery and guided weapon tactics.
- c. Advice through DNAP on specialist aspects of aircraft borne weapons other than underwater weapons, including tactics and weapon effort planning.
- d. Advice through DSMP on specialist aspects of submarine launched air flight weapons.
- e. The formulation of naval staff targets, naval staff requirements and operational requirements relating to the weapons in Sub-paragraph a. above and the facilities required in support of these weapons.

## ANNEXE A—continued

- f. Advice on specialist aspects during the preparation of naval staff targets, naval staff requirements and operational requirements and characteristics of new types of ships, and the modernisation or conversion of existing ships in accordance with ABR 5069.
  - g. Advice through DNAP on specialist aspects during the preparation of naval staff targets, naval staff requirements, operational requirements, and modification proposals relating to air weapons.
  - h. Advice on ammunition stocks for the weapons in Sub-paragraph a. and for the preparation and revision of armament statements.
  - i. Advice on all aspects of anti-infiltration operations including prisoner handling and interrogation.
  - j. Advice on land fighting doctrine and training.
  - k. Co-ordinated advice on ceremonial matters.
    1. Preparing, editing, revising and amending CBs and BRs relating to the user aspects of the weapons in Sub-paragraph a.
  - m. Advice to Personnel Directorates on specialist aspects of the training and manning requirements of the weapons in Sub-paragraph a.
2. DSAW—N is a member of:
- Tactical Panel
  - Joint Services Ceremonial Committee
  - Ceremonial Committee (Navy)
  - Explosives Safety Committee
  - Naval Staff Requirements Committee (when required).

**Director of Underwater Weapons**  
(Short Title: DUW)

## RESTRICTED

1. The Director of Underwater Weapons is responsible to the Director General of Naval Operational Requirements for the following:
  - a. Providing advice on:
    - (1) co-ordinated ASW matters involving surface ships, aircraft and submarines;
    - (2) matters relating to surface ship ASW, mine warfare (including magnetic and acoustic self-protection), diving, explosive ordnance disposal, swimmer defence and clandestine operations;
    - (3) the underwater aspects of seaward defence;
    - (4) the policy for ship launched weapons which are designed primarily to strike underwater and for associated sensors and fire control equipments;
    - (5) the policy for mine warfare, diving and EOD, including equipment;
    - (6) the policy for aircraft launched weapons which are designed primarily to strike underwater and for associated sensors, in conjunction with DNAP;
    - (7) equipment requirements for anti-submarine and mine warfare, through DNAP and DSMP as appropriate, on ASW and mining systems in aircraft and submarines;
    - (8) research into underwater warfare matters;

## ANNEXE A—continued

- (9) ASW and MCD aspects during the preparation of staff targets, staff requirements, ship characteristics and project briefs, including equipment for protection against mines and swimmer attack;
- (10) ammunition stocks of underwater weapons.
- b. The formulation of staff targets and staff requirements for:
  - (1) ASW equipments;
  - (2) MCM vehicles and associated equipments;
  - (3) ASW and MCD weapon practice facilities and associated training equipments; and
  - (4) sound and DG ranges for ships.
- c. Assessing the adequacy of the RAN's overall ASW capabilities and initiating corrective measures where necessary.
- d. Assessing the adequacy of RAN shipborne ASW and MCM sensors, weapon systems and procedures and initiating corrective measures where necessary.
- e. Forecasting:
  - (1) future requirements, and providing advice on developments of ship-launched underwater weapons and decoy devices; and
  - (2) future requirements and providing advice on developments of air-launched underwater weapons in conjunction with DNAP.
- f. Advising DNAP and DSMP on ASW and mine warfare matters during the preparation of staff targets and staff requirements.
- g. Liaison with civilian and other Service diving authorities/organisations as appropriate.

*Manning and Training*

- i. Advice to Personnel Directorates on the training and employment of TAS and MCD/CD personnel.
2. DUW is the Project Director for the Master Plan of HMAS WATERHEN.
3. DUW is a member of:
  - Tactical Panel
  - RAN Oceanographic Committee
  - Explosives Safety Committee
  - TTCP Sub-Group G Panel GTP9 (Executive Chairman)
  - TTCP Sub-Group G Panel GTP13 (Member)
  - Noise Reduction Engineering Panel
  - RAN Technical Security Classification Advisory Committee.

**Director Tactics, Ship Command and Control and Navigation**  
(Short Title: DTSN)

## UNCLASSIFIED

1. The Director Tactics, Ship Command and Control and Navigation is responsible to the Director General of Naval Operational Requirements for the following:
  - Policy and Tactics*
    - a. Advice on the policy for, and where applicable the tactical aspects of navigation, pilotage, berthing facilities for HMA ships, warning radars, Action Information Organisation (AIO), aircraft control and ship command and control.

## ANNEXE A—continued

- b. Advice on research into the subjects listed in Sub-paragraph a. above.
- c. The navigation and AIO aspects of NBC tactics.
- d. The study of reports and analyses of exercises, and advice on the application of navigation and AIO aspects relevant to the RAN.
- e. Co-ordination and secretaryship of the Tactical Panel for all aspects of tactical co-ordination, preparation and documentation.
- f. As co-ordinator for the Tactical Panel, for the production and review of Australian Maritime Doctrine and Fighting Instructions (AFIs).
- g. Navy Office liaison with the Tactical School, HMAS WATSON and with the Fleet on tactical matters.

*Equipment Policy and Staff Requirements*

- h. Advice on equipment associated with the subjects listed in Sub-paragraph a. above.
- i. Forecasting future requirements and advice on developments of equipments associated with the subjects listed in Sub-paragraph a. above.
- j. Advice on navigation and AIO aspects during the preparation of staff targets, staff requirements and ship characteristics.
- k. The formulation of staff targets and requirements for navigation and AIO equipment.
- l. Advice on the policy for operations room layouts in conjunction with NCDS PD, and for bridge lay-outs.
- m. The performance of project officer duties as detailed.

*Manning and Training*

- n. Advice to Personnel Directorates on the training and employment of officers and sailors in Officer of the Watch duties, and navigation, aircraft control and operations room subjects.

*Miscellaneous Responsibilities*

- o. Advice on the navigational aspects of collisions and groundings.
  - p. Advice on the policy for marine environmental pollution, in particular sewage, waste and garbage disposal, consulting NSA as required.
2. The Staff Officer, Hydrography, is responsible to the Hydrographer RAN, under the oversight of DTSN, for his duties and responsibilities.
  3. DTSN is a member of:
    - Naval Staff Requirements Committee
    - Tactical Panel.

**Director of Naval User Requirements**

(Short Title: DNUR)

## UNCLASSIFIED

1. The Director of Naval User Requirements is responsible to the Director General of Naval Operational Requirements for the following:

*Policy*

- a. Advice on the policy for NBCD including damage control and fire-fighting, passive defence in naval shore establishments and the naval aspects of the Civil Defence Organisation.

## ANNEXE A—continued

- b. Advice on the policy for seamanship, underway replenishment, support craft and internal ship communications.

*General*

- c. Providing a focal point of user advice for the NTS and, in particular the application and implementation of Naval Staff policy.
- d. Ensuring that the technical implications of user requirements, and the user implications of technical proposals are understood by the appropriate staffs.
- e. Advising NTS divisions/Project Teams on user aspects of surface, underwater and air weapons; mine warfare, CD and EOD equipments and craft; navigation and AIO equipments and Operations Room layouts; communications and EW equipments; life-saving and physical security.
- f. Advice on the characteristics of support craft, including pulling and sailing craft and inflatables.
- g. Co-ordinating the requirements of non-executive users in matters concerning habitability, eg, office space, store rooms, workshops and sick bays, but not including main or auxiliary machinery.
- h. Advice on the user implications of modification, and Alteration and Addition proposals and co-ordinating the processing of all such proposals on behalf of the Naval Staff.
- i. Co-ordination of the formulation of detailed ship characteristics as the design process of ship projects is developed by the NTS design division.
- j. Examination of reports of fires in HMA ships and initiation of any necessary action required at Navy Office.

*Manning and Training*

- k. Advice to Personnel Directorates on the training and employment of officers and sailors involved in seamanship, ship husbandry, UNREP, NBCD and allied duties.
- l. Advising Personnel Directorates on user manning requirements for equipment in or about to enter service.

*Trials*

- m. The co-ordination of RANTAU requirements and trials activities in Navy Office; initiating action for allocation of priorities and approval of routine and non-recurring trials as required; the co-ordination of follow-up action on trials reports.

*User Publications—Handbooks, Drill Books, and Armament Statements*

- n. Initiating action for the writing, editing and revision of user publications, handbooks and drill books as necessary.
- o. Advising DAS—N on the production and updating of armament statements.

*NTS Projects*

- p. Providing project team membership for NTS projects as required by the Chief of Naval Technical Services.

2. DNUR is a member of:

- Naval Staff Requirements Committee
- A and A Committee
- NBCD Committee
- Habitability Committee



## ANNEXE A—continued

Naval Radio Projects Review Committee  
 RAN RADHAZ Committee  
 RAN Lifesaving Committee  
 Support Craft Committee  
 RAN Explosive Safety Committee  
 Sewage and Waste Disposal Steering Committee  
 Shock Trials Steering Committee  
 IKARA Modernisation Committee  
 RAN Metrication Committee  
 Equipment Proposals Committee  
 Above Water Weapons Review Group  
 Underwater Weapons Review Group  
 Defence NBC Working Party  
 Defence Materials Handling Committee  
 Defence Standardisation Committee, Firefighting Equipment Sub-committee  
 Interdepartmental Committee to review RDT and E for Defence against Biological and Chemical Operations  
 IEP ABCA-7 NBCD  
 IEP B-12-Diving and Salvage  
 ABCA Navy Field Z—Project Z 59—Firefighting Fluids  
 RAN Representative, ACT Civil Defence  
 Standards Association of Australia Committee on Portable Fire Extinguishers.

**Director of Organisation and Staff Duties, Navy**

(Short Title: DOSD—N)

## UNCLASSIFIED

1. The Director of Organisation and Staff Duties, Navy, is responsible to the Deputy Chief of Naval Staff for:

- a. Assistance and advice in regard to the co-ordination of single Service aspects of Defence re-organisation, including Navy Office accommodation requirements.
- b. Advice on single Service organisation, administration and staff duties.
- c. The functional direction of the Controller of Publications, Navy. Advice on the overall policy for naval bookwriting and published instructions, and co-ordination of:
  - (1) assignment of authorship/sponsorship of Navy publications in conjunction with Controller of Publications, Navy;
  - (2) drafting and contents of new general purpose books of reference for the Service (excluding Supply, Training, Operations and Technical publications and instructions);
  - (3) advice on distribution of publications and applicability of Allied publications to the RAN;
  - (4) amendment and up-dating of RAN general purpose books of reference; and
  - (5) single Service input and amendments to Joint Service publications and arranging navy representation on Defence and Joint Service publications working parties.

2. DOSD-N is Chairman of the RI Revision Committee.

## ANNEXE A—continued

**Co-ordinator of Naval Safety**

(Short Title: CONS)

## UNCLASSIFIED

1. The Co-ordinator of Naval Safety is responsible to the Deputy Chief of Naval Staff for:

- a. The development, promotion and co-ordination of all aspects of safety in the RAN, including measures for the prevention of accidents arising from, or connected with, operations or training.
- b. Advice to all branches at Department of Defence (Navy Office) and initiation of action in advising Commands on methods of fostering ship, aircraft and domestic safety.
- c. Investigation of accidents in the RAN including preparation of reports and advice to the Naval Board on all questions relating to the safety aspect.
- d. Processing the findings of boards of inquiry from the safety aspect.
- e. Visits to ships and establishments to lecture and advise on aspects of ship and aircraft safety.
- f. Review of findings and statistical analysis of all accident and incident investigations and the promulgation of regular summaries.
- g. Liaison with the National Safety Council and other authorities concerned with accident prevention.

2. CONS is a member of:

RADHAZ Committee (Chairman)

RAN Lifesaving Committee (Chairman)

Interdepartmental Committee on Visits of Nuclear Propelled Ships to Australian Ports.

**Naval Scientific Adviser**

(Short Title: NSA)

## UNCLASSIFIED

1. The Naval Scientific Adviser has responsibilities to the Chief of Naval Staff through DCNS as outlined in Paragraph 3, and he is also responsive to the Chief of Naval Materiel in the areas indicated by an asterisk. In addition he has related responsibilities to the Chief Defence Scientist (through the Controller, Military Studies and Operational Analysis Division).

2. Because of the complexities involved in the transfer of responsibilities and manning in this area of the re-organisation, further changes could occur during the interim stage.

3. In broad terms NSA currently is responsible to CNS for the following:

- a. Providing scientific advice concerning naval plans and operations and formulating naval scientific and technological policy.
- b. Providing the principle point of contact between the RAN and the Defence Scientific and Technology Organisation.
- \*c. Arranging for the conduct of research and development for the RAN.
- \*d. Tasking Services Analytical Studies Group.
- e. Assisting DGNOR in the single service tasking of RANTAU.

## ANNEXE A—continued

- f. Providing the focal point for RAN involvement with TTCP and related co-operative research and development activities.
  - g. Providing advice concerning the applicability of methodology and parameters of military operations analysis studies.
4. NSA is a member of:
- Naval Scientific Policy Committee
  - Naval Long Range Planning Committee
  - Naval Staff Requirements Committee
  - Defence Science Consultative Group, Military Requirements
  - Defence Science Working Party, Impact and Coverage
  - RANTAU Review Committee
  - Noise Reduction Engineering Panel.

*Note:* Paragraph 3 does not give guidance regarding NSAs relationship with RANRL, formal control of which lies with Defence Science and Technology. The concept of control and administration of RANRL during the interim stage of the re-organisation, has yet to be defined but in the meantime the arrangements extant prior to 28 January 1975 should continue.

## ANNEXE B

## Chief of Naval Materiel

(Short Title: CNM)

## UNCLASSIFIED

1. The Chief of Naval Materiel has dual responsibilities to the Chief of Naval Staff and the Secretary, Department of Defence, for various aspects of the equipment acquisition process. Within Navy Office he is responsible for the following:

- a. Co-ordination and management of all major equipment proposals for which CNS is responsible from the conceptual stage (ie, from the time an operational requirement is first endorsed and issued as either a Naval Staff Target or Naval Staff Requirement) through decision to acceptance into Service.
- b. Monitoring the progress of stages of naval equipment projects which are the responsibility of another authority.
- c. Management of the processes leading to the identification, development and approval to purchase of all minor capital equipment items subject to the requirement that projects falling into special equipment categories or which have a significant Joint Service capability or defence industry implication, will be managed in association with the relevant divisions of the Department of Defence.

*Note:* Responsibility for the management of projects is being progressively transferred to CNM during the interim phase of the Defence re-organisation.

2. CNM is responsible to both CNS and the Secretary, Department of Defence, through the Deputy Secretary, Strategic Policy and Force Development, for the following functions, performance of which is shared between Navy Office and Central Defence:

- a. Ensuring the timely submission of naval equipment projects to the various processes of analysis and presentation up to the point of Government decision, working in concert with relevant divisions of the Department of Defence.

## ANNEXE B—continued

- b. Co-ordinating the development of new proposals for major equipment from the conceptual stage through to the letting of contracts and the transfer of responsibility to the Supply and Support organisation. CNM will continue to monitor the progress of projects in conjunction with the Supply and Support organisation.
  - c. Ensuring that all stages of naval activities in the capital equipment processes take account of approved procedures, policies, appropriate staff and analytical studies, etc.
  - d. Assisting in the preparation of recommendations on the force structure from a material aspect when Navy equipment proposals are under discussion.
  - e. Providing in Navy the focal point for translating into equipment terms the operational requirements of the future, having regard to Defence programming limitations. In particular he is to:
    - (1) translate into the required format all Navy new proposals for major equipment for years one to five of the Defence Program and provide information on projects contemplated for approval during the three years beyond the five year program;
    - (2) prepare in concert with the relevant divisions a project management and acquisition plan; and
    - (3) in concert with the relevant divisions, ensure that staff requirements are issued to industry and others in a timely manner, and advise and assist in co-ordinating the development, solicitation and evaluation of proposals from, and the negotiation of, contracts with prospective suppliers.
  - f. Lead the evaluation of specific brand name options.
  - g. Subsequent to Government decision:
    - (1) finalise and obtain approval to the specific characteristics of the equipment; and
    - (2) in concert with other divisions monitor the production and delivery processes and bring to attention any significant variation to the agreed Project and Management Acquisition Plan.
3. CNM is a member of:
- Naval Materiel Committee (Chairman)
  - Source Definition Committee.

## Director of Naval Project Co-ordination

(Short Title: DNPC)

## UNCLASSIFIED

1. The Director of Naval Project Co-ordination is responsible to the Chief of Naval Materiel for the following:

- a. Advising Project Directors on the procedural treatment to be accorded individual projects.
- b. Advising Directors raising requirements and targets on the implications of their proposals, and other Directors who might be affected.

## ANNEXE B—continued

- c. Allocation of reference numbers for new requirements, targets, project directives and naval project briefs.
  - d. Ensuring that appropriate implementation schedules, network diagrams, etc, are included in project documentation to enable subsequent monitoring of project progress.
  - e. Issuing approved targets and requirements and amendments thereto.
  - f. Editing and presentation of draft project directives for approval subsequent to issue of the approved documents.
  - g. Independently reviewing and evaluating project progress to audit Project Directors' Reports during the implementation stage, as necessary.
  - h. Presenting a co-ordinated bi-monthly report of progress of approved projects and other important items, except Works, for the Chief of Naval Staff.
  - i. Producing six-monthly progress statements, on the status of staff targets, staff requirements and project directives.
  - j. Developing and initiating amendments to ABR 5069, 'Instructions for Project Co-ordination'.
  - k. Maintaining presentation showing the implementation status of all major projects.
    - l. Arranging project management training for Navy Office personnel.
  - m. Advising as to which naval requirements should be included in contract documents to enable project progress to be monitored.
  - n. Informing the Chief of Naval Materiel as necessary, of major departure of projects from plans.
  - o. Representing CNM at meetings and discussions as directed.
2. DNPC is a member of:
- Naval Staff Requirements Committee
  - Naval Materiel Committee (alternate chairman)
  - A and A Committee.

**Director General of Naval Design**  
(Short Title: DGND)

## UNCLASSIFIED

1. The Director General of Naval Design is responsible to the Chief of Naval Technical Services for the activities of the Naval Design Division, as follows, and to the Chief of Naval Materiel for the timely completion of project tasks:
  - a. The design of new ships, submarines, support ships and craft, and their associated systems and equipment, the design aspects of modernisation and conversion and the design component for the installation of specialised naval equipment in shore establishments in accordance with overall project priorities promulgated by CNM.
  - b. As required, meeting the post design requirements of the Dockyards and Maintenance Division.

## ANNEXE B—continued

- c. Advising on the entry, training, transfer, advancement and employment of all NTS civilian professional technical and drafting officers at Navy Office, naval dockyards and other shore establishments, consulting with DGNP and DGDM as necessary.
  - d. Advising on personnel, complement and training matters associated with Service staff in the Division.
  - e. Advising on technological advances in characteristics, construction and fitting out of ships, submarines and craft to meet the future requirements of the RAN.
  - f. The overall preparation and review of annual estimates, Defence programs and the control of estimates and costs for all design matters associated with construction, modernisation and conversion.
  - g. Establishing and maintaining design standards, methods and procedures for use throughout the Navy consulting with DGDM as necessary.
2. DGND is a member of:
- Naval Metrication Committee (Chairman)
  - NTS Engineering Civil Personnel Committee (Chairman)
  - Noise Reduction Engineering Panel (Chairman)
  - Naval Staff Requirements Committee
  - Naval Scientific Policy Committee
  - Defence Group Committee on Metric Conversion
  - Naval Materiel Committee (as required)
  - NTS Cost Estimating Committee.
3. DGNP and DGDM will be responsible for minor design work which can be efficiently performed within their respective divisions.

**Director General of Naval Production**  
(Short Title: DGNP)

## UNCLASSIFIED

1. The Director General of Naval Production is responsible to the Chief of Naval Technical Services for the activities of the Naval Production Division as follows, and to the Chief of Naval Materiel for the timely implementation of ship and equipment projects:
  - a. The control of the construction, modernisation and conversion of ships, submarines, support ships and craft and of marine craft for other Services as required.
  - b. Ensuring the suitability from the user, maintenance and production viewpoints of design information used for construction, production and procurement.
  - c. The acceptance of all design and working drawings, specifications and design instructions prepared by contractors or dockyards, consulting as necessary with the Design Division on design aspects.
  - d. The timely availability of:
    - (1) machinery and equipment for ships and submarines building, undergoing modernisation, conversion or refit, advising those concerned of requirements for procurement; and

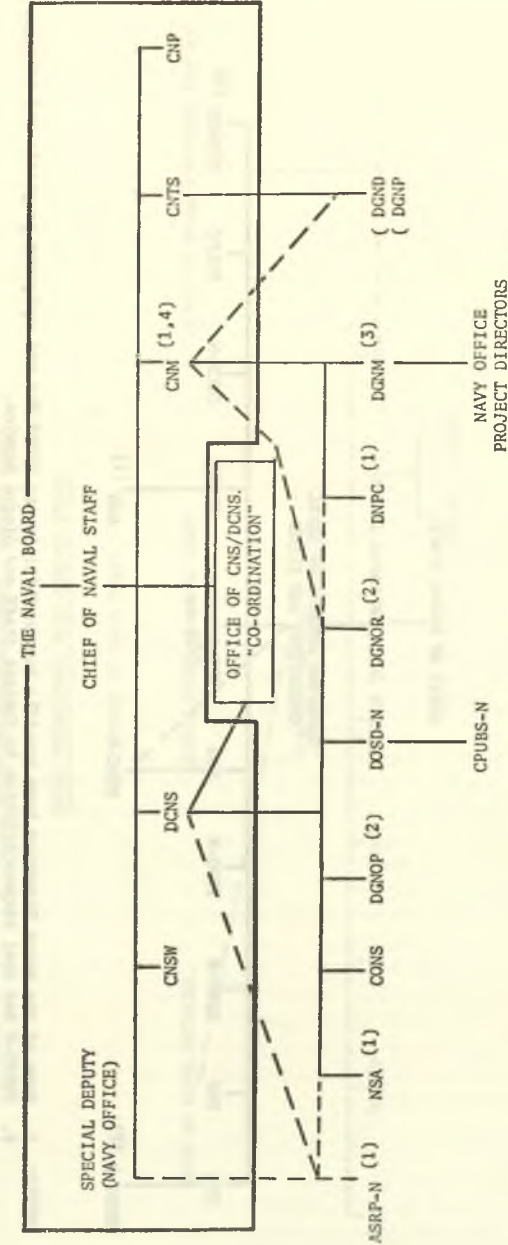
ANNEXE B—continued

- (2) specialised naval equipment for shore establishments, advising Supply Division as necessary of requirements for procurement.
  - e. The timely installation of specialised naval equipment in shore establishments.
  - f. Advising the Supply Division on the range and depth of spare parts, tools and test equipment required for new equipment and recommended adjustments to existing scales and allowances.
  - g. The establishment and development of quality assurance standards and programs for naval production and repair activities except for air material.
  - h. The direction of the Overseeing and Ordnance Inspection services.
  - i. The overall preparation, co-ordination and review of annual estimates, Defence programs and the control of project estimates and costs for construction, modernisation and conversion.
  - j. Advising on personnel, complement and training matters associated with Service and civilian staff employed in the Division.
  - k. Approval of the trials and trials programs for construction, modernisation and repair, after consultation with DGNOR.
2. DGNP is a member of:
- Naval Metrication Committee
  - NTS Engineering Civil Personnel Committee
  - RAN Repair and Refit by Replacement Steering Committee
  - RAN Sewage and Waste Steering Group
  - Work Breakdown Structure (Cost Headings) Committee
  - NTS Cost Estimating Committee (Chairman)
  - Naval Materiel Committee (as required).

ANNEXE C  
CHART 1

UNCLASSIFIED

NAVAL STAFF ORGANISATION CHART - INTERIM STAGE



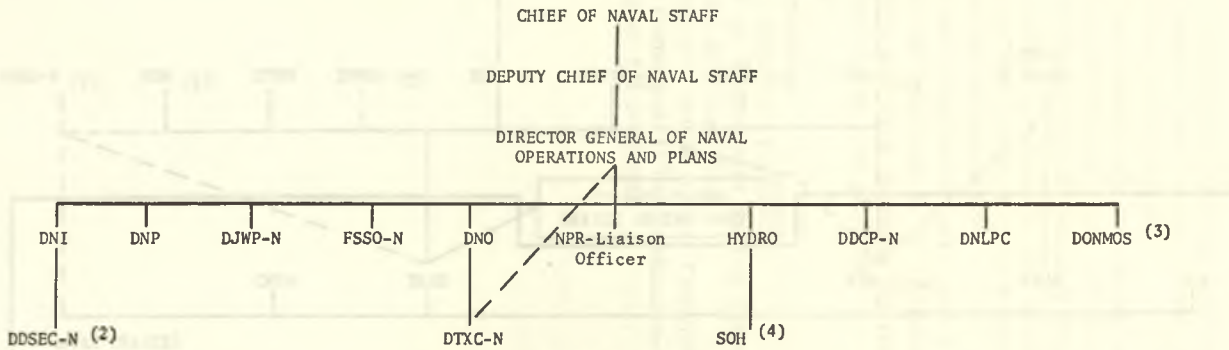
- NOTES:
1. These authorities will have dual responsibilities - to Central Defence and Single Service.
  2. For organisation under DGNOP and DGNOR see Charts 2 and 3 respectively.
  3. Proposals for the post of Director General of Naval Materiel are being considered.
  4. CNM is not a formal member of the Naval Board, but will attend all Board meetings.

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NAVAL STAFF ORGANISATION CHART - INTERIM STAGE

NAVAL OPERATIONS AND PLANNING STAFF



- NOTES: 1. Some of the above Directors have specific responsibilities to DGNOR for new equipment proposals and tactics.  
 2. DDSEC-N has dual responsibilities to Central Staff and Single Service.  
 3. DONMOS is dual-hatted within Navy, also being DNES.  
 4. SOH is responsible to the Hydrographer and works under the supervision of DTSN.

CHART 2

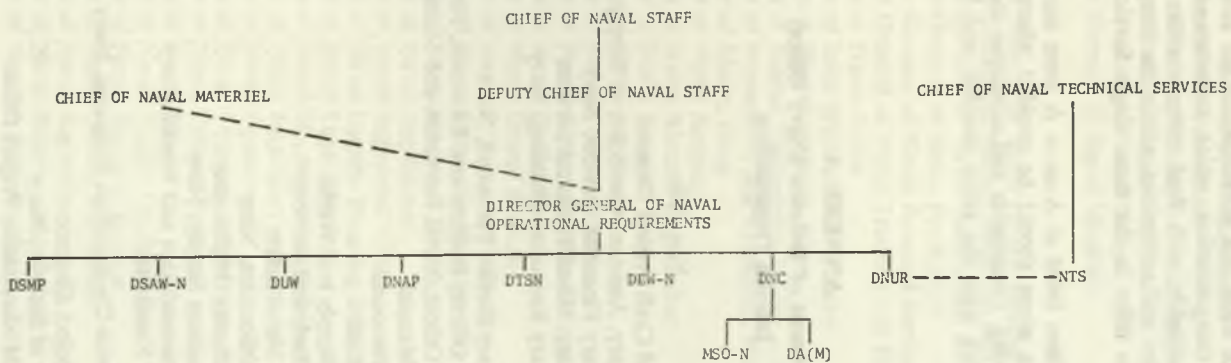
ANNEXE C—continued

UNCLASSIFIED

UNCLASSIFIED

NAVAL STAFF ORGANISATION CHART - INTERIM STAGE

NAVAL OPERATIONAL REQUIREMENTS STAFF



- NOTE: 1. Some of the above Directors have specific operational responsibilities to DGNOP as indicated in their directives.

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(Confidential Navy Orders 7/72, 22/72, 5/74 and 11/74)

(2/204/78)

CHART 3

ANNEXE C—continued

## UNCLASSIFIED

132/75—Navy Office Titles and Abbreviations Defence Reorganisation—  
Interim Stage

1. A review of Navy Office titles and abbreviations has been made for use during the interim stage of Defence reorganisation, which commenced on 28 January 1975, and to conform, as far as practicable, with final reorganisation requirements. The aim is to identify Naval Directorates and authorities within the integrated Department and to minimise ambiguity between titles in the three single Services offices and Defence Central.

2. The titles and abbreviations listed at Annexe A were introduced on 28 January 1975. Use of the abbreviations alone should be avoided wherever possible until personnel are aware of their meaning. Documents and envelopes should be fully addressed with the complete title, together with the office number and building designation of the addressee, if known.

## ANNEXE A

## Department of Defence (Navy Office)

## Interim Organisation

New Abbreviation	New Title	Old Abbreviation/ Remarks
AOR/PCPD..	AOR and Patrol Craft Project Director .. ..	New Post
ASACOS-N..	Assistant Secretary, Assistant Controller of Supply, Navy .. ..	AS (AC of S)
ASFS-N ..	Assistant Secretary Financial Services, Navy .. ..	AS (F)
ASNTS ..	Assistant Secretary, Naval Technical Services .. ..	AS (NTS)
ASRP-N ..	Assistant Secretary Resources Planning, Navy .. ..	AS (R & M)
		AS (NS)
ASSP-N ..	Assistant Secretary Service Personnel, Navy .. ..	AS (NP)
CEOBE-N ..	Chief Executive Officer, Budgets and Estimates, Navy .. ..	DFPE
CEONR&M..	Chief Executive Officer, Naval Resources and Materiel .. ..	CEO (MAT)
CNM ..	Chief of Naval Materiel .. ..	New Post
CNP ..	Chief of Naval Personnel .. ..	CNP
CNS ..	Chief of Naval Staff .. ..	CNS
CNSW ..	Chief of Naval Supply and Works .. ..	CNSW
CNTS ..	Chief of Naval Technical Services .. ..	CNTS
CONS ..	Co-ordinator of Naval Safety .. ..	CONS
CPUBS-N ..	Controller of Publications, Navy .. ..	CPUBS
DA (M) ..	Distributing Authority (Melbourne) .. ..	DA (M)
DAS-N ..	Director of Armament Supply, Navy .. ..	DAS
DAW-N ..	Director of Accommodation and Works, Navy .. ..	DNW
DCNS ..	Deputy Chief of Naval Staff .. ..	DCNS
DDCP-N ..	Director of Defence Co-operation Programs, Navy .. ..	INPRO
		PNGDFPO
DDGUPD ..	DDG Update Project Director .. ..	DDG (UPD)
DDSEC-N ..	Deputy Director of Security, Navy .. ..	DDS (N)
DEPO ..	River Class DE Modernisation Project Officer .. ..	DEPO
DEW-N ..	Director of Electronic Warfare, Navy .. ..	DEW
DFDSP ..	Director of Forward Design, Ship Projects .. ..	DFD

## ANNEXE A—continued

New Abbreviation	New Title	Old Abbreviation/ Remarks
DFM ..	Director of Fleet Maintenance .. ..	DFM
DFSR ..	Director of Fleet Supply Requirements .. ..	DFSD
DFWS ..	Director of Fleet Work Study .. ..	DFWS
DGDM ..	Director General of Dockyards and Maintenance .. ..	DGDM
DGM-N ..	Director General of Manpower, Navy .. ..	DGM
DGND ..	Director General of Naval Design .. ..	DGND
DGNM ..	Director General of Naval Materiel .. ..	Position under consideration
DGNHS ..	Director General of Naval Health Services .. ..	MDG
DGNOP ..	Director General of Naval Operations and Plans .. ..	DGOP
DGNOR ..	Director General of Naval Operational Requirements .. ..	DGFE
DGNP ..	Director General of Naval Production .. ..	DGNP
DGNPS ..	Director General of Naval Personal Services .. ..	DGPS
DGNTTE ..	Director General of Naval Training and Education .. ..	DGT
DIRNP ..	Director of Naval Police .. ..	DNP
DJWP-N ..	Director of Joint Warfare Policy, Navy .. ..	DJWP
DLS-N ..	Director of Electrical Stores, Navy .. ..	DLS
DMED ..	Director of Marine Engineering Design .. ..	DMED
DMOVT-N ..	Director of Movements and Transport, Navy .. ..	DMD
DMUS-N ..	Director of Music, Navy .. ..	DMUS
DNA ..	Director of Naval Accounts .. ..	DNA
DNAE ..	Director of Naval Aircraft Engineering .. ..	DNAE
DNAP ..	Director of Naval Aviation Policy .. ..	DNAP
DNAS ..	Director of Naval Air Stores .. ..	DNAS
DNC ..	Director of Naval Communications .. ..	D of C
DNCD ..	Director of Naval Communication Design .. ..	DCSD
DND ..	Director of Naval Dockyards .. ..	DOD
DNDS ..	Director of Naval Dental Services .. ..	DDS
DNEP ..	Director of Naval Equipment Production .. ..	DNEP
DNES ..	Director of Naval Education Services .. ..	DNES
DNED ..	Director of Naval Electrical Design .. ..	DES
DNI ..	Director of Naval Intelligence .. ..	DNI
DNIP ..	Director of Naval Industrial Policy .. ..	DNIP
DNLPC ..	Director of Naval Logistic Planning and Co-ordination .. ..	DAP
DNLS ..	Director of Naval Legal Services .. ..	DNLS
DNMP ..	Director of Naval Manpower Planning and Complements .. ..	DMP
DNMS ..	Director of Naval Machinery and Spares .. ..	DMS
DNO ..	Director of Naval Operations .. ..	D of O
DNOI ..	Director of Naval Ordnance Inspection .. ..	DNOI
DNOP ..	Director of Naval Officers Postings .. ..	DAPO
DNP ..	Director of Naval Plans .. ..	D of P
DNPC ..	Director of Naval Project Co-ordination .. ..	DPCO
DNPS ..	Director of Naval Personal Services .. ..	DPS (A)
DNQA ..	Director of Naval Quality Assurance .. ..	DNQA
DNR ..	Director of Naval Recruiting .. ..	DNR
DNRC ..	Director of Naval Reserves and Cadets .. ..	DNRC
DNS-N ..	Director of Nursing Services, Navy .. ..	RANNS, also Matron RANNS
		DSD
DNSD ..	Director of Naval Ship Design .. ..	DSD

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*ANNEXE A—continued*

<i>New Abbreviation</i>	<i>New Title</i>	<i>Old Abbreviation/ Remarks</i>
DNSP ..	Director of Naval Ship Production .. ..	DNSP
DNSUA ..	Director of Naval Supply Administration .. ..	DSUA
DNSUP ..	Director of Naval Supply Policy .. ..	DSUP
DNSUS ..	Director of Naval Supply Services .. ..	DSUS
DNSW ..	Director of Naval Social Work .. ..	DSW
DNT ..	Director of Naval Training .. ..	D of T
DNTR ..	Director of Naval Training Research .. ..	DTR
DNUR ..	Director of Naval User Requirements .. ..	DUR
DNVGS ..	Director of Naval Victualling and General Stores .. ..	DVGS
DNWD ..	Director of Naval Weapon Design .. ..	DWSD
DONMOS ..	Director of Naval Meteorological and Oceanographic Services .. ..	DNWS
DOSD-N ..	Director of Organisation and Staff Duties, Navy .. ..	New Post
DPSYCH-N ..	Director of Psychology, Navy .. ..	D PSYCH
DSMR ..	Director of Submarine Maintenance and Repair .. ..	DSMR
DSMP ..	Director of Submarine Policy .. ..	DSMP
DSP ..	Director of Sailors Postings .. ..	DSP
DSAW-N ..	Director of Surface and Air Weapons, Navy .. ..	DSAW
DTSN ..	Director of Tactics, Ship Command and Control and Navigation .. ..	DNSD
DTXC-N ..	Director of Trade and Exercise Co-ordination, Navy .. ..	SONCAPS
DUW ..	Director of Underwater Weapons .. ..	DUW
DWRANS ..	Director of Women's Royal Australian Naval Service .. ..	DWRANS
FASCOS-N ..	First Assistant Secretary, Controller of Supply, Navy .. ..	FAS C of S
FSSO-N ..	Force Structure Studies Officer, Navy .. ..	MAPSO
HYDRO ..	The Hydrographer .. ..	HYDRO
MEDPD ..	Marine Engineering Demonstration Building Project Director .. ..	MEDPD
NCDS ..	Naval Combat Data Systems .. ..	NCDS
NPRLO ..	Naval Public Relations Liaison Officer .. ..	DPR
NSA ..	Naval Scientific Adviser .. ..	NSA/SNSS
PDDD ..	Project Director Dockyard Development .. ..	PDDD
PEONTS ..	Principal Executive Officer, Naval Technical Services .. ..	PEO (NTS)
PEOSP-N ..	Principal Executive Officer, Service Personnel, Navy .. ..	PEO (NP)
PFDM ..	Patrol Frigate Design Manager .. ..	NDDM
PFPD ..	Patrol Frigate Project Director .. ..	NDPD
SBPD ..	Shoal Bay Project Director .. ..	SBPD
SDNO ..	Special Deputy (Navy Office) .. ..	SD (NO)
SEODM ..	Senior Executive Officer, Dockyards and Maintenance .. ..	SEO (DM)
SEONOPS ..	Senior Executive Officer, Naval Operations .. ..	SEO (OPS)
SEONOR ..	Senior Executive Officer, Naval Operational Requirements .. ..	SEO (FE)
SEONP ..	Senior Executive Officer, Naval Production .. ..	SEONP
SEOSP-N ..	Senior Executive Officer, Service Personnel, Navy .. ..	SEO (NP)
SKPD ..	Sea King Project Director .. ..	SKPD
SOH ..	Staff Officer, Hydrography .. ..	SO (H)
SPC ..	Sailstruc Project Co-ordinator .. ..	SPC
TTPD ..	Tactical Trainer Project Director .. ..	TTPD

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12420/75

F. D. ATKINSON, Government Printer, Canberra

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# AUSTRALIAN NAVY ORDERS

- 133/75 Change in Rules, Regulations, Orders, Instructions, etc., for the Australian HMA Ships.
- 134/75 Navy Messes—Navy Direct Control.
- 135/75 HMA Ships—Orders, Regulations, etc., for the use of HMA Ships.
- 136/75 Fleet Messes—The Fleet Mess Committee—Fleet Mess Regulations, 1975.
- 137/75 Reporting of Incidents—Form YAL11.
- 138/75 HMA Ships—Orders—Emergency Training.

Navy Office, Canberra,  
12 May 1975.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

- SECTION 4—EQUIPMENT, STORES AND SUPPLIES
- 144/75 Equipment—Change in HMA Ship—Inventory.
- 145/75 Inventory of Stores in HMA Ships on 31st Dec 1974.
- SECTION 5—OFFICE CORRESPONDENCE, FILMS AND STATIONERY
- 146/75 Instructions Concerning the Distribution of Publications and Stationery—Managed by Procurement Office Instructions, Volume—February 1975.

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

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ADMINISTRATIVE AND GENERAL

**CONTENTS**

<i>No</i>	<i>Title</i>
<b>SECTION 1—ADMINISTRATIVE AND GENERAL</b>	
133/75	Charges for Radio Telegrams, Radio Telephone Calls, Etc, Originating in HMA Ships.
134/75	Navy Displays—Navy Display Caravans.
135/75	NBCD—Officers Responsibilities (Not applicable to HMA Submarines).
136/75	Peter Mitchell Trust British Commonwealth Navies Essay Competition—1975.
137/75	Reporting of Accidents—Form PA123 (Accident Investigation Report).
138/75	White Phosphorus Injuries—Emergency Treatment.
<b>SECTION 2—PERSONNEL</b>	
139/75	Will Not Be Issued.
140/75	Effects of Absentees and Patients Dispatched to Hospital.
141/75	Naval Police Structure and Conditions of Entry and Service.
142/75	Sailors Posted for Diving Courses.
143/75	Sheila McClemons' Trophy.
<b>SECTION 4—EQUIPMENT, STORES AND SERVICING</b>	
144/75	Foodstuffs—Change to Metric Packs—Accounting Units.
145/75	Introduction of Facility to Demand Stores on 'Fill or Kill' Basis.
<b>SECTION 5—BOOKS, CORRESPONDENCE, FORMS AND STATIONERY</b>	
146/75	Information Concerning and Distribution of Publications and Amendments Managed by Executive Officer Publications, Sydney—February 1975.

**AMENDMENTS**

147/75 Stores—Demands on Non-EDP Depots.

Additional copies of Navy Orders may be readily obtained by:

- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 4718.

Section 1

ADMINISTRATIVE AND GENERAL

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133/75—Charges for Radio Telegrams, Radio Telephone Calls, Etc, Originating in HMA Ships

1. This order sets out charges which will be made by Australian and New Zealand authorities and other conditions relating to radio telegrams, radio telephone calls, etc, originating in HMA ships.

Telegram Charges

2. Charges for radio telegrams transmitted via Australian Coast Stations from HMA ships are 5½ cents per word with a minimum charge of 39 cents for seven words or less.

3. Charges for ship letter telegrams transmitted via Australian Coast Stations are 2½ cents per word with a minimum charge of 55 cents for twenty-two words or less.

4. Words are to be counted in accordance with MBR 8544—Handbook for Radio Operators in the Maritime Mobile Service Part 3.

Telephone Charges

5. Charges by the Australian Postmaster-Generals Department for radio telephone calls from HMA ships to telephone subscribers in Australia are as follows:

	\$
a. Within the region south of the Equator and between 80° East and 180° East:	
(1) first three minutes or part thereof .. .. .	2.01
(2) each additional minute .. .. .	0.67
b. Outside the above area:	
(1) first three minutes or part thereof .. .. .	5.01
(2) each additional minute .. .. .	1.67

Note: Rates include trunk line charges to all parts of the Commonwealth.

6. Charges by the New Zealand General Post Office, Wellington, for radio telephone calls from HMA ships are as follows, subject to a minimum charge as for three minutes:

- a. Radio Telephone
  - (1) Charge by the New Zealand General Post Office for radio telephone calls from HMA ships from all areas is 93 cents per minute with a minimum of three minutes.
  - (2) The charge also applies on calls to other countries via New Zealand coast stations, in addition to the normal international call charge from New Zealand to the country of destination.
- b. Radio Telegraph Services
  - (1) From HMA ships destined for addresses in New Zealand, 5.5 cents per word.

(2) Onward Transmission Charges	<i>Per Word</i>
(a) South West Pacific:	
(i) Commonwealth .. .. .	.07 cents
(ii) Foreign .. .. .	.20 cents
(b) All other countries:	
(i) Commonwealth .. .. .	.20 cents
(ii) Foreign .. .. .	.36 cents

*Note:* The coast station charge of 3.5 cents per word is payable in addition to the above rates.

- c. For the purpose of charging, 'South West Pacific' includes countries wholly or partly inside the area bounded by the equator and the longitudes 140° East and 120° West, including Australian and French bases in the Antarctic and the entire Gilbert and Ellice Island Group.
- d. The Coast Station minimum charge for ship letter telegrams is 82.5 cents for twenty-two words at 3.75 cents per word.

7. The cost of private messages and telephone calls is to be recovered in accordance with Article 155 of the Navy Accounts Manual. Where charges on private messages or calls are not known the authority concerned is to be asked to advise the charges together with any land line or cable rates that may be applicable. The cost of exchange or any other charges which may arise in connection with a private message or call are to be included in assessing the cost to be recovered.

8. In all cases where an amount to be charged includes a  $\frac{1}{2}$  cent, the charge is to be debited to the next higher cent.

9. Navy Order 144/72 is hereby cancelled.

(16/51/25)

(Navy Order 144/72)

UNCLASSIFIED

### 134/75—Navy Displays—Navy Display Caravans

1. All Naval displays and Navy display caravan tours are planned and presented on a national basis, with co-ordination and financial control being exercised from Navy Office, Canberra.

#### Organisation

2. a. *Navy Displays.* A pool of display material has been established which is held in store, in the Sun Garage, Dowling Street, Woolloomooloo, Sydney, for use in the Eastern States. A similar pool is held in HMAS LEEUWIN for use in West Australia.
- b. *Navy Display Caravans.* There are three of these units which are fitted out, maintained, and operated from the Sun Garage, Dowling Street, Woolloomooloo, Sydney.

#### Presentation

3. An officer is appointed to the staff of Director of Naval Recruiting as Staff Officer (Displays) and is responsible for overall planning of Navy displays and caravan tours in the Eastern States. The Naval Officer-in-Charge, West Australia, is responsible, as directed by Navy Office, for the presentation of displays in West Australia.

#### Display Requests

4. All requests for displays received by administrative authorities are to be referred to Navy Office, Canberra, with appropriate recommendation.

#### Personnel

5. The personnel to form the Navy display team and to man the Navy display caravans are borne in HMAS KUTTABUL 'for Naval Display Team'.

6. For major displays administrative authorities will be required to provide personnel to assist in setting up, manning, and taking down such displays, and a staff car to accompany caravan tours.

7. The general content of pooled material takes the form of:

- large scale ship and aircraft models;
- working scale models of weapon systems;
- colour and black and white photographic prints;
- black and white photographic mural prints, and large colour transparencies;
- continuous reel movie film, both colour features and black and white news-reels, projected by standard and rearward projection systems;
- moving message display systems;
- spectator participation, and spectator activated display units;
- give-away brochures;
- lighting—strip and spot;
- background props—modular units.

8. Suggestions on presentation and material may be forwarded to the Special Deputy, Department of Defence (Navy Office), Canberra.

#### Transportation of Display Material

9. Transportation of material will be by road where practicable. Small displays may be dispatched by other means. Transport is to be allocated to the display team as required from the command pool. The normal requirement will be for a three-ton truck, and the team will provide its own driver.

10. Requests for assistance from display team resources, either personnel or material, are to be made to the Special Deputy, Department of Defence (Navy Office), Canberra, and in view of the heavy commitments of the organisation, maximum notice is to be given.

11. Provision of either personnel or material will be dependent on scheduled commitments.

12. Navy Order 165/72 is hereby cancelled.

(307/3/48)

(Navy Order 165/72)

UNCLASSIFIED

### 135/75—NBCD—Officers Responsibilities

(Not applicable to HMA Submarines)

1. The instructions to officers carrying out NBCD duties in HMA ships are as laid down in BR 2170 (69) Ships NBCD Manual Volume 1.

2. Chapter 18 Paragraph 10 of these instructions is to be read as placing responsibility for the necessary corrective measures in case of fire, flooding or any damage sustained by the ship with the Marine Engineering Officer, who is the ships 'ACTION NBCD Officer'. This does not apply in ships where a qualified NBCD Officer is carried for these duties.

3. It is to be noted that the duties laid down in Paragraph 5 of the instructions will become the responsibility of the Marine Engineering Officer after the implementation of SAILSTRUC.

4. Navy Order 323/72 is hereby cancelled.

(1600/208/45)

(Navy Order 323/72)

UNCLASSIFIED

136/75—Peter Mitchell Trust British Commonwealth Navies Essay Competition—1975

General

1. Under the terms of the Peter Mitchell Trust, an essay competition is held annually. It is open to all members of British Commonwealth Navies of the rank of Commander and below.

2. The essays are judged by one or more officers selected by the Australian Commonwealth Naval Board and, when possible, will include officers of British Commonwealth Navies other than the Royal Australian Navy.

Prizes

3. Seven prizes are awarded annually in the following three groups:

Group 1. Prize of \$1,250 and books or instruments to the value of \$250. This is an open competition (for officers and sailors).

Group 2. Prizes of \$1,000, \$500 and \$250 for the best three essays submitted by officers (see notes).

Group 3. Prizes of \$1,000, \$500 and \$250 for the best three essays submitted by sailors (see notes).

Notes: 1. Prizes in Groups 2 and 3 will be considered after the prize for open competition has been awarded, and the winner of that prize will not be eligible for a further prize.

2. In the event of insufficient entries of merit being received for either Group 2 or Group 3 prizes:

a. the Australian Commonwealth Naval Board have the discretion to transfer prizes from Group 2 to Group 3 or vice versa; and

b. the Australian Commonwealth Naval Board reserve the right not to award prizes at all levels within each group.

Essay Rules

4. Essays must be original, and between 5,000 and 10,000 words. They are to be in the English language and typewritten using double-spacing on paper approximately international size A4 (297 x 210 mm).

5. Footnotes and bibliography should give full acknowledgement to source material, and correct essay presentation will be taken into consideration.

6. Each competitor is to sign a declaration that the essay is the competitors own unassisted work. The declaration is to be countersigned by the competitors Commanding Officer. A specimen declaration is attached as Annexe A to this order.

7. Competitors names must not appear on essays. A pseudonym, which is to appear on the title page of the essay, must be used.

8. The authorship of the entries, and the authors country of origin, will be unknown to the judges until the allocation of prizes to the three groups of prize-winners has been determined.

9. The Trustees, in consultation with the Australian Commonwealth Naval Board, will have power to alter or terminate the competition.

Submission of Essays

10. A sealed envelope is to accompany each essay, with the competitors pseudonym written on the outside. The envelope is to contain:

a. the declaration referred to in Paragraph 6 above; and

b. a typed sheet with the competitors pseudonym, and his name, rank and address.

The contents of these envelopes will not be known to the judges of the essays.

11. Essays and identifying envelopes are to be airmailed, in a larged sealed envelope, marked 'Peter Mitchell Trust Essay Competition' to the following address, postmarked on or before 31 October 1975:

Director of Naval Education Service
Department of Defence (Navy Office)
CANNBERRA ACT 2600 AUSTRALIA.

12. Competitors are advised that copyrights will reside with the Australian Commonwealth Naval Board.

13. Prizewinners will be notified individually, and full results will be published as soon as possible.

1975 Essay Title

14. The title of the 1975 essay is:

'How are the social changes expected in the next few years likely to affect the Navy?'

15. Navy Order 186/74 is hereby cancelled.

ANNEXE A

Specimen Declaration

1. Attached in a separate envelope is my entry for the 1975 Peter Mitchell Essay Competition.

2. The essay may be identified by the pseudonym.....

3. The essay is my own unassisted work.

4. I accept as final the judgment of the officers appointed by the Australian Commonwealth Naval Board to judge the competition.

5. I hereby assign to the Australian Commonwealth Naval Board my copyright in the essay.

Countersigned..... Signed.....

(Commanding Officer) Date.....

(212/1/26)

(Navy Order 186/74)

## UNCLASSIFIED

**137/75—Reporting of Accidents—Form PA123 (Accident Investigation Report)**

1. To ensure that comprehensive information regarding accidents reaches the Coordinator of Naval Safety, Form PA123 (Accident Investigation Report) is to be forwarded whenever the following occurs:

- a. Any accident which results in injury to naval personnel whether on duty or not.
- b. Any accident involving naval personnel on duty which results in injury to any person or damage to property.
- c. Any accident involving civilian personnel occurring onboard ships or establishments.

2. For the purposes of this order an injury is defined as one which warrants medical attention.

3. RI 1624 will be amended in due course.

4. This will alter the present RI to include all non-service accidents to service personnel and to include diving and aviation accidents in those to be reported on Form PA123.

(341/1/12)

## UNCLASSIFIED

**138/75—White Phosphorus Injuries—Emergency Treatment**

1. White Phosphorus (WP) is a component of 4.5 inch and 5 inch marker shell, and 81 mm mortar smoke shell and may be liberated if shells are damaged. It burns on contact with air and can produce flash burns which heal slowly and are very painful. Fumes and small particles of phosphorus which may be inhaled are highly irritating to the respiratory tract and may result in airway obstruction and pulmonary oedema. Absorbed phosphorus can cause fatal damage to liver, kidneys or heart. The absorption of small amounts of WP can cause damage to bone, especially that of the lower jaw. Particles of WP embedded deep in tissue and not in contact with air do not burn, but dissolve and are absorbed into body tissues and can produce systemic effects as noted. It is highly desirable to stop further burning of phosphorus adhering to the body surface.

2. Personnel working with WP and/or involved in explosive ordnance disposal are to be carefully instructed in safety precautions and the methods of handling WP injuries as set forth in this order. Refresher instruction is to be given at least once a year.

3. Freshly prepared 6505-66-086-8761 COPPER SULPHATE 1% BPC 37GMS (CHSO<sub>4</sub>) SOLUTION (37Gms cupric sulphate added to 1 gallon of water) is to be used as part of the treatment plan which follows.

**Treatment Procedure**

4. a. Rapidly remove clothing contaminated with white phosphorus. Wet or smother adherent particles with water. Brush and try to remove white phosphorus particles from skin where possible, using knife, tool or stick. Keep adherent particles wet with water or mud until cupric sulphate (CuSO<sub>4</sub>) solution can be applied.

- b. Apply cupric sulphate (CuSO<sub>4</sub>) solution made up in accordance with Paragraph 3, and flush immediately with water. (The coating action of cupric sulphate (CuSO<sub>4</sub>) is almost instantaneous, and absorption of excess cupric sulphate (CuSO<sub>4</sub>) solution should be avoided.) The application of cupric sulphate (CuSO<sub>4</sub>) solution followed by immediate flushing with water offers the best protection from injury by phosphorus and by cupric sulphate (CuSO<sub>4</sub>).
- c. After the application of cupric sulphate (CuSO<sub>4</sub>) solution and water flushing, examine the injured area for evidence of still-burning phosphorus particles. If any are found, repeat cupric sulphate (CuSO<sub>4</sub>) application and flush immediately with water.
- d. When phosphorus particles have been coated and burning has ceased, inspect the injured area and remove phosphorus particles to the extent practical with forceps or other instrument. **DO NOT** cut or probe wound.
- e. Coated phosphorus particles will appear dark or black. Assume all such material contains phosphorus and will resume burning if the coating layer is cracked. Dispose of such material to minimise fire hazard.
- f. When phosphorus particles have been coated and removed, treat the burn as a thermal burn, but, unless surgical debridement has been done, assume that some phosphorus may still be present in the tissues. Treat for pain and shock as indicated.
- g. **NEVER** apply gauze impregnated with copper sulphate as a dressing and **NEVER** wet the dressings with cupric sulphate (CuSO<sub>4</sub>) solution. Serious and possibly fatal injury can result from absorption of cupric sulphate (CuSO<sub>4</sub>).
- h. When the patient is transferred to another facility, be certain to inform the receiving facility of the nature of the injury and of the treatment performed.
- i. Hospitals receiving victims of white phosphorus injury should have plans which will provide for the early surgical debridement of wounds involving white phosphorus and for disposal of removed phosphorus particles without fire hazard to the hospital.

(156/51/212)

**139/75—Will Not Be Issued****Section 2****PERSONNEL**

## UNCLASSIFIED

**140/75—Effects of Absentees and Patients Dispatched to Hospital**

1. When an officer or sailor has been reported absent or dispatched to hospital, the Commanding Officer is to cause all the clothes and other effects of the officer or sailor to be mustered by:

- a. two officers, in the case of an officer; or
- b. the senior regulating sailor and a member of the same mess, in the case of a sailor.

Personnel carrying out the muster are to prepare and sign an inventory of effects in duplicate on Form FN136. The inventory is to include any cash found amongst the effects. Should there be no effects, a Form FN136 showing 'NIL' is to be completed and signed by the mustering personnel. All the effects (except as directed in later clauses) are to be suitably packed and labelled in the presence of the mustering persons with the name, rank and personal number of the owner. Any soiled clothing is to be cleaned before packing. If for hygiene reasons any clothes or effects should not be retained, they are to be destroyed and an appropriate notation made on the inventory. Care is to be taken that no money is left in wallets or clothing.

2. Any official documents, loan clothing, flying clothing, mess traps or other stores (eg, binoculars, watches) found with the effects are to be removed and taken on charge by the Supply Officer and a notation made on the list. For disposal of flying log books of absentees, *see* RI Article 6145.

3. If any firearms or ammunition are found among the effects, those which can be identified as Service property are to be returned to store. Instructions on the disposal of private firearms and ammunition are to be sought from the Administrative Authority in the case of absentees and the owners in the case of persons discharged to hospital.

4. Personal cheque books, bank books, uncashed cheques, cash and private articles of value such as watches, binoculars, cameras, cigarette cases and jewellery, are to be shown on a separate Form FN136. Serial numbers and amounts of any insurance policies, bank books and uncashed cheques, are to be shown and the name and the address of the bank and the name of the drawer of each cheque is to be stated. These effects, other than cash, are to be packed and sealed in the presence of the mustering persons. Cash is to be dealt with as provided in Paragraphs 5, 6 and 7.

5. Cash and those private papers and valuables of officers and sailors as described in Paragraph 4, and all the other effects of an officer, are to be delivered to the Supply Officer for custody. Other effects of sailors are to be kept in the custody of the senior regulating sailor. Cash is to be kept separate from public funds.

6. The certified inventories of the effects of an officer or sailor are to be delivered to the Supply Officer. The Supply Officer is to complete the Forms FN136 by inserting the amount of cash kept for safe custody. The forms are to be signed by the Supply Officer and passed to the Captain for approval.

7. When no Supply Officer is borne, two copies of the inventory on Form FN136 together with the cash found in effects, the other effects of officers and private papers and valuables of sailors are to be delivered to the Commanding Officer for safe custody. The Commanding Officer is to complete the FN136 by inserting the amount of cash kept for safe custody.

#### **Disposal of Effects—Absentees**

8. Effects of absentees may be retained on-board, or in the case of sailors, forwarded to the nearest baggage store for storage. In the case of officers, advice of the administrative authority is to be sought before disposal. Effects (including cash and articles of value) forwarded for storage, are to be accompanied by the inventory of effects (Form FN136) which is to be acquitted each time custody is transferred. When in storage, cash and articles of value are to be kept in safe custody by a responsible officer.

#### **Disposal of Effects—Hospitalisation Cases**

9. Effects (including cash and articles of value) of patients dispatched to hospital, are to be accompanied by the inventory of the effects (Form FN136) which is to be acquitted each time custody is transferred. The patient is to sign Form FN136 when

the effects are received. Should a patient be able to pack his effects before being dispatched to hospital, he is to sign a statement that all his effects including cash and articles of value, are in his possession. The statement is to be retained by the senior regulating sailor.

10. Regulations and Instructions for the RAN, ABR 5016, will be amended.

(125/1/207)

## **UNCLASSIFIED**

### **141/75—Naval Police Structure and Conditions of Entry and Service Conditions of Eligibility for Entry**

#### **Transfers from Other Branches**

1. Applications for transfer to the Naval Police will be accepted from sailors of any category meeting the following conditions of eligibility:

- a. Have completed a minimum of six years naval service after attaining the age of 18 years.
- b. Hold rank not lower than the Able Rank level.
- c. Have three years continuous 'Very Good' conduct immediately preceding date of recommendation.
- d. Are recommended by their Commanding Officer.

2. To warrant recommendation a candidate must have:

- a. a high degree of loyalty to the Service;
- b. complete honesty and probity of character;
- c. good sense of discipline and power of command; and
- d. good physique and smart appearance.

3. Applications are to be forwarded to Department of Defence (Navy Office). The sailor's preference of locality for Naval Police service is to be stated in the application. To prevent administrative delays in processing applications a medical examination in accordance with ABR 1991, Article 0716, is to be completed as soon as the application is made. The dispatch date of Form PM149 is to be included in the letter of application.

#### **Entry from Shore**

4. Ex-sailors who meet the following conditions may apply to enter the Naval Police from shore as Recruit Constables:

- a. Completed a minimum of six years service in the RAN, RN or RM after attaining the age of 18 years.
- b. Have not been discharged from naval service in excess of five years.
- c. Held rank on discharge not lower than the Able Rank level.
- d. Held a conduct assessment of 'Very Good' for the three years immediately preceding discharge.

#### **Suitability Assessment**

5. Transferees and entrants from shore will be interviewed by a Naval psychologist and where practicable by a Naval Police Officer to assess their suitability. This will be arranged by Navy Office for serving personnel and by the Recruiting Staff Officer for applicants from shore.

6. Since Naval Police duties involve dealing with naval and civilian personnel and the general public, and are mainly of a continuous watchkeeping nature, factors influencing a candidate's suitability will include possession of the qualities of tact, discretion and initiative, and freedom from compassionate problems requiring his presence at home at night.

#### Medical Fitness

7. Applicants must conform to the same physical standards as for other branches of the Permanent Naval Forces but with a minimum height of 170 cms.

#### Structure and Conditions of Service

8. The Naval Police category is composed of the following ranks:

Rank	Relative Rank
Superintendent .. ..	Commander SD
Chief Inspector .. ..	Lieutenant Commander SD
Inspector .. ..	Lieutenant SD
Sub-Inspector .. ..	Sub-Lieutenant SD
Warrant Officer .. ..	Warrant Officer
Sergeant .. ..	Chief Petty Officer
Senior Constable .. ..	Petty Officer
Constable .. ..	Leading Rank
Recruit Constable .. ..	Able Rank

#### Initial Training

9. Successful candidates will undergo the Naval Police New Entry Training Course in HMAS KUTTABUL as soon as practicable after entry or transfer. In addition, transferees or entries from the Able or ex-Able Rank who have not previously passed Parts 1 and 2 of the Command Test for the Leading Rank will be required to do so before being promoted to the rank of Constable.

10. Whilst on course, transferees from other Branches will retain their existing rank, pay and uniform. Recruits from shore will enter as Recruit Constable and will wear civilian dress.

#### Promotion or Recategorisation to Constable

11. On successful completion of the New Entry Training Course, and provided a pass or exemption in Command Test Parts 1 and 2 for Leading Rank has been obtained, trainees will be promoted to, or recategorised Constable and will undergo a six months period of on job training, on completion of which, those whose performance of duty and aptitude indicate that further training will not fit them for the duties undertaken by members of the Naval Police Branch will be:

- in the case of those transferred from another category on completion of an engagement—discharged 'Unsuitable', or subject to the manpower requirements of their former category, given the option of reverting to that category for the remainder of their engagements;
- in the case of those transferred from another category during an engagement—discharged 'Unsuitable' or, subject to the manning requirement of their former category, reverted to that category;
- in the case of those entered from shore—discharged 'Unsuitable', or if considered suitable given the option of transfer to another category where there is a manpower requirement.

#### Pay and Seniority

12. Seniority in rank and for pay purposes will be determined by actual service in the Naval Police irrespective of previous naval service. On entry from shore as Recruit Constable, the rate of pay applicable to the Able Rank at skill level 3 is payable. Transferees from other categories will retain pay in accordance with their existing rank and category until completion of the New Entry Training Course. On promotion/recategorisation to Constable, the rate of pay applicable to the Leading Rank at skill level 3 is payable.

#### Specialist Skills

13. Opportunities are available for members who display initiative and aptitude to undertake further training in the specialist areas in which Naval Police operate, eg, investigation and fire prevention.

#### Promotion

14. Conditions of eligibility for promotion to Senior Constable, Sergeant and Warrant Officer, are aligned with those for promotion to corresponding ranks in other categories, and are as laid down in ABR 10.

#### Postings

15. Members are liable for service within or beyond the limits of the Commonwealth. As far as practicable, postings are arranged so that a member serves at an establishment in his preference locality. A list will be maintained in Navy Office of volunteers for all areas where Naval Police are borne. Postings will normally be made from this list after taking into consideration the experience of the volunteer in relation to the type of billet to be filled. Where no suitable volunteers are available, postings will be issued after first taking into consideration the requirements of the Service and secondly, any personal inconvenience which would be involved.

#### Victualling and Accommodation

16. Naval Police Constables will be victualled and accommodated in the Petty Officers messes.

#### Effect of New Structure on Existing Personnel

17. With effect from 18 April 1973 existing Naval Policemen translated to the new structure as follows:

Existing Rank	New Rank
Constable (irrespective of seniority) ..	Constable
Sergeant 2nd Class .. ..	Sergeant
Sergeant 1st Class .. ..	Sergeant
Warrant Officer .. ..	Warrant Officer

18. Constables who, on 17 April 1973 were in receipt of the rate of salary equivalent to Leading Rank (Level 3) remained eligible to progress to, and proceed up, the incremental scale applicable to the Petty Officer Rank under the conditions applicable prior to the date of the Branch Restructure.

19. Constables who on 17 April 1973 were in receipt of rates of salary equivalent to Petty Officer and who were not promoted to Senior Constable retained their entitlement to those rates (ie, the rates of pay applicable to a Senior Constable under the new structure) and to proceed up the incremental scale prescribed for a Senior Constable in the normal manner. This progression continues after promotion to Senior Constable.

20. Sergeants 2nd Class continued to receive rates of salary equivalent to Chief Petty Officers whilst Sergeants 1st Class not promoted to Warrant Officer retained eligibility to receive the 'on promotion' rate of salary applicable to the Warrant Officer rank.

21. Aggregate seniority in the ranks of Sergeant 1st and 2nd Class will be recognised for the purpose of promotion to Warrant Officer.

22. As an interim measure, Constables serving on 1 January 1973, who are subsequently promoted to the new rank of Senior Constable will be permitted to count seniority in the rank of Constable and Senior Constable as a prerequisite for promotion to Sergeant. This interim measure will remain until 31 May 1976 when only those Constables fully qualified for promotion to Senior Constable will retain this entitlement.

23. All Constables and Senior Constables who passed Section One, Parts One or Two of the Command Test for Petty Officer or Chief Petty Officer in their former categories, will be awarded a 60 per cent pass in those parts unless documented evidence of actual percentages obtained can be produced.

#### Duties and Responsibilities

24. The duties and responsibilities of the Naval Police are contained in RI Chapter 57.

25. All relevant books of reference will be amended in due course.

26. Navy Order 158/73 is hereby cancelled.

(331/1/67)

(Navy Order 158/73)

#### UNCLASSIFIED

##### 142/75—Sailors Posted for Diving Courses

1. Diving is a strenuous activity requiring a high degree of physical fitness, particularly in the case of trainees without previous experience. The fact that a sailor has passed a medical examination for fitness for diving does not ensure that he will be at his physical best at the start of the course.

2. Commanding Officers should select and notify personnel for diving courses as early as possible before the start of the proposed course. In the interim period, the ships Diving Officer is to encourage and supervise the selected sailors in a program of a planned physical activity and he is to impress upon them the importance of maintaining a high physical standard in preparation for their courses.

3. Navy Order 157/72 is hereby cancelled.

(303/221/97)

(Navy Order 157/72)

#### UNCLASSIFIED

##### 143/75—Sheila McClemons' Trophy

1. The Sheila McClemon's Trophy awarded annually for competition for efficiency in Naval establishments where members of the WRANS are serving, has been awarded for 1974 to the WRANS Unit at HMAS CERBERUS.

2. Navy Order 129/74 is hereby cancelled.

(138/6/43)

(Navy Order 129/74)

#### Section 4

#### EQUIPMENT, STORES AND SERVICING

#### UNCLASSIFIED

##### 144/75—Foodstuffs—Change to Metric Packs—Accounting Units

1. The Fixed Issuing Price List operative from 1 January 1975, introduced a number of changes in accounting units for items of dry and fresh provisions that are now purchased or repacked in metric packs. Additionally, provision has been made for the use of either metric or imperial accounting units for a range of items of fresh provisions for which there is not as yet uniformity, as between the various States, in the basis of invoicing. The items concerned are listed in Annexe A.

2. The following factors are to be used when it is necessary to convert remaining stocks or receipts from outside sources from imperial units to metric units:

- Commodities in pounds: Convert to kilograms at the rate of 1 pound equals 0.454 kilograms.
- Commodities in gallons: Convert to litres at the rate of 1 gallon equals 4.55 litres.

The resultant product of conversion to metric is to be taken to one decimal place only.

3. The approved descriptions for all items will be promulgated in ABR 5074 in due course.

4. Navy Order 188/73 is hereby cancelled.

#### ANNEXE A

##### Dry Provisions

Class	Catalogue No	Description	Old Unit	New Unit
8920	66-080-0207	BREAD MIX, 25 KG .. .. .	LB	KG
8920	66-080-0208	CAKE MIX, CHOCOLATE, 25 KG .. .. .	LB	KG
8920	66-080-0211	CAKE MIX, ORANGE, 25 KG .. .. .	LB	KG
8920	66-080-0212	CAKE MIX, VANILLA, 25 KG .. .. .	LB	KG
8920	66-080-0213	DOUGHNUT MIX (SWEET DOUGH), 25 KG	LB	KG
8920	66-080-0214	DOUGHNUT MIX (NOT YEAST RAISED), 25 KG	LB	KG
8920	66-080-0216	PANCAKE MIX, 25 KG .. .. .	LB	KG
8920	66-080-0220	PUDDING MIX, CHOCOLATE, 25 KG .. .. .	LB	KG
8920	66-080-0221	PUDDING MIX, GINGER, 25 KG .. .. .	LB	KG
8920	66-080-0222	PUDDING MIX, ORANGE, 25 KG .. .. .	LB	KG
8920	66-080-0223	PUDDING MIX, VANILLA, 25 KG .. .. .	LB	KG
8920	66-080-0224	SCONE MIX, 25 KG .. .. .	LB	KG
8920	66-085-5532	BARLEY, PEARL (3.5 KG) .. .. .	LB	CN
8920	66-085-5534	CORNFLOUR (3 KG) .. .. .	LB	CN
8920	66-085-5535	FLOUR, PLAIN (12 KG) .. .. .	LB	KG
8920	66-085-5538	RICE, MILLED (17 KG) .. .. .	LB	KG
8925	66-026-1182	GOLDEN SYRUP .. .. .	LB	KG
8925	66-085-5533	COCONUT, DESICCATED (1.75 KG) .. .. .	LB	CN
8925	66-085-5536	SUGAR, REFINED (19 KG) .. .. .	LB	KG
8925	66-085-5537	SUGAR, REFINED, CASTOR (30 KG) .. .. .	LB	KG



## ANNEXE A—continued

Class	Catalogue No	Description	Old Unit	New Unit
8925	66-085-5541	SUGAR, REFINED, ICING (750 G) ..	LB	KG
8945	66-028-2103	OIL, PEANUT .. .. .	GL	LI
8950	66-025-8999	SALT, FINE .. .. .	LB	KG
8950	66-025-9738	SALT, TABLE (500 G) ..	LB	PZ
8950	66-080-0272	POWDER, BAKING .. ..	LB	KG
8950	66-080-5539	PEPPER, BLACK, GROUND (500 G) ..	LB	CN
8950	66-085-5540	POWDER, CURRY (500 G) ..	LB	CN
8950	66-085-5542	MUSTARD, GROUND (500 G) ..	LB	CN
8950	66-085-5543	SPICE, MIXED (500 G) ..	LB	CN

## Fresh Provisions

BREAD .. .. .	LB	KG
BREAD, SLICED AND WRAPPED ..	LB	KG
CHEESE .. .. .	LB	KG
MARGARINE—CAKE OR PASTRY ..	LB	KG

## Fresh Provisions which may be Accounted for in either Imperial or Metric Units

ICE CREAM—BULK .. .. .	GL	LI
FRUIT SALAD, QUICK FROZEN .. ..	LB	KG
MEATS—FRESH AND FROZEN .. ..	LB	KG
SAUSAGES .. .. .	LB	KG
SMALLGOODS AND SUNDRIES .. ..	LB	KG
VEGETABLES, QUICK FROZEN .. ..	LB	KG

(901/52/17)

(Navy Order 188/73)

## UNCLASSIFIED

## 145/75—Introduction of Facility to Demand Stores on 'Fill or Kill' Basis

1. The facility has been developed by which stores can be demanded on a 'Fill or Kill' basis whenever this is considered appropriate.

2. 'Fill or Kill' demands can be submitted by demanding authorities by insertion of code '3' in the Due Code block of Forms SX38 and SX39 for items 'on EDP' and by insertion of the notation 'Fill or Kill' in the remarks box of Forms SX38, SX39 and SX40 for items 'not on EDP' and on Forms SX40 for items 'on EDP' when EDP is by-passed.

## Stores 'On EDP'

3. For items 'on EDP' this will result in either an issue voucher being sent to the appropriate supply depot or cancellation of the demand. If the demand is cancelled (or killed) a Deferred Supply Advice will be forwarded to the demanding authority showing zero quantity due out. It should be noted that these 'Fill or Kill' demands are subject to the same re-reference and reject action that applies to all other demands and will be rejected if an error is made in preparation.

## Stores not 'On EDP'

4. 'Fill or Kill' demands for stores not 'on EDP' will be progressed in the normal manner by the depot concerned except that if stock is not immediately available to meet the requirement, dues out will not be recorded and the demand will be rejected in accordance with ABR 4 Article 0610.3.

## Ships Subject to SOAP

5. As from the date of this order all demands generated by SOAP will be 'Fill or Kill'. The agreement of the officer-in-charge SOAP is to be obtained should it be necessary to vary the 'Fill or Kill' facility.

6. ABR 4 and ABR 5153 will be amended.

(N383/1/5)

## Section 5

## BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

## UNCLASSIFIED

## 146/75—Information Concerning and Distribution of Publications and Amendments Managed by Executive Officer Publications, Sydney—February 1975

1. The Annexe lists publications and amendments distributed, declared obsolete, superseded, etc, during February 1975.

2. Allowances for ships and establishments, as distinct from gratuitous and repayment issues will be issued without demand by the Publications Authority, Garden Island, NSW, in accordance with an approved scale and automatic updating is provided.

3. Holders of basic publications are reminded that only those issues recorded on NAVPUB will be updated without demand (Navy Order 158/74 refers).

4. Changes issued to publications held as advance copies or to publications not on general distribution are not reflected in Navy Orders.

## Gratuitous Issues

5. Where it has been decided that a gratuitous or personal issue of a publication will be made, a Navy Order detailing the basis of issue and the personnel concerned, and instructing ships and establishments to obtain their requirements, for this purpose, through their Supply Officer will be promulgated.

6. Supply Officer should place demands on the Publications Authority, Garden Island, NSW, for the total number of copies required in their respective ship or establishment, on Form SO150 (Navy Order 236/74 refers), stating the reason for the requirement and quoting the relevant Navy Order. The publications are to be accounted for by the Supply Officer in accordance with ABR 4, Article 1301 and Article 2512.

7. Automatic updating is not provided for copies of publications on gratuitous issue and demands for updating should be placed on the Publications Authority, Garden Island, NSW, upon notification of its availability in Navy Orders. Form SX40 should be used for demanding changes and the form should clearly state 'Required for amending Personal Issue Copies'.

## Repayment Issues

8. If it has been approved that a publication should be made available from Departmental stocks for sale to certain categories of personnel, a Navy Order will be promulgated detailing the basis of issue and the rate to be charged to personnel concerned.

9. Supply Officers should place demands on the Publications Authority, Garden Island, NSW, for the copies required, on Form SO150 quoting the reason for requirement and the relevant Navy Order. The publications are to be accounted for by the Supply Officer in accordance with ABR 4 Chapters 13 and 25.

10. Automatic updating is not provided for copies of publications issued on repayment, and demands for updating should be placed on the Publications Authority, Garden Island, NSW, upon notification of its availability. Again Form SX40 should be used for demanding these changes and the form should clearly state 'Required for amending Repayment Issue Copies'.

11. Issues, etc, of periodicals and magazines are not included in monthly Navy Orders.

## ANNEXE A

## Initial Issue of Basic Publications to Approved Holders

Publication No	Title	Edition
AAP 7045.002-1 ..	Electronic Wiring, Installation Practices for Aircraft ..	73
AAP 7272.434-3M ..	HS 748 Propellor Brake ..	72
AAP 7531.092-3M ..	Alerting Systems Servo Altimeters (Type 3B Altimeter) Altitude ..	73
AAP 598 ..	The Airforce List ..	74
ABR 5186 ..	26 ft Harbour Personnel Boat Operating Manual ..	—
APL 92601775 ..	KWL-4A-TSEC ..	74
AP RAN 8BV7 ..	Technical Maintenance Plan—Wessex Helicopter ..	74
AP RAN 19V7 ..	Technical Maintenance Plan—IROQUOIS Helicopter ..	74
AP RAN 500V7 ..	Skyhawk Technical Maintenance Plan ..	74
AP RAN 600V7 ..	Technical Maintenance Plan—Tracker/Aircraft ..	74
AP 1086 ..	RAAF Catalogue of Equipment—Microfilm ..	75
AP 108D-0001-4FN ..	Inspection Safety Harness, General Information, Before Flight/Issue ..	72
AP 108E-0001-4FN ..	Inspection, Gen Info. Liferrafts and Assoc'd Equipt. Before Flight/Issue ..	72
AP 108F-0001-4FN ..	Before Flight/Issue Inspection Flying Clothing and Assoc'd Equipt. Survival ..	72
AP 108G-0001-4FN ..	Before Flight/Issue Inspection Air/Sea Rescue Airborne Equipt. Gen. Info. ..	72
AP 113D-1120-16 ..	D2200 Series Solenoid Switches (ROTAX) ..	66
AP 113E-03169-16 ..	LD 1005 Form 20/1, DAG Form A/1 Motor Rotax and Gear-box ..	71
AP 114E-1500-3AN ..	AN/APN-97A Radar Navigation Set Sched. Spare Parts ..	74
BR 320FV3 ..	List of S/Seded and re-referenced Naval Stores ..	74 Apr.
BR 2319 ..	H/Bk for NSN 6625-99-926-6065 TDMS 6ABV3, NSN 6625-99-920-6064 TDMS 6BV3 ..	1961
BR 2544 (1) (B and C) ..	H/Bk for Medium Range System MK3 Mod 1 and Mod 1A Pt (B) Cat. of Tryomation Pt 1 (c) System Gen. Tryomations ..	73
BR 2544 (5) (C1) ..	H/Bk for Medium Range System MK3 Mod 1 Pt 5CV1 ..	71
BR 2544 (5) (C2) ..	H/Bk for Medium Range System MK3 Mod 1 Pt 5V2 System Test Records ..	71
MBR 9783 ..	Aust. Military Forces, Aust. Services List of Food Preparation and Serving Equipment ..	74 Sept.
NAOO-35QB-177 ..	S-2D and S-2E Aircraft, Aircraft Maint. Pts for, NAVAIR Initial Outfitting List ..	74

## ANNEXE A—continued

Publication No	Title	Edition
NAOO-35QG-016 ..	Consumable General Support Equipt. for all Types, Classes and Models of Aircraft, NAVAIR Allowance List ..	74
NAOO-35QH-2 ..	Flight Operational Material for Aircraft Squadrons, NAVAIR Allowance List ..	74
NA 01-40AVD-6-1 ..	TA-4F/TA-4J Aircraft, Turnaround/Serviceing Maint Rqmts Cards ..	74
NA 03-110DAA-19 ..	Fuel Pump Assy, Gear Type with Booster, O/haul Instructions ..	74
NA 03-110DAA-20 ..	Fuel Pump Assy Gear Type W/Booster, IPB ..	74
NA 03-25EE-517 ..	Strut Assy Shock, Main Landing Gear Douglas O/haul Instructions W/PB Basic DTD 6/15/69 ..	74
NA 03-30CY-601 ..	Cylinder Assy Nose Gear Door Actuating Douglas O/haul Instructions W/PB ..	74
NA 05-20NA-18 ..	Computer, Air Data Servomechanism, IPB ..	73
NA 11-75AA-44 ..	Dispenser, Parachute Flare SUU-44/A Organizational and Intermediate Maint Insts W/IPB ..	71
NA 13-1-6-2-518 ..	NES-12C Personnel Parachute Assy Shop Process Cards ..	73
NA 16-30APN141-2 ..	Altimeter Set, Electronic AN/APN-141-V, O/haul Instrs ..	74
NA 16-30ARM31-501 ..	Test Set indicator, AN/ARM-31, Oper and Serv Instrs W/IPB Basic dtd 1-1-65 W/Chgs thru 11-1-69 ..	73
NS 0967-428-7010 ..	TM for Power Supply PP-6099A/APX-72 ..	74
TB 43-0001-2-2 ..	Rotary Wing Aircraft, Equipt. Improvement Report and Maint Digest for ..	74
TEM-5825-001-1 ..	Satellite Navigation Equipt Computer 2100A Inst. and Maint Manual ..	—
TEM-5825-001-2 ..	Satellite Navigation Equipt. Computer 2100A IPB Manual ..	—
TEM-5825-001-3 ..	Satellite Navigation Equipt. Computer 2100A Diagrams Manual ..	—
TEM-5825-001-4 ..	Satellite Navigation Equipt. Teleprinter 2752A OP/Service Manual ..	—
TEM-5825-001-5 ..	Satellite Navigation Systems Magnavox Op/Manual Computer Diagnostics ..	73
TEM-5825-001-6 ..	Satellite Navigation Systems Magnavox Tech/Manual Op/Service for MX702A ..	73
TEM-5825-001-7 ..	Satellite Navigation System Magnavox Tech/Manual Op/Service for MX702/HP ..	73
TEM-5825-001-8 ..	Satellite Navigation System Magnavox Wiring Manual MX702 Satellite Navigation Set ..	73
TEM-5825-001-9 ..	Satellite Navigation Systems Magnavox Op/Service Manual Integrated Speed and Heading Interface ..	74
TEM-5825-001-10 ..	Satellite Navigation Systems Magnavox Op/Service Manual Integrated 4-channel Multiplexer and Synchro to Digital Converter ..	73
TEM-5825-001-11 ..	Satellite Navigation Systems Magnavox Op/Service Manual Integrated Crt Display Driver Interface ..	73
TEM-5825-001-12 ..	Satellite Navigation Systems Magnavox Op/Service MX702 Satellite Survey and Lever Punch ..	73
TEM-5825-001-13 ..	Satellite Navigation Systems Magnavox Op/Service Manual MX702 Satellite Survey 3D Program ..	72
TEM-5825-001-14 ..	Satellite Navigation Systems Hewlett Packard Op/Service Manual 2748A Tape Reader ..	73
TEM-5825-001-15 ..	Satellite Navigation Systems Hewlett Packard Op/Service Manual Model VM502 Video Monitor ..	—

ANNEXE A—continued

Publication No	Title	Edition
TEM-5825-001-16 ..	Satellite Navigation Equipt (SHIB A Electric Co. Ltd) Op/Manual Model VM-502 Video Monitor	—
TEM-5825-001-17 ..	Satellite Navigation Systems Hewlett Packard Op/Service Manual Tape Reader Interface Kit	73
TEM-5825-001-18 ..	Satellite Navigation Systems Hewlett Packard Op/Service Manual Micro Circuit Interface Kits	74
TEM-5825-001-19 ..	Satellite Navigation Systems Hewlett Packard Op/Service Manual Buffered Teleprinter Interface Kit	74
TEM-6625-0007 ..	Technical Manual for Digital Data Distortion Test Set Model AES-3	73
UW54D/E2471 SER IE	Equipment and Spares List—Torpedo Control Systems Submarines (TCSS)	—

ANNEXE B

Amendments Issued to Recorded Holders of Publications

Publication No	Amendment/Change
AAP-ABO-SA .. .. .	A 25
AAP-ABO-SE .. .. .	E 53, Iss 897
AAP-ABO-SF .. .. .	F39, F40, F41, F42
AAP-ABO-SH .. .. .	H 13
AAP-ABO-SN .. .. .	N1/75, N17/74, N18/74, N2/75
AAP-ABO-ST .. .. .	T37, T38
AAP-1125, V1, V2, V3 ..	26
AAP-382E5 .. .. .	1, 2, 3
AAP 7000-001-1 .. .. .	2
AAP 7000-002-1B1 .. .. .	SCP 022, SCP 023, SCP 024
AAP 7003-003-1 .. .. .	2
AAP 7111-009-3-1 .. .. .	16, 17, 18
AAP 7172-003-3 .. .. .	4
AAP 7198-001-100 .. .. .	2, 3, 4, 5, 6, 7, 8
AAP 7210-010-100 .. .. .	17
AAP 7211-005-100 .. .. .	124
AAP 7211-015-3-1 .. .. .	5
AAP 7211-015-3-2 .. .. .	5
AAP 7212-001-100 .. .. .	231
AAP 7212-001-2-8 .. .. .	19
AAP 7212-001-6-15 .. .. .	7
AAP 7212-001-6-6 .. .. .	6
AAP 7221-001-99 .. .. .	102
AAP 7221-005-3M .. .. .	40, 41, 42, 43
AAP 7293-027-3M .. .. .	9, 10
AAP 7293-052-3 .. .. .	6
AAP 7293-053-3 .. .. .	6
AAP 7293-056-3 .. .. .	6
AAP 7294-015-3M .. .. .	15

ANNEXE B—continued

Publication No	Amendment/Change
AAP 7415-042-3 .. .. .	3
AAP 7434-068-3M .. .. .	5, 6
AAP 7453-014-3M .. .. .	3
AAP 7511-015-3M .. .. .	5
AAP 7513-017-3M .. .. .	5
AAP 7524-030-3 .. .. .	2, 3
AAP 7530-006-3 .. .. .	1
AAP 7531-092-3M .. .. .	1
AAP 7531-093-3M .. .. .	2, 3
AAP 7534-038-3M .. .. .	5
AAP 7630-012-2 .. .. .	2
AAP 7635-048-2 .. .. .	1
AAP 7831-038-2M .. .. .	2
AAP 996-29 .. .. .	2
AAP 996-106 .. .. .	8
ABR 155 .. .. .	4
ABR 540 (4) P5E/1 .. .. .	3
ABR 540 (4) P5E/2 .. .. .	3
ABR 5020 .. .. .	9
ABR 5168 .. .. .	4
AP RAN 140E3 .. .. .	26, 27
AP RAN 2099 .. .. .	18, 19
AP RAN 2100 .. .. .	55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69
AP RAN 9B, V6, Pt 2A, 34A ..	93, 94
AP 1181V2 .. .. .	246
AP 1275GV2P1 .. .. .	264, 265
AP 1464B V1 .. .. .	225
AP 1803V2 .. .. .	F185 and AL1, B90, F184-AL2, V144, V147
AP 1803EV1 .. .. .	AIL 1/74
AP 2173DV1V6.. .. .	10
AP 3158V2E2 .. .. .	537
AP 3456D .. .. .	22
AP 4340V1B2 .. .. .	128
AP 100Z-0201 .. .. .	CL 9/74
AP 101C-0401-4A3 .. .. .	AIL 1/74, AIL 2/74
AP 101C-0401-6B .. .. .	39
AP 102C-0708-1 .. .. .	18, 19
AP 105B-0757-16 .. .. .	1
AP 106C-0403-16A .. .. .	2
AP 108D-0003-1 .. .. .	4
AP 108D-0109-1 .. .. .	4
AP 108E-0002-1 .. .. .	4
AP 108E-0303-5FN .. .. .	6, 7
AP 108E-0519-5F .. .. .	6, 7
AP 108F-0202/3-6 .. .. .	7
AP 108G-0001-5FN .. .. .	3
AP 109C-0104-1 .. .. .	6
AP 110B-0107-15NQ .. .. .	1, 2
AP 110C-0102-125Q .. .. .	2

ANNEXE B—continued

Publication No	Amendment/Change
AP 110F-0301-1	2
AP 110G-0402-125F	9
AP 112T-01110-1	5
AP 113A-0308-1	4, 5
AP 113B1E12	45
AP 113B4E12	74
AP 113D-0011-6	56
AP 113D-1605-1	4
AP 113D-1811-1	1
AP 113D-1823-1	1
BR 1	Add M007, M008
BR 4	31
BR 121 (2)	Sup Aug. 74
BR 125	CLSL-AO
BR 268 (3) B	12
BR 268 (58)	6
BR 320D Electric	GCO624
BR 320D General	GCO241, GCO475
BR 320 Weapons	GCO841
BR 320FV3	Sup July 74
BR 664	90
BR 888D	6
BR 935 (4)	4, 5
BR 1030 (2)	8
BR 1111	14
BR 1156	21
BR 1203 (1)	7, 8
BR 1921	6
BR 2101 (1)	33
BR 2101 (3)	16
BR 2101 (4)	22
BR 2112 (2)	15
BR 2139 (3) A	1, 2, 3, 4, 5, 6, 7, 8
BR 2317 (1)	12
BR 2500 (5)	55
BR 2501	9, 10
BR 2523 (6)	3
BR 2523 (9)	4
BR 2525 WP88500/12	1
BR 2551	5
BR 2937	3
BR 3100	19, 20
BR 3109	12
BR 3321	11
BR 3428	14
BR 4050 (2)	19
BR 4257 (2)	21
BR 4500 (701)	3
BR 4511 (2)	3, 4, 5, 6
DGS/TP/1028	5
ELIST-E1483	2
JSP (AS) 102	8

ANNEXE B—continued

Publication No	Amendment/Change
MBR 8074	Sup 010, Sup 011, Supp-011
MBR 8868	1
MISC PUB 0031	Rev Sup 6
NA 00-35-QB-185	1
NA 00-35-QZ-46	1
NA 01-40AVC-2-2	RAC 001
NA 01-40AVC-2-2-1	741201
NA 01-40AVC-2-6	RAC 001
NA 01-40AVC-2-7-1	740715
NA 01-40AVC-3	740901
NA 01-40AVC-6	1
NA 01-40AVD-1	740401
NA 01-40AVD-1B	740401
NA 01-40AVD-2-1	RAC 005
NA 01-40AVD-2-2-2	RAC 009
NA 01-40AVD-2-2-4	RAC 005
NA 01-40AV75-16	2
NA 01-85SAD-2-1	1
NA 01-85SAD-2-2	740901
NA 01-85SAD-2-3	740901
NA 01-85SAD-2-6	740901
NA 01-85SAD-2-7	740901
NA 01-85SAD-2-8	1
NA 01-85SAD-2-9	740901
NA 01-85SAD-2-10	740901
NA 02-10DAA-4	6
NA 02-10DAA-6-1	16
NA 03-10-513	ERR
NA 03-100-502	740901
NA 03-110ACB-5	4
NA 03-30AK-581	RAC 001
NA 03-5GCA-506	AMDT 7410
NA 05-20NA-17	2
NA 05-20NA-20	731009
NA 11-1F-2	1
NA 11-5A-17	RAC 015, RAC 016
NA 11-70 FFD-3	RAC 001
NA 16-30APX64-3	11
NA 16-30URM101-2	1
NA 17-15BC-7	1
NS 323-0080-1	RAN 001
NZBR 23V1	73, 74
OP 3417	2, 3, 4
OP 3418	5, 6
OP 3419	7
OP 3420	2
TSD 594	TL180

ANNEXE C

Publications Obsolete or Superseded

Publication No	Title	Remarks
BR 1971	Visual Signalling and Equipt. H/Bk	Superseded by BR 222 (2 and 5)
BR 575 (5)	Microphones and Associated Apparatus	Superseded by BR 4567 (601)
NS 0967-037-2230	Countermeasures Receiving Set AN/WLR-1 FC-16-1A, FC5-1B, FC6	Obsolete

Publications out of Stock

Publication No	Title
BR 2525 WP88306/02	MRS3 Predictor MK7 Mod 0
BR 2525 WP88890/01	Windgear, Anemometer and Wind Vane
BR 2525 WP88890/02	Windgear Re-transmission Unit

(465/61/228)

(Navy Orders 158/74 and 236/74)

AMENDMENTS

UNCLASSIFIED

147/75—Stores—Demands on Non-EDP Depots

Navy Order 114/74 as amended by Navy Order 390/74 is to be further amended as follows:

a. Paragraph 9b.:

Delete existing paragraph.

Insert new paragraph as follows:

'Demands for items which are not shown in ABR 5074C, with the exception of demands input as the result of a SOAP program or First Outfit New Construction Demands, are to be prepared on Form SX40 using Form SX144 as well where appropriate.'

b. Insert new Paragraph 9e. as follows:

'For items not appearing in ABR 5074C, input as the result of a SOAP Program or First Outfit New Construction storing program, the Form SX20 is to be recognised as the accepted issue voucher.'

(181/6/31)

(Navy Order 114/74)

Navy Orders 73/72 to 133/72 are now over three years old and may be disposed of accordingly.

## MEMORANDUM

DATE: 10/15/54

TO: SAC, NEW YORK

SUBJECT: [REDACTED] - [REDACTED]

Reference is made to New York letter to Bureau dated 10/14/54 and Bureau letter to New York dated 10/15/54.

It is noted that the Bureau letter to New York dated 10/15/54 is being handled as a matter of internal security.

The Bureau letter to New York dated 10/15/54 is being handled as a matter of internal security.

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Historian

ANO 148/75



# AUSTRALIAN NAVY ORDER

Navy Office, Canberra,  
3 June 1975.

The enclosed order is promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

AUSTRIAN  
NAVY OFFICE

Additional copies of Navy Orders may be readily obtained by:

- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 4718.

SECTION 4  
EQUIPMENT, STORES AND SERVICING

CONTENTS

148/75—Lifting Appliances on HMA Ships (Excluding Submarines) Tests Maintenance and Periodic Inspections

1. This order contains the instructions for the testing, maintenance and periodic inspections of lifting appliances on HMA ships (excluding submarines) and is intended to ensure that these appliances are maintained in a safe and efficient condition. It applies to all HMA ships (excluding submarines) and to all lifting appliances (excluding those on submarines) on board these ships.

2. This order is intended to be read in conjunction with the following orders:

- (a) Section 4—Equipment, Stores and Servicing

**CONTENTS**

<i>No</i>	<i>Title</i>
<b>SECTION 4—EQUIPMENT, STORES AND SERVICING</b>	
148/75	Lifting Appliances on HMA Ships (Excluding Submarines) Tests Maintenance and Periodic Inspections.
Paragraph 11	Full Test Trials
Paragraph 12	Lifting Appliances on HMA Ships
Paragraph 13	Tests and Periodic Inspections
Paragraph 14	APV Tests
Paragraph 15	Hydraulic Lifting Appliances
Paragraph 16	Non-Lifting Appliances
Paragraph 17	Mechanical Lifting Appliances
Paragraph 18	Experimentation at Sea
Paragraph 19	Notes
3. Testing Lifting Appliances on Particular Ships	
Paragraph 20	General
Paragraph 21	APVs
Paragraph 22	Minimum Requirements
Paragraph 23	Size of Crew
Paragraph 24	Other Ship Conditions
Paragraph 25	Minimum Tests Required for "Good Service"
4. Minimum Requirements	
Paragraph 26	General
Paragraph 27	Cranes, Lifting Winches
Paragraph 28	Winches
Paragraph 29	Cranes



## Section 4

## EQUIPMENT, STORES AND SERVICING

## UNCLASSIFIED

**148/75—Lifting Appliances on HMA Ships (Excluding Submarines)  
Tests Maintenance and Periodic Inspections**

1. This order consolidates the important instructions which are to be complied with, when carrying out the tests, maintenance and periodical inspections of lifting appliances and associated equipment on HMA ships. It takes precedent over all other related documents. It is intended to incorporate this order and Navy Order 84/73 into an ABR on Lifting Appliances. Recommended corrections, additions and comments are invited to the Director of Naval Ship Design, Department of Defence (Navy Office).

2. For the ease of reference, details of the various tests and inspections have been grouped together as follows:

a. *General Test Requirements*

Paragraphs 5-6	Periods between Tests.
Paragraph 7	Method of Initiating Tests.
Paragraphs 8-20	Nature of Tests.
Paragraphs 21-23	Test Tally Plates.

b. *Tests for Particular Equipment*

Paragraphs 25-27	Cranes.
Paragraphs 28-30	Derricks.
Paragraph 31	Fork Lift Trucks.
Paragraph 32	Liferaft Hydrostatic Release Units.
Paragraphs 33-46	Cable and Hawser Handling Arrangements.
Paragraphs 47-48	ASW Davits.
Paragraphs 49-52	Ammunition Lifting Appliances.
Paragraphs 53-55	Boat Lifting Appliances.
Paragraphs 56-58	Machinery Lifting Appliances.
Paragraphs 59-68	Replenishment at Sea.
Paragraph 69	Brows.

c. *Testing Lifting Appliances on Particular Ships*

Paragraphs 71-86	Aircraft Carriers.
Paragraph 87	DDGs.
Paragraphs 88-89	Minesweeper Equipments.
Paragraph 90	Ships in Reserve.
Paragraphs 91-94	HMA Fleet Auxiliaries.
Paragraph 95	Mercantile Vessels Requisitioned for Naval Service.

d. *Maintenance Requirements*

Paragraph 96	General.
Paragraph 97	Capstans, Cranes, Winches.
Paragraph 98	Wire Rope.
Paragraph 99	Cordage.

e. *Periodical Inspections*

Paragraphs 100-102	General.
Paragraphs 103-106	Wire Rope.
Paragraph 107	Cordage.
Paragraph 108	Ribbon Strops.
Paragraph 109	Davits.
Paragraphs 110-114	Capstans, Winches, Windlasses and Cable Holders.
Paragraph 115	Lifting Gear to Armour and Other Heavy Hatches.

3. Boat Lifting Weights are included in Annexe A.

4. Information on tests, etc, for submarines are found in the Naval Construction Manual, Vol 90, Section T1: 'RAN Oberon Class Submarines Post Refit Trials Instructions, Part 1, Hull Trial No H22, Tests on Lifting Appliances'.

### General Test Requirements

#### Periods between Tests

5. Unless otherwise stated in subsequent paragraphs, all lifting appliances including derricks, davits, cranes, winches, overhead runways, turntables, chains, blocks, grabs, etc, are to be tested by Dockyard Officers at intervals not exceeding three years, normally during a refit period. For ammunition lifting appliances, *see* Paragraphs 49-52.

6. When a lifting appliance due for test has not been used since the last test, a statement to this effect should accompany the Commanding Officers request for test, and Dockyard Officers should exercise their discretion as to whether a re-test is then considered necessary. This relaxation does not apply to lifting appliances for handling torpedoes, warheads, depth charges, mines, ammunition, gun armament, ahead throwing weapons projectiles, and missiles.

#### Method of Initiating Tests

7. Requests for tests to be carried out by dockyards on lifting appliances are to be initiated by Ships Officers on a main defect list, and the Ships Officers are to ensure that components such as brake linings, gear and electrical switchgear are in efficient operating condition prior to the tests.

#### Nature of Tests

8. For ships under construction, and conversion, the specified tests of all lifting appliances and associated equipment are invariably to be indicated on the relevant drawings. These tests are to be applied in the first instance at each subsequent occasion of testing and also after any repairs or alterations affecting the strength of any part of the lifting or guying systems have been carried out, unless further instructions involving modifications to the test loads have been issued. If any uncertainty exists as to the tests to be applied, the matter should be referred to Department of Defence (Navy Office).

9. The rig of the system, when being tested, is to be in accordance with the approved arrangements, as any variation from these arrangements may result in dangerous stresses occurring in some of the component parts of the system. No alteration to the rig of any lifting system is to be made without prior Navy Office approval. Each lifting and handling system is to be tested as a complete unit.

10. The test is to be carried out on board by Dockyard Officers with the system rigged in the authorised manner by the Ships Staff to ensure that all gear and fittings in association therewith, whether portable or part of the ships structure, are fully tried. The Ships Officers should be in attendance during these tests.

11. Where the purchase of any system is of cordage the static load of twice the working load is not to be suspended by the purchase, but is to hang by a strop on the head of the derrick or davit, etc. This is to avoid overstretching and damaging the cordage.

12. Any equipment including spare gear not subjected to test during the tests of the various systems, eg, geared blocks, strops, spare purchases, etc, is to be tested ashore by the relevant Dockyard Officers. Delivery ashore to Dockyard Survey or Testing Authority is to be arranged between the Ship Refit Liaison Officer and the Dockyard Project Superintendent.

13. The term 'safe working load' used in connection with these tests is the maximum weight which the system as rigged is approved to hoist and it should be carefully noted that this figure will not in general be the same as the safe lifting load which may be stamped on some of the components parts, leading blocks, etc, and will almost invariably be less than the lifting load marked on the individual parts of the equipment.

14. The lifting appliance, other than commercial type deck cranes (refer Paragraph 27), should first be surveyed after which the undermentioned tests, in general are to be carried out in the following order:

- a. A static load equal to twice the working load, is to be applied for ten minutes with the system at rest.
- b. With the system fully rigged the working load is to be raised, lowered, arrested and traversed where applicable, so as to test all parts of the system: this load is to be moved to the fullest extent possible throughout its complete designed range.
- c. A running load of one and a half times the working load, moved in the same manner as the working load.
- d. In addition to the working load test at b. above, the efficiency of all associated electrical equipment is to be checked for all specified duties and measurements of volts, amps, and speeds for each control position are to be taken and recorded. These should approximate to the figures obtained at the initial 'on board trials'. If these are not available the data shown on the motor rating plates and on 'as made' drawings should be used as guidance. Where appreciable differences are found these should be investigated and rectified at the earliest opportunity. Where the initial test results are not available and the alternative data is found inadequate to satisfy Dockyard Officers that the tests are satisfactory, application for the initial test figures should be made to the Director of Naval Electrical Design, Department of Defence (Navy Office).

15. If, in a powered system, the power unit is unable to lift the running test load throughout the full range, the maximum load that can be lifted is to be reported to Department of Defence (Navy Office) and the appliance is to be limited to a working load of 65 per cent of this value.

16. In applying a running test load to a system with the gear as rigged, in which an electrically driven winch fitted with a slipping clutch is the lifting unit, it should be first confirmed that the slipping clutch is designed to hold twice the working load.

17. After completion of each of the tests the whole gear is to be carefully examined visually for flaws and defects. Any suspected flaws or defects should be investigated by means of non-destructive testing. Where repairs are carried out, the whole of the gear is to be re-tested. The results of all tests and examinations are to be recorded and the following copies issued:

- a. Original to Department of Defence (Navy Office).
- b. Copy No 1 to FOCAF.
- c. Copy No 2 to Ships Captain.
- d. Copy No 3 to Dockyard File.
- e. Copy No 4 to Testing Officers Records.

18. Any defects that develop during these tests which indicate some form of weakness in design, are to be reported to Department of Defence (Navy Office).

19. If, whilst a ship is on service, any part affecting the strength of the lifting and handling equipment becomes defective and is repaired or renewed, a test, which would normally be carried out at a dockyard, is to be applied by the Ships Staff using loads as near the standard loads as can be arranged, before the appliance is passed into service. The result of the latter test is to be recorded and a standard test by Dockyard Officers is to be carried out immediately the ship returns to the dockyard.

20. If there is any reason to suspect that any lifting appliance has been unduly strained, the Commanding Officer should make a request for a re-test to be carried out immediately the ship returns to the dockyard, without waiting for the usual test period. All parts of a lifting system, including all permanent fittings, are to be carefully examined after lifting maximum loads.

#### Test Tally Plates

21. Unless test particulars are stamped on individual items of equipment, test tally plates showing the following data are to be fixed in a conspicuous position whenever a test is applied:

- a. Tested (Place and date).
- b. Static load (where applicable).
- c. Safe working load.
- d. Initials of persons responsible for test.

22. Where the system is tested with the gear rigged, the tally plate is to be marked as follows:

- a. System tested as per approved rig.
- b. Tested (Place and date).
- c. Static test load (where applicable).
- d. Running test load.
- e. Safe working load.
- f. Initials of persons responsible for test.

23. Care is to be taken that any securing holes for the attachment of test tally plates or stamp and centre punch markings are positioned so that the strength of the fitting is not impaired.

#### Tests for Particular Equipment

24. For ships under construction, the tests of all lifting appliances and associated equipment are to conform to the requirements of the appropriate specifications. For certain appliances, eg, cranes, the initial tests are more comprehensive than those required to be carried out subsequently, whilst for other appliances, shop trials

at makers works are carried out which are not repeated after the appliances have been fitted on board. For subsequent tests, additional instructions to those contained in Paragraph 8 are to be observed, as detailed in Paragraphs 25 to 26. When carrying out tests in hydraulically operated equipment the relief valve is to be temporarily adjusted to take the load. The relief valve is to be reset and checked for normal operation on completion of testing.

#### Cranes

##### 25. Power and Hand-operated Cranes (Excluding Commercial Deck Types):

- a. The working load is to be raised and lowered at the maximum specified radius, by means of the hoisting motion, raised and lowered by means of the topping motion of cranes so provided, and slewed each way with the ship not heeled.
- b. At the maximum specified radius a load of 50 per cent greater than the working load is to be raised, \*held, topped \*(when applicable) and slewed each way with the ship not heeled.

\*Note: Except with hydraulic cranes, where the overload is to be placed on the hook, not raised or topped, and the remaining tests carried out.

- c. No greater test load than that described in b. should be applied to deck cranes.
- d. Electrically-operated cranes should be tested in all their movements when carrying the maximum working load.

The speeds of operation and motor currents obtained in this test should approximate to those obtained when the cranes were installed. When the information is not held on board, it should be obtained from the Director of Naval Electrical Design, Department of Defence (Navy Office), Canberra.

#### Mobile Cranes

26. a. The safe working load is to be raised and lowered at the specified outreach and normal working speed.
- b. A running test load of 25 per cent in excess of the safe working load, in the case of 5-ton and 5.35-ton cranes, and 50 per cent in excess of the safe working load in the case of 20,000-lb cranes is to be raised, held and lowered at the specified outreach. Operation at a slow speed is acceptable for this test. The chassis should be stationary.
- c. If ashore, the crane is to be on a level surface when handling the test loads; if on board ship, the crane is to be over the hangar bulkhead. The motions are to be performed carefully to thoroughly test the equipment, crane structure and operating gear.
- d. No greater test load than that described in b. should be applied.
- e. The crane should be tested in all its movement when carrying out the safe working load test. The hoisting speeds should be as follows:

3.5-ton crane	..	..	35 ft per minute.
5-ton crane	..	..	23 ft per minute.
5.35-ton crane	..	..	23 ft per minute.
20,000-lb crane	..	..	15 ft per minute.

The existing instructions as to the areas of flight decks over which the crane can be used will apply during movement of the chassis.

**Commercial Type Cranes, Capstans, etc**

27. Where commercial type cranes are fitted, the periods for test are to comply with Paragraph 5 of this order. The actual test loads applied after the crane has been surveyed are to be identical with the manufacturers test loads. Similar test arrangements are to apply to other types of commercial equipment, eg, capstans, winches, etc.

**Derricks**

28. Derricks fitted with a variable topping lift (span tackle), are to be initially tested with the boom at an angle between 35° and 45° to the horizontal. Although the thrust in the derrick remains fairly constant at all angles, the tension in the topping lift increases considerably as the derricks approach the horizontal position. A derrick should never be worked or tested when drooped at an angle below the horizontal.

29. Derricks with fixed topping lifts are only to be tested at the designed working angle.

30. Where derrick posts are used as part of a derrick rig, care must be taken to ensure that the derrick post and tubular stays are firmly secured in their deck sockets, and in certain cases, preventer wires rigged between tops or derrick post and deckhouse sides. When test loads are applied to the derrick, deck sockets and eyeplates are to be inspected for excessive deflection of deck structure, etc, and deflections are to be measured on the derrick boom and derrick post. Deflections are to be taken on the underside of derrick boom and 90° thereto. After the test load has been removed, further measurements are to be taken to ensure that no permanent set has taken place. Should it be established that permanent set has in fact taken place, further measurements are to be taken twenty-four hours later (in most cases the derrick will have reverted to its original state during that period). If permanent set is still evident, then REDEF or Supplementary Defect action in accordance with Navy Order 217/74 must be taken since permanent set is totally unacceptable on a derrick.

**Permanent Set on a Derrick is Totally Unacceptable****Fork Lift Trucks**

31. a. The safe working load is to be raised to the approximate maximum height on the forks at normal working speed.

b. A running test load of 25 per cent in excess of the safe working load is to be raised, held and lowered at a slow speed.

*Note:* When carrying out this test, the relief valve of the hydraulic circuit must be temporarily adjusted to take this load. The chassis should be stationary. After running tests, the hydraulic relief valve is to be reset and tested to operate at a working load of 10 per cent in excess of the determined safe working load.

c. No greater test load than that described in b. should be applied.

d. If ashore, the fork lift truck is to be on level surface with the mast vertical when handling the test loads; if on board, the truck is to be over the hangar bulkhead. The motions are to be performed carefully to thoroughly test the equipment truck structure and operating gear.

e. The fork lift truck should be tested in all its movements when carrying the safe working load. The existing instructions as to the areas of flight deck over which the truck can be used will apply during movement of the chassis.

f. Pallet trucks are to be similarly tested.

**Liferaft Hydrostatic Release Units**

32. The periodic testing of these units is to be carried out by Dockyard Officers in accordance with Navy Office Drawing STDP-1002-001. Ships officers are responsible for their withdrawal from service at periods not exceeding twelve months.

**Cable and Hawser Handling Arrangements****Capstans**

33. The following tests should be applied after each occasion that dockyard repair or refit work has been carried out on the capstan (excluding submarines, for which see NCM, V90, section T1):

**a. Forward Capstans**

(1) Heave and veer the anchor and not less than sixteen fathoms of hanging cable (or compensating weight suspended from the anchor shackle) at the designed speed.

(2) Slack cable speed to be checked, brake gear and slipping clutch to be tested.

(3) Where twin cable holders are fitted these are to be heaved and veered separately and/or concurrently as per working instructions.

**b. After Capstan (Cruisers and above)**

(1) To heave and veer the designed working load.

**c. Other Capstans**

(1) Heave and veer the designed working load.

(2) A running test load of one and a half times the working load at slow speed.

**Winches**

34. The brakes of power-worked winches are to be tested with a 50 per cent overload which is to be held by the brakes without slipping, except in cases where the brakes are made to withstand a load of the winch, eg, minesweeping winch. All winches, excluding those used for handling torpedoes, warheads, mines, depth charges, ammunition and minesweeping (see Paragraph 52) are to be tested at each ship refit but not exceeding a period of three years.

35. Bathy and Oceanographic winches are to be tested at sea in deep water.

36. Where winches are tested in conjunction with the approved rig, a test tally plate with particulars as specified in Paragraph 22, is to be fixed in a conspicuous position and adjacent to the makers description plate.

**Ropes, Chains, etc****Steel Wire Rope**

37. All steel wire rope associated with a lifting appliance which has been used and has not otherwise been tested as a part of such an appliance, is to be subjected to a dead load test of two-fifths the ultimate breaking load at intervals not exceeding three years. The rope is to be unrove by Ships Technical Staff and sent to a dockyard for re-test.

38. When tested, the dockyard is to prepare a certificate of test. One copy of the certificate is to be furnished to the Commanding Officer of the ship concerned and the other copy to be recorded at the testing house for reference.

39. When determining the safe working load of steel wire rope for new lifting appliances, the following factors of safety are to be arranged for:

- |   |              |
|---|--------------|
| a. Lift wires .. .. .                               | 12 (minimum) |
| b. Running rigging (ex-crane wire) .. .. .          | 8            |
| c. Crane wires .. .. .                              | 6            |
| d. Standing rigging, including boat bridles .. .. . | 6            |

40. Particulars of minimum breaking loads for all grades of steel wire rope are given in AS 1656-1974 Metric Units, Steel Wire Ropes.

#### Chain Cable, etc

41. Chain cable and chain cable gear and other associated fittings are to be periodically surveyed and tested in accordance with BR 367, Anchors, Chains, Cables, etc.

#### Cordage

42. Routine tests of cordage are to be as laid down in the appropriate rope procurement specification, and particulars, shown on tallies, to be attached to each coil. In connection with the visual examination of rigs before commencing and on completion of tests, the following should be noted:

- No unauthorised departure is to be made from the approved rig, either in respect of size or quality of cordage, as determined by the rigging warrant or otherwise approved, when carrying out the tests. Slings made up for lifting parts of machinery, stores, etc, should be tested as above and slings marked with a tally giving particulars and dates of test.
- Under normal peace-time supply conditions, untarred sisal and manila when new, are about equal in strength and rather stronger than tarred sisal. Untarred cordage deteriorates more rapidly than tarred, and loses this initial advantage of greater strength after about two months exposure to sea weather conditions. Coir cordage is about one-fifth the strength of manila or one-fourth the strength of hemp, of same size.
- Information for ships personnel is given in Chapter V of Volume 2 of the Manual of Seamanship BR 67 (2/67).
- When determining the safe working load of cordage and man-made fibres for new lifting appliances, the factors of safety to be arranged for are to be as for steel wire rope (*see* Paragraph 39). Particulars of minimum breaking loads for some grades of man-made fibres are shown in Naval Construction Manual/5.0/G2 (Nylon Rope (Hawser Laid)) and BSS 3758/64 (Polyester Filament Ropes, Hawser Laid).

#### Blocks, Hooks, Eyeplates and Cleats

##### Blocks

43. With the exception of blocks handling ammunition (*see* Paragraph 52) all blocks are to be inspected and tested as follows:

- Non-geared:*  
Non-geared blocks which have not otherwise been tested as an integral part of a lifting system are to be inspected and tested at a dockyard to the appropriate proof load marked on the block at each ship refit period. The period between tests is not to exceed three years.

- Geared:*

All geared blocks for whatever purpose they are provided should be inspected and tested during each ship refit to the appropriate test load shown on the label plate. The period between test is not to exceed three years.

- Repair of Load Chains:*

- Care is to be exercised in the selection of material used in repairs or replacement of hand operated lifting blocks, particularly as higher tensile grades of steel may be used, especially in proprietary items.
- When repair or replacement of the load chain of any block is necessary none other than material of the same grade as previously fitted to that particular block is to be used.
- Where identification is difficult, or doubt may exist for any other reason, Navy Office instructions are to be obtained before repairs are carried out.
- This precaution is necessary to ensure that the lifting capacity of the appliance is not lowered below that for which it is rated due to the incorporation of inferior material during repair thereby involving a risk of failure in subsequent use.
- Until dockyards are fully equipped with the facilities required for the repair and heat treatment of these higher tensile steel chains, work involving the fitting of new links can only be carried out by the chain makers. Appropriate action will therefore be necessary on the part of Repair Authorities at dockyards or bases concerned.
- The foregoing instructions apply to load chains in particular, electrically welded, mild steel chain to BS 590 : 1949 is the minimum standard acceptable for hand chains in these lifting appliances.

#### Hooks

44. Where a hook is not tested as an integral part of a lifting system, it is to be tested ashore to the proof load stamped on the hook.

#### Eyeplates and Cleats

45. Prior to fitting in place, eyeplates and cleats are to be proof tested in accordance with the Naval Construction Manual, Volume 6, Section GI.

46. Welded eyeplates and cleats are only to be used in positions of importance when they can be tested in place after welding, either by direct loading or in connection with the tests of the lifting system in which they may be incorporated. Tests of eyeplates, etc, are to be shown on Form TI149. When not associated with lifting systems for which periodic tests are specified, they are to be tested during the ship refit period or at periods not exceeding three years, and if then considered necessary, they should be removed and replaced by new fittings. Where eyeplates are fitted for shipping machinery and it is impossible to test them without unshipping the machinery, then, at the discretion of the Testing Officer they may be subjected to visual examination or NDT as appropriate.

#### ASW Davits

##### Unifoxer Davits

47. Unifoxer davits, rigged as approved are to be tested as follows:

- |                              |         |
|------------------------------|---------|
| a. Static test load .. .. .  | 10 cwt. |
| b. Working load .. .. .      | 5 cwt.  |
| c. Running test load .. .. . | 7½ cwt. |

**Sonar Type 182 Hand Operated Davit**

48. In addition to the instruction listed in Paragraph 47 the following should apply:

Slew the davit through 90° (from outboard to a fore and aft position) against an adverse heel of 10° and an opposing horizontal side load of 1,000 lb at davit head, at right angles to the middle line of ship.

*Note:* All the tests should be carried out with the jib secured in its raised position but the davit can be removed and 'heeling' test carried out as a shop test provided the heeling conditions can be simulated.

**Ammunition Lifting Appliances**

49. Appliances not designed for the lifting of ammunition are not to be used for this task. If Ships Staff believe that they have insufficient or ineffective ammunition lifting appliances, then this should be raised as an A and A item.

**A/S Projectile Hoists**

50. A/S projectile hoists are to be tested as follows:

- a. Quarterly by Ships Staff, by raising a full working load.
- b. At periods not exceeding one and a half years by Dockyard Officers. A load 50 per cent greater than full working load is to be held so as to test all parts of the lift or hoist.

**Ribbon Straps for Torpedo Equipment**

51. Ribbon straps, without leather servings, are to be surveyed and tested to the appropriate working load as follows:

- a. Survey and load test immediately before issue.
- b. Survey by Ships and Depot Ships Staff at six months intervals after receipt of test by dockyard.
- c. Survey and load test at ship refit period by dockyard. The period between tests is not to exceed three years.

**Lifting Appliances for Shells, Mines, Missiles, etc**

52. The following ammunition lifting appliances are to be tested by Dockyard Officers at periods not exceeding one and a half years on application by Ships Officers:

- a. Derricks and davits and stump masts, used for handling ammunition.
- b. Blocks used for handling ammunition.
- c. Wire ropes, whips, slings and jackstays used for handling ammunition are to be tested at the same time as the derricks and lifting appliances.
- d. Power worked winches used for hoisting ammunition.
- e. Monorails and outriggers used for handling ammunition.
- f. The brakes of power worked winches used for hoisting ammunition are to be tested annually.

**Boat Lifting Appliances****Boat Lifting Appliances (excluding Schat Davits)**

53. The following periodic tests are to be carried out:

a. *Davits:*

- (1) Boats davits are to be tested at each ship refit period, provided the period between refits does not exceed three years. Where only one davit is used the safe working load of the davit is to be taken as the lifting weight of the boat (as listed in Annexe A), which it should withstand without permanent set or excessive temporary distortion, in the case of a boat hoisted by two davits or other independent hoisting appliances, the safe working load of each appliance is to be taken as half the specified lifting weight of the boat, unless the weight is unequally shared, when the greater of the two loads is to be taken as the safe working load for each appliance. If a spreader is attached, the davits should be tested with the spreader rigged.
- (2) When the weight of a boat allocated to a ship would result in the specified working load of the ships derrick or boat davit being exceeded, the matter is to be reported through the Administrative Authority and instructions requested as to whether the derrick or davit is to be re-tested to an increased working load.

b. *Falls:*

- (1) The maintenance of boat falls is to be carried out in accordance with the relevant paragraphs for wire rope and cordage.
- (2) Ships Officers are to examine the falls at periods not exceeding six months and renew as necessary if any of the signs referred to in Paragraph 103 are apparent.
- (3) In addition the falls are to be surveyed and tested by Dockyard Officers with a static load of 1.5 times the safe working load of each fall at periods not exceeding one and a half years.

c. *Slings:*

- (1) The first test on completion of manufacture and all subsequent re-tests are to correspond to twice the working load of the sling. This working load is the pull in each leg of sling, including disengaging gear if fitted, when the boat is suspended at davits, or by similar two points lifts; or the pull in each leg of a bridle sling when lifting by crane, derrick or similar arrangement for one point suspension of boat. The weight of the boat is always to include that of the full equipment and fuel and that of men required to be aboard for lifting and lowering. For seaboats the weight of a full crew should be included.
- (2) Except where spreader components make it practicable, bridles and slings are not to be tested as a whole; separate tests are to be made with each leg of bridle, span sling and steadying leads, together with all associated joining rings and eyes of disengaging gears or moused hooks.
- (3) Boats slings, and sling plates with holding down bolts, complete with all associated disengaging gears, etc, of all ships should be landed for re-test at each ship refit period, and at all other times immediately after repairs have been effected by the Ships Technical Staff. Where rigid fixtures such as tubes, angles, etc, are to be used in place of slings, they are likewise to be removed for survey and re-test together with

their fastening pins and holding down bolts. The test load for such items are to be shown on approved drawings. Each lifting system is also to be tested as a complete unit (see Paragraph 9). In no case should the period between tests exceed three years.

- (4) Inspecting Officers and Refitting Authorities are to ensure that during manufacture and in subsequent periodic surveys and tests, boats disengaging gears are fully operational before certifying acceptance for service. Such acceptance is to include a careful check, after galvanising, that the safety pin engages completely in the holes through both check plates, and the removal of surplus zinc deposits on the upper pawl of the releasing lever, which would prevent the safety pin engaging completely in its hole owing to fouling by the back edge of the releasing lever. Ships Officers are to check carefully that the disengaging gear is free running and functioning correctly before putting into operational use.
- (5) Where no information is available regarding tests from approved drawings, the test load should be calculated from a diagram of forces:
  - (a) For two-legged bridle, the joining ring is to be tested either to twice the lifting weight of boat or twice the working load in the two legs together whichever is the greater.
  - (b) For three-legged bridle, where the distribution of forces is indeterminate, it should be assumed that the test load for the middle leg is  $\frac{4}{3}$  lifting weight of the boat and that of each side leg equal to the lifting weight; the test load for the joining ring of the three legs is to be twice the lifting weight of the boat.
  - (c) Where boats are suspended from two lifting appliances, as from davits, the working load is to be calculated on the basis of one half the lifting weight of the boat on each sling unless the weight is unequally shared, when the greater of the two loads is to be taken as the working load for each sling; the ring joining the two legs of the sling is to be tested either to the lifting weight of the boat or twice the working load in the legs, whichever is the greater.
- (6) The test load and date of current test are to be stamped on the rings, enlarged end links of bridle or sling legs, and on the frames of disengaging gear or moused hooks.
- (7) In ships taken over for Naval Service from mercantile or private sources or otherwise incorporated in HMA Service, special care is to be taken to ensure that the boat slings conform to usual service requirements; sling plate and other relevant fixed fittings in the boat, including fastenings are to be surveyed, to see that they are sufficient and that serviceable clench plates are included with the whole of the fastening arrangements.
- (8) The testing of the boat slings is to be included in the periodical defect list.
- (9) Special care is to be taken by the Ships Officers when preparing to lift a boat which has been swamped; the boat is to be gradually raised so that the water can be drained, or otherwise removed, until the total weight to be lifted is not appreciably above the authorised lifting weight of the boat. The lifting weights of boats are given in Annexe A to this order and this information until further notice is the only authority for such weights.

- d. *Nylon Rope Strops and Steel Rope Pendants for Hoisting Boats in a Seaway:* It has been decided to extend the strop and pendent method of hoisting boats in a seaway to boats and craft carried in davits and gantries of all ships, in accordance with the Standard Drawings, STDP-1205-020, 'Hoisting Rough Weather—and Nylon 25', 27' MCs'. In ships so fitted, the nylon strops are to be landed at least once a year for re-test to proof loads as shown on the Standard Drawing. The steel wire rope pendants and associated fittings are to be landed for re-test with the boats slings.

#### Schat Davits

54. For powered operations, the instructions listed in MBR 8832 'Use and Maintenance Instructions' are to be observed.

55. In the event of power failure or where powered lowering is not available (HMAS MORESBY, FLINDERS and STALWART), the appliances are also to be tested for manual operation when the running load is to be modified as follows to avoid damaging the hand operated clutch and the centrifugal brakes:

- a. A running load of 1.5 times the SWL is to be raised only and the load is then to be removed from the davit head by crane.
- b. A running load of 1.1 times the SWL is to be used for the lowering and arrester tests.

#### Machinery Lifting Appliances

56. Hull attachments, together with associated eyeplates, eyebolts, shackles, etc, for lifting machinery items, including propellers, are to be tested in place by Dockyard Officers to a static load of twice the working load at periods not exceeding one and a half years.

57. Before propeller lifting arrangements are rigged for test or changing propellers, hull pads and fittings are to be examined as to their general condition. Eyebolts should be checked, if necessary from the drawing of the approved arrangement, to ensure that they have been specifically supplied for this use. Eyebolt sockets are then to be thoroughly cleaned. Care is to be taken that the faying surfaces on hull pad and eyeplate or eyebolt are free of excrescences which would otherwise prevent accurate faying. Eyebolts are to be tightened sufficiently such that the shoulders seat correctly and to prevent slackening back during lifting operations. If doubt exists after inspection that the fittings do not retain their full efficiency, they are to be tested in place by applying the specified static load before use for lifting operations. A foul pull, at an angle to the plane in which the eyebolts lies should be avoided. In the case of HMAS DIAMANTINA, the propeller lifting arrangements are not entirely in accordance with modern practise. In view of the age of this ship it is not intended to change the fittings, instead suitable strops over the quarter deck are to be rigged for lifting the propellers when the occasion arises.

58. Most classes of ships are not provided with fittings for lifting shafts. In cases where such fittings are provided, however, they are not to be used in future; instead shafts are to be handled in the normal manner using gantries and jacks as necessary.

#### Replenishment at Sea

59. Appliances on HMA ships which are used in replenishment at sea operations are to be surveyed and tested at intervals not exceeding three years, normally during a refit period.

60. Tests for individual ships and particular appliances are listed in following paragraphs.

61. Before applying test, each appliance is to be rigged as shown on the relevant Navy Office drawings and the pull to be as far as practicable throughout the range of angles required in the Navy Office drawing.

62. The only ships in the Fleet which can at present use the Housefall/Tensioned Highline (STREAM) rigs are:

- a. DDGs.
- b. SWAN and TORRENS.
- c. VENDETTA and VAMPIRE.

and no other ships are to use these rigs as their existing equipment is not strong enough to handle it.

#### Fuel Reception over the Stern

63. HMA ships MELBOURNE and SUPPLY Contact Naval Technical Services Annexe, Sydney, for the relevant procedures

#### Aircraft Carriers

64. a. *Light Jackstay Rig*: Jackstay line eyeplate and lead eyeplates 5,600 lb static load applied 10° below horizontal
- b. *Stump Mast (one ton Heavy Jackstay)*:
- (1) Jackstay line eyeplate .. 15 ton static load applied 10° below horizontal
  - (2) Outhaul upper and lower eyeplates 2 ton static load
- c. *Crane Fuelling Rig*: Crane rigged for fuelling with hose recovered 1 ton static load applied at position shown on relevant Navy Office Drawing with crane at 45° to horizontal

#### Type 12 Frigates

65. a. *Tripod* (Forward on YARRA and PARRAMATTA; Forward and aft on STUART and DERWENT):
- (1) Jackstay Eyeplates (P and S) 15 ton static load applied 20° above horizontal, normal to centreline of ship and 20° either side of normal
  - (2) Inhaul Eyeplates (P and S) 2 ton static load applied 45° below horizontal, normal to centreline of ship and 20° either side of normal
  - (3) Hose Securing Pendant Eyeplate (P and S) 2 ton static load applied horizontally 20° either side of normal to centreline of ship
- b. *After Highpoints* (P and S) (YARRA and PARRAMATTA only):
- (1) Jackstay Lug .. .. 14 ton static load applied horizontally
  - (2) Inhaul Pendant and Lead Lugs 2 ton static load applied horizontally

#### c. *Jackstay Storing and Fuelling Rig* (P and S) (SWAN and TORRENS only):

- (1) Jackstay eyeplate and link .. 15 ton static load applied horizontally and 20° above horizontal, normal to centreline of ship and 20° either side of normal
- (2) Inhaul Eyeplate .. .. 2 ton static load applied horizontally and 45° below horizontal, normal to centreline of ship and 20° either side of normal
- (3) Hose securing pendant eyeplate 2 ton static load applied horizontally, normal to centreline of ship and 20° either side of normal

#### d. *After Replenishment Mast* (SWAN and TORRENS only):

- (1) Housefall Storing Rig (P and S) 50,000 lb static load applied horizontally normal to centreline of ship and 30° either side of normal
- (2) Jackstay Eyeplate (P and S) 8,000 lb static load applied horizontally normal to centreline of ship and 15° either side of normal
- (3) Inhaul Eyeplate (P and S) 3,000 lb static load applied horizontally normal to centreline of ship and 15° either side of normal

#### Probe Fuelling Arrangements (P and S) (not fitted in all ships)

66. a. Swivel joint, swivel arm and pelican hook assembly 36,000 lb static load applied horizontally, normal to centreline of ship and 30° either side of normal
- b. Swivel Joint, Span-wire and Adaptor assembly for conventional fuelling 36,000 lb static load applied horizontally, normal to centreline of ship and 30° either side of normal
- c. Inhaul and Outhaul lugs .. 8,000 lb static load applied horizontally, normal to centreline of ship and 30° either side of normal

#### Daring Class Destroyers

##### 67. a. *HMAS DUCHESS*:

##### (1) *Forward Tripod*:

- (a) Jackstay Eyeplate (P and S) 14 ton static load applied 20° above the horizontal, normal to centreline of ship and 20° either side of normal
- (b) Inhaul Eyeplate (P and S) 2 ton static load applied 45° below horizontal, 20° either side of normal to centreline of ship
- (c) Hose securing pendant eyeplate (P and S) 2 ton static load applied horizontally 20° either side of normal to centreline of ship



(2) *After Stump Mast:*

- (a) Jackstay, inhaul and pendant eyeplates (P and S) 14 ton static load applied 20° above the horizontal, normal to centreline of ship and 20° either side of normal
- (b) Lead-in-Eyeplate (P and S) 2 ton static load applied 45° above the horizontal, normal to centreline of ship

b. *HMAS VAMPIRE and HMAS VENDETTA after modernisation:*

- (1) *House Fall Storing Rig* (P and S) 50,000 lb static load applied horizontally normal to centreline of ship and 30° either side of normal
- (2) *Personnel Highline Lug* (P and S) 8,000 lb static load applied horizontally normal to centreline of ship and 30° either side of normal
- (3) *Inhaul/Outhaul Lug* (P and S) As for Personnel Highline Lug.

**DDGs**

68. See Paragraph 87. Excessive temporary distortion or permanent deformation of the support structure during or after a test is not acceptable. On no account should the test loads be increased to compensate for testing an appliance at only one specified angle due to limitations in dockyard test facilities. Unless otherwise stated, where a system involves a combination of eyeplates, swival joints, etc, each test load is to be applied separately. Span wires, handling lines, blocks, etc, are to be examined and tested in accordance with the relevant paragraphs of this order. Further information regarding test requirements may be obtained from Department of Defence (Navy Office), Canberra.

**Brows**

69. a. All normal steel brows are to be examined annually, repaired if necessary and tested after repairing. If repairs are not necessary, steel brows are only to be tested at intervals of two years. Lightweight brows made for special requirements are to be examined, repaired if necessary and tested annually, to the locally restricted test loads where applicable. All wood brows are to be examined, repaired if necessary and tested annually.
- b. The test loads are to be calculated from the formula:

$$\text{Test load in tons} = \frac{\text{Area of brow in square feet}}{12}$$

(or 12/3-cwt per sq ft)

- c. This test load is to be evenly distributed over the length of the brow, the brow being supported at its end in a horizontal position. For steel brows, no permanent set should remain after removal of the test load. For wood brows, the permanent set (which may be due to take-up of fastenings) should not exceed ¼-in per 10-ft length of brow. If a permanent set greater than this is recorded, the brow should be accepted into service only after a thorough check that general structure and fastenings are sound and in good order.

**Testing Lifting Appliances on Particular Ships**

70. Periodic tests are to be carried out on the lifting appliances of particular ships as detailed below.

**Aircraft Carriers****Lifts**

71. All lifts are to be tested as follows:

- a. Quarterly by Ships Staff—the full working load is to be raised and lowered.
- b. At each ship refit period by dockyard—subject to the period between tests not exceeding three years except all types of bomb and rocket lifts which are to be tested at periods not exceeding one and a half years by dockyard. Tests embodying the operation at slow speed loads of 50 per cent greater than the full working loads are to be applied so as to test all parts of the lift.
- c. By dockyard—on all occasions after adjusting of brakes or other major work and before the lift is considered available for use.
- d. In lifts with roller chains—the chains are to be visually inspected every three months by the Ships Staff, and it is essential that the bearing surfaces be adequately lubricated. The inside plates of the chain should also be examined to see whether there are indications of rubbing against the wheel teeth, which would indicate misalignment.

**Aircraft Lifts**

72. a. *HMAS MELBOURNE* (Working Load 24,000 lb).

- (1) Test Load 36,000 lb to be placed on an agreed area on the middle line of platform at a fore and after position representing the centre of gravity of the aircraft.
- (2) Operate the lift in both directions at slow speed by means of slow running switch.

**Brakes on Aircraft Lift Platforms**

73. a. The brakes on the aircraft lifts should be capable of sustaining static loads considerably in excess of the working load of the lift, provided the brakes are correctly adjusted and maintained in good working order. In order to ensure that the brakes are satisfactory, they are to be tested by Dockyard Officers at each ship refit period by applying a static load equal to twice the working load of the lift. This test load should be well distributed over the platform.
- b. The attention of Commanding Officers is drawn to the need for care in avoiding the inadvertent overloading of the lift platform when it is at flight deck level on such occasions as storing ship or ranging aircraft. In general, the static load placed on lifts should not exceed one and a half times the working load but it is an operational requirement to park two aircraft on the lift platform and if the weight of each approaches the working load of the lift, the hand operated brakes should also be applied. In no cases should the static load be allowed to exceed twice the working load.

c. It is of the utmost importance that solenoid operated brakes of electrically operated lifts on HMAS MELBOURNE should at all times be efficiently maintained and frequently checked. The correct method to be adopted for their adjustment is as follows:

- (1) Before adjusting these brakes the lift platform should be at flight deck level and without load.
- (2) Lining should be non-greasy, rivets well countersunk and all hinge pins free and well lubricated.
- (3) The rubber stop washer between the stop disc and the magnet cover should cushion slightly before the magnet plunger and the brass washer make contact with the lower half of the magnet casing. If necessary the rubber stop washer should be adjusted in thickness.
- (4) Set screws on brake arms should be slackened back and then it should be carefully checked that magnet plunger is fully home, and not held by stop disc on top of magnet. The magnet plunger should have free movement and the axial grooves should be checked to ensure they are not blocked with dirt.
- (5) The set screws on brake arms should be screwed up until the magnet plunger lifts 0.1 to 0.125 in.
- (6) Tighten up brake springs equally until brake just operates, then slack back  $\frac{1}{8}$  in. The designed working length of spring with brake applied is  $4\frac{1}{8}$  in, but spring could be operated at  $4\frac{3}{8}$  in quite safely.

d. A further refinement following the above is to screw up set screws, with magnet energised, just sufficiently to eliminate sounds of rubbing from the shoes with the lift running.

e. Attention is drawn to the necessity of securing lifts by tackle or other means independent of the safety gear whenever the wires are being repaired or overhauled and before men are sent to work in the lifts or trunks. When the wires of lifts are being overhauled or repaired the safety gear is never to be relied upon as the only means of securing the lifts in position.

#### Bomb and Other Lifts and Associated Equipment

74. a. By dockyard on HMAS MELBOURNE at periods not exceeding one and a half years:

- (1) **Bomb Lift** (Working Load 2,600 lb).  
Test load 3,900 lb to be placed evenly over floor of cage. Lift to be wound slowly downwards by emergency handle. When down, remove 1,300 lb and operate lift electrically.
- (2) **Rocket Lift** (Working Load 2,600 lb).  
Test load 3,900 lb to be placed evenly over floor of cage. Lift to be lowered at slow speed by means of slow running switch, 500 lb to be removed and lift raised.
- (3) **Overside Rocket Lift** (Working Load 820 lb).  
Test load 1,230 lb to be placed evenly over floor of lift. Operate lift in both directions throughout travel.

#### Bomb Room, Rocket Motor Magazine, Missile and Torpedo Magazine Monorails

75. For the testing of this equipment, a temporary hook or eye is to be fitted to the gear, and the following test loads applied:

<i>Safe Working Load</i>	<i>Static Test Load</i>	<i>Running Test Load</i>
10 cwt	1 ton 0 cwt	15 cwt
1 ton 0 cwt	2 ton 0 cwt	30 cwt

#### Air Armament Equipment

76. a. *Hangar Gantries:*

- (1) A maximum working load of 3 tons is to be raised, lowered, traversed and travelled to ascertain that the designed operating speeds are obtained.
- (2) A load of 50 per cent in excess of the 3 ton maximum working load is to be raised, held traversed, travelled and lowered so as to thoroughly test all working parts including the brake.

b. *Bomb Skids, 0248-5574 and Mark 2 (Working Load 2,000 lb).*

- (1) The skid is to be carefully surveyed for wear and defects including examination of ball and needle roller bearings on wheels. It is then to be loaded with a load equal to its working load and moved about as would be necessary for its maximum operation. The brake is to be applied quickly at least three times.
- (2) The skid is to be loaded with a load equal to one and a half times its working load and moved about and the brake applied as for the working load. Then it is to be thoroughly examined for signs of straining or fracture.

c. *Bomb Stretcher, 4G-3034 (Working Load 500 lb).*

- (1) To be thoroughly surveyed for cracks or warp and the straps examined for signs of wear or fraying.
- (2) With the end handles supported firmly, so that the feet of the stretcher are a few inches above the deck, apply a static load equal to twice the working load. Then it is to be thoroughly surveyed for cracks and warp.

d. *Bomb Lifting Poles, 4G-3206 (Working Load 500 lb).*

To be surveyed and then, with pole supported firmly at each end, a static load equal to twice the working load is to be suspended from the swivel hook. Re-survey for bending or cracking in bar, lifting hook and U support.

e. *Mark 65, 66 and 67 Bomb Slings (Working Load, Mark 65—250 lb, Mark 66—500 lb, Mark 67—1,000 lb).*

To be surveyed and then assembled to an inert bomb loaded to weight (*see below*), and subjected to the static test load for ten minutes. Re-survey for cracking of fittings, or fraying of slings.

Static test loads: Mark 65—2,000 lb, Mark 66—3,000 lb, Mark 67—6,000 lb.

- f. *Bomb Loading Hoists*, 4GC-42321 to 4GC-42353, 4GC-L60038 (Working Load 1,200 lb).

Hoist cable and end fittings to be thoroughly examined for defects followed by loading with a static load equal to twice the working load and then a further examination for defects.

- g. The following items are to be tested in accordance with the relevant specifications:

Bomb Skid 1740-00-294-3606

Bomb Skid 1740-00-887-0125

Adaptor 1730-00-532-0320

Adaptor 1730-00-719-9516

Adaptor 1730-00-502-0072

Adaptor 1730-00-563-3229

Adaptor 1730-00-930-7681

Adaptor 4920-00-013-7883

Adaptor 1730-00-966-5887

Adaptor 1730-00-948-3532.

The last two adaptors are for the 21A Bomb Skid and the remainder for the 12B Bomb Skid.

- h. *Torpedo Bomb Trolley*, Mark 1 4G3925 (Working Load 2,000 lb).

(1) (a) A test load of 2,500 lb should be raised through the range of lift in three minutes with a continuous operation and remain in an elevated position for half an hour without more than  $\frac{1}{4}$  in settling during this time. The minimum and maximum height for the range of lift is as follows:

(b) Ground to underside of weapon  $14\frac{7}{8}$  in minimum.

(c) Ground to underside of weapon 80 in maximum.

(2) The relief valve should be set to lift 336 lb on the quick lift large diameter pistons, and to change over to the small diameter high pressure pistons at loads 20 per cent in excess of this.

(3) The moving table should operate satisfactorily over the full range of travel in both fore and aft, and port and starboard directions, the total travel to be 8 in and 5 in respectively, and be able to tilt  $3^\circ$  downwards towards the towing handle. Rotation in azimuth  $360^\circ$ , ie, when lifted clear of the tyres.

(4) The table, when set parallel to the ground, should maintain parallelism throughout its lift to within  $\pm 1^\circ$ . The steering mechanism shall operate without fouling, and the trolley shall be capable of turning in a circle equal to 9 ft 3 in radius.

(5) The braking system should hold the trolley on a slope of one in four.

(6) The trolley is to be tested for lifting with maximum working load. The load then to remain in an elevated position and there is to be no more than  $\frac{1}{16}$  in creep when measured at the cross head, the ends of which protrude through the frame.

(7) Functioning of the trolley, as to movement of the trolley as a whole, braking when the handles are released, and movement of the head in all directions are to be quite free for maximum travel.

(8) The trolley is to be subjected annually to the overload test detailed in Sub-paragraph (1).

### Aircraft Lifting Appliances

77. Aircraft slings, power plant and engine lifting beams and slings and all other lifting tackle used with aircraft or aircraft components, are to be tested as follows:

- Air stations and establishments—at intervals not exceeding three years.
- HMA ships—at each ship refit or at intervals not exceeding three years.

78. Attention is directed to the RAN publication AP (RAN) 140, Article 12, which contains design data and appropriate test procedure for this type of equipment.

79. The Air Engineer Officer of the ship, air group or station is to keep a register of lifting tackle in his charge, listing the following information:

- The description of the appliance.
- The safe working load.
- The date when taken on charge.
- The proof load.
- Dates of tests carried out and in which dockyard.

80. He is responsible for inserting the necessary items in the periodical defect list for the testing of such appliances. Should it be suspected that a lifting appliance has been overstrained at any time, this officer is responsible, for immediately withdrawing the item from service, and for making arrangements for a survey and proof test to be carried out by Dockyard Officers as soon as possible.

81. Normally, lifting tackle bearing an AM Reference No carries a brass tally stamped with test particulars, but this may not be the case with items of early manufacture whose test load must be established on the occasion on the next test and a tally affixed in accordance with Part A, Section 4.

82. HMA dockyards are periodically issued with a revised list of aircraft slings in current use in the FAA. These drawings give sufficient information of prescribed tests and any drawings that may be required in connection with such work can be obtained on application to Superintendent of Aircraft Maintenance and Repair.

83. The Air Engineer Officer is to decide whether or not a lifting appliance is in a serviceable condition, and should be guided by the instruction for survey and inspection contained in AP 2817A. In this inspection, he is not to remove sheave pins, shackles, splice servings or protective coverings unless facilities are readily available for replacement without detriment to the efficiency of the item in question.

84. All items of lifting tackle covered by this specification are designed with a 'factor of safety' of not less than 6, except complete aircraft slings designed solely for Naval use which have a 'factor of safety' of 4. In the case of multileg slings, the safe working load for each sling leg should be shown on the identification tally with the leg at  $0^\circ$ ,  $45^\circ$ ,  $60^\circ$  and  $80^\circ$  from the vertical position.

85. Each item of lifting tackle, except fibre rope or fibre rope slings, is proof-loaded at manufacture to load equal to twice the safe working or normal load. Normal loadings are given in AP 970.

86. Proof-loading figures for separate pennants are not normally required, since the general practice is to proof-load the complete sling whilst the pennants are spread to the correct angles corresponding to their working position.

**DDGs**

87. USN tests and inspections are to apply to the DDGs until the lifting appliances become due for replacement, when they will be replaced with RAN equipment subject to the requirements of this order.

**Minesweeper Equipments****Acoustic Sweeps, Inhaul Wires**

88. The inhaul wire when rigged on the derrick is to be tested as follows:

**a. AD Mark 3:**

(1) Static test load .. .. .	5,600 lb
(2) Working load .. .. .	2,800 lb
(3) Running test load .. .. .	4,200 lb

**b. AH Mark 4:**

(1) Static test load .. .. .	4,000 lb
(2) Working load .. .. .	2,000 lb
(3) Running test load .. .. .	3,000 lb.

**Triple-barrelled Minesweeping Winches (Ton Class Minesweepers)**

89. Provided that the winches have satisfactorily passed the specified acceptance tests at makers works, the following routine tests carried out on board after each refit of the craft will be sufficient:

**a. In Harbour:**

- (1) Carry out static tests, using the following loads to prove securings to deck and functioning of brakes:

<i>Wires Fitted</i>	<i>Total Static Load</i>	<i>Composition of Test Load</i>
2½-in sweep wires .. 2-in Kite wires ..	11 tons —	4 tons on each sweep wire 3 tons on Kite wires
1½-in sweep wires .. 2-in Kite wires ..	7 tons —	2 tons on each sweep wire 3 tons on Kite wires.

- (2) Run winch on light load for one hour. Check power consumption is not excessive and that motor and bearings do not become hot.
- (3) The specified brake tests, ie, 15 tons from each of the two outer barrels and 19 tons from the inner barrel at 2 ft radius, cannot be applied to each brake singly as these loads are the breaking loads of the wires. The barrels are therefore to be clutched together and the brake torque applied as shown on Navy Office Drawings 210/ACH/93. The anchoring eyeplates shown on these drawings are diagrammatic. Where eyeplates of sufficient strength exist in the ship in suitable positions, these eyeplates are to be used. If it is necessary for the purpose of the test to fit temporary anchorages, care is to be taken not only that their fastening are of sufficient strength, but also that the surrounding structure will not be adversely affected.

**b. At Sea:**

- (1) Stream and recover minesweeping equipment at maximum sweeping speeds of ship and winch as specified. Check power consumption is not excessive.
- (2) An overload test of 7½ tons, ie, 50 per cent, in excess of maximum working load is to be hauled in at slow speed in order to test the gearing of the winch. Owing to the low factor of safety allowed on the wire due to sweeping difficulties, this test can only be applied to the kite barrel, the corresponding tests for the sweep barrels to be limited to 6 tons.

**Ships in Reserve**

90. All lifting appliances and associated fittings on Ships in Reserve are to be surveyed annually by Ships Staff and any defects revealed brought to the notice of the Dockyard Officers at the next testing period, normally when the ship is re-commissioned.

**HMA Fleet Auxiliaries**

91. For vessels built for RAN Service under the supervision of classification societies, the tests initially applied to lifting appliances do not always conform to RAN practice. In general, in vessels built under the supervision of classification societies, the initial tests applied to boat davits are in accordance with Board of Trade Regulations, whilst those for other lifting appliances conform to the appropriate Statutory Rules and Orders; in some instances, however, the tests of certain appliances conform to RAN practice.

92. The standard of tests specified by the relevant Statutory Rules and Orders are appreciably different from those adopted in the RAN Service.

93. In view of the various practices adopted, it should be ensured that subsequent tests are the same as those initially applied unless amending instructions in regard to the test loads have been issued. If in doubt as to the tests to be applied on a subsequent occasion of testing, the matter should be referred to the Naval Board.

94. In future, for ships built for RAN Service, the derricks, davits (other than for lifeboats), etc, are to be capable of withstanding tests in accordance with RAN practice.

**Mercantile Vessels Requisitioned for Naval Service**

95. When a mercantile vessel is requisitioned for Naval Service, the regulations pertaining to periodical examination and tests of all lifting appliances and associated equipment, as laid down in this order, are to be strictly complied with. If possible the dates of the last test of all wire ropes and lifting appliances are to be obtained from the Ships Officers or the shipping companies at the time the vessel is taken over. If tests are due and records are not available, tests are to be carried out during the conversion periods. In order to conform to RAN practice the working loads of all lifting appliances, except those for handling boats, are to be down-graded as follows:

'The maximum static test load applied is not to exceed the static test load for which the appliance has been tested previously under the Statutory Rules and Orders. Safe working loads for RAN purposes are to be assigned, equal to half the static test load applied. Plates clearly indicating the maximum safe working load for RAN purposes are to be affixed to all appliances after test. For vessels chartered for the carriage of Naval armament stores, appliances not required for handling such stores are to be clearly marked "Not for armament stores".'

## Maintenance Requirements

### General

96. Working parts of all mechanical appliances used in accordance with the lifting and handling equipment are to be kept clean and appropriately lubricated. When maintenance instructions are issued by the maker for a particular appliance, they are to be strictly complied with.

### Capstans, Cranes and Winches

97. The following instructions are to be observed regarding the lubricants to be used in capstans, cranes and winches:

- a. Joint Service Designation Grease XG 274, 0474-943-9814-L2 (5 lb container) is to be used for all bearings including motor bearings. Where crane makers instructions recommend other makes of grease and where those brands are now being used, the use of such makes is to continue pending the earliest favourable opportunity for thoroughly cleaning the lubricating systems and bearings and re-charging with SG 274.
- b. Oil OC-300, 0475-943-7238-L1 (45 gallon container) is to be used in all worm gear boxes, and in all spur gear boxes. When topping up gear boxes on cranes, care is to be taken to ensure that oil of the same brand is used as that which the gear box is already charged with. Where this is not known with certainty or where supplies of the original oil are not available, the gear box is to be thoroughly drained and cleaned and re-charged with the appropriate oil specified above. Oils of different grades should not be mixed.

### Wire Rope

98. Wires including strops, are to be kept as free as possible from moisture in order to avoid corrosion. They are to be periodically lubricated with a mixture of mineral grease and plumbago in order to reduce the cutting action between the strands and to prevent access of moisture. Wire ropes of cranes, etc, should be coated with Grease XG 280, 0474-910-0516 (45 lb container).

### Cordage

99. All cordage when not in use is to be dried and stowed in a well ventilated space; during its storage and when in use subsequently no part of the cordage should be allowed to come in contact with oil, acid or any other deleterious chemicals.

## Periodical Inspections

### General

100. The Commanding Officer is to ensure that the whole of the equipment of any systems, including associated hull fittings, is examined for defects before and after handling its normal load at six-monthly intervals, and also that all steel wire ropes, splices and strops are examined at frequent intervals with a view to eliminating as far as possible the liability to accident. Particular care is to be taken during these examinations having regard to the present increased interval between dockyard refits.

101. A detailed examination of crane structure, before and after use, is precluded because of the time required to do this efficiently except as required by Paragraph 8.

102. When using any machinery or equipment in very cold weather, the increased brittleness of steel that accompanies low temperature must be borne in mind and particular attention should be paid to parts of the equipment subjected to bending

stresses, eg, wires passing round small diameter sheaves, eyes of strops, eyeplates, etc, the effect of cold on the small size of wire ropes is more pronounced than on the large sizes. This defect is not of a permanent nature and recovery takes place on return to normal temperature. Special attention is to be paid to crimping or stranding of wires, to signs of drawing splices and flaw in shackles, eyeplates, and other ships fittings, used in connection with the system.

### Wire Rope

103. The breakage of a few wires is a sign that the rope has passed through one-half of its life and should be carefully watched and examined at least every month and replaced by a new one at an early opportunity.

104. When the total number of broken wires in any length of eight diameters of any wire rope used for hoisting or lowering exceeds 10 per cent of the total number of wires, the rope is unfit for use.

105. Boat slings and wires other than those referred to in Paragraph 98 are to be wiped down, monthly, with boiled linseed oil, and boat slings wire scrubbed, examined and re-coated every three months.

106. Where the hoisting ropes of lifting appliances are enclosed for any part of their length by a ponder-ball, guard or similar covering, this covering is to be removed on each occasion that an examination of the rope is carried out in order that the whole length of the rope is exposed for inspection and preservation as necessary.

### Cordage

107. All cordage should be inspected frequently and should be returned to a dockyard for test when signs of wear or chafe indicate that it may be unsafe.

### Ribbon Strops

108. Strands of ribbon strops for torpedo handling equipment are particularly liable to deterioration underneath the leather serving where so fitted. This defect cannot be detected without removing the leather.

### Davits

109. In ships fitted with destroyer type of davits, special attention should be given to the screw gears and if excessive backlash is found, this should be treated as a defect and corrected at the earliest opportunity.

### Capstans, Winches, Windlasses and Cable Holders

110. The Commanding Officer is to ensure that the winches and windlass shafts, cable holders and capstan heads and spindles are turned round and properly lubricated once a week; that the spindles and deck bushes of the capstans and shafts of winches and windlasses are examined in ship, except for ships in reserve once in every twelve months, and also that when capstan bars are shipped they are invariably well secured and swiftered to prevent accidents.

111. Great care is to be taken in the use of patent capstan compressors and controllers which are fitted to ships, and the directions for their use are to be strictly adhered to.

112. In capstans where the capstan head is secured by means of screws or bolts to a disc keyed to the spindle, the capstan head and the disc are to be parted once in every twelve months, and the bearing surfaces, keys and screws examined for deterioration by rust and any other damage, such as fractured bolts, faulty feather keys, etc.

113. The bearing surfaces are to be cleared of any rust and well greased before the capstan head and disc are replaced. If any repairs are found to be necessary and beyond the capabilities of the Ships Staff, they are to be included in the next defect list forwarded for the vessel concerned.

114. For ships in reserve, the spindle and deck bushes of capstans and the shafts of winches and windlasses are to be examined once in every two years.

#### Lifting Gear to Armour and Other Heavy Hatches

115. The lifting gear should be examined quarterly, special attention being given to the condition of the shackle pins which should be removed if showing signs of wear. For tests of geared blocks *see* Paragraph 43.

#### ANNEXE A

1. The following list is extracted from ABR 5144 'Support Craft' and gives the lifting weight in tons of ships boats, including crew and equipment.

Type	Lifting Weight
40 ft PERSONNEL BOAT (STALWART)	9.09 (2 men)
40 ft UTILITY BOAT (STALWART)	9.02 (2 men)
34 ft SURVEY BOAT (SMB 3401 and SMB 3402)	7.95 (2 men)
34 ft SURVEY BOAT SMP 3403-3405	7.59 (2 men)
34 ft SURVEY BOAT 1970 DESIGN CONVENTIONAL	6.90 (2 men)
34 ft SURVEY BOAT 1970 DESIGN JET PROP	6.75 (2 men)
33 ft SEA BOAT	5.23 (4 men)
33 ft FLEET UTILITY BOAT	5.42 (4 men)
33 ft ADMIRAL'S BARGE	5.68 (3 men)
32 ft MOTOR CUTTER	5.1 (3 men)
28 ft VIKING LIFEBOAT	3.00 (2 men)
27 ft MOTOR WHALER	2.39 (4 men)
26 ft PERSONNEL BOAT (USN)	4.10 (2 men)
26 ft WHALEBOAT MARK 9 (USN)	2.55 (2 men)
26 ft SEA BOAT	3.43 (3 men)
26 ft UTILITY BOAT	3.52 (2 men)
25 ft MOTOR CUTTER	2.74 (2 men)
17½ ft MOTOR DINGHY	1.39 (2 men)
17½ ft LIGHTWEIGHT UTILITY BOAT, VARIANT A	0.625 (1 man)
17½ ft LIGHTWEIGHT UTILITY BOAT, VARIANT B and C	0.513 (1 man)
14 ft 'SEAMASTER' DINGHY (PATROL BOATS)	0.225 (1 man)
14 ft 'BOSUN' SAILING DINGHY	0.35 (2 men)
12 ft 'SEABIRD' DINGHY (LCH)	0.20 (1 man)
12 ft 'QUINTREX' DINGHY (FLINDERS)	0.20 (1 man)

2. All boats constructed after 1971 will have their lifting gear designed to take a full complement of passengers in addition to the weights listed above.

3. However, before the lifting appliances on ships are tested to the increased loads, Dockyard Survey or Testing Authorities are to ensure that the davits and associated gear have been designed to lift the new boats in their fully loaded condition.

(400/201/152)

(Navy Orders 84/73 and 217/74)



RESTRICTED

HISTORIAN

ANOs 149/75-154/75



# AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,  
16 May 1975.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

RESTRICTED



ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

DEFENSE—DEFNAV General Messages

This publication is published by the Department of Defence, Canberra, Australia, under the authority of the Secretary of Defence.

It may be obtained from the following sources:

- 1. The Department of Defence, Canberra, Australia.
- 2. The Department of Defence, Canberra, Australia.

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RESTRICTED

DEFENSE—Photography—Titling, Registration, Storage and Disposal of Photographic Negatives and Prints

Additional copies of Navy Orders may be readily obtained by:

- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 4718.

## Section 1

## ADMINISTRATIVE AND GENERAL

## UNCLASSIFIED

## 149/75—DEFNAV General Messages

1. In accordance with Navy Order 341/74, the state of DEFNAV General Messages as at 1 April is shown in Annexe A to this order.
2. Navy Order 29/75 is hereby cancelled.

## ANNEXE A

1. The following F messages may be withdrawn:

1974

72, 82, 86, 108, 112, 123, 149, 156, 157, 161, 190, 217 (cancelled by ABR 1991 Change 10), 229, 233.

1975

3 (not issued), 11, 49.

2. As at 0001Z April the following F messages were in force:

1974

66, 67, 68, 69, 70, 71, 73, 74, 75, 76, 77, 78, 79, 80, 81, 83, 84, 85, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 109, 110, 111, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 150, 151, 152, 153, 154, 155, 158, 159, 160, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 230, 231, 232, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 250, 251, 252.

1975

1, 2, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86.

(77/1/14)

(Navy Orders 341/74 and 29/75)

## RESTRICTED

## 150/75—Photography—Titling, Registration, Storage and Disposal of Photographic Negatives and Prints

1. This order gives the procedure for the titling, registration, storage and disposal of ground films, negatives and prints.
2. The procedures to be followed for air photography are promulgated in AAP 178, Chapter 4, and those for surface gunnery films (dial recording and director aim) are contained in ABR 1043.

**Disposal of Prints and Negatives**

3. Prints and ground negatives are to be disposed of in accordance with the instructions issued by the authority initiating the order for photographs to be taken. The negatives should be retained in the parent ship unless specific instructions to the contrary are given:

- a. Unclassified prints and lantern slides may be considered as consumable and may be destroyed when no longer required.
- b. At the discretion of the Commanding Officer, two prints of each ground negative, likely to be of interest, are to be sent to the Secretary, Department of the Navy, as hereunder:
  - (1) Security classified (in accordance with RI 3922 and 3923 (3) (e)), operational, hydrographic—as soon as possible.
  - (2) Unclassified—every three months.
  - (3) Operational and other air negatives showing any ground detail which may be useful for intelligence purposes are to be forwarded to the Director of Naval Intelligence.

**Titling of Ground Negatives**

4. All ground negatives are to be titled in the rebate on the emulsion side as follows:
- a. Security classification.
  - b. Ship or establishment.
  - c. Negative serial numbers (from the ships Ground Negative Register).
  - d. Date exposed.

*Example:* RESTRICTED—MELBOURNE G 435 19 NOV 1967.

**Registration of Ground Negatives**

5. *Ground Negative Register:* This is to be arranged in columns containing the following information:

- a. First Column .. Ships negative serial number prefixed by letter 'G'.
- b. Second Column .. Date exposed.
- c. Third Column .. Size of negative.
- d. Fourth Column .. Remarks—to include security classification, if any, written in red ink.
- e. Fifth Column .. Eventual disposal.

Negative Serial No 'G'	Date Exposed	Negative Size	Remarks	Eventual Disposal
G.619	8 Sept 67	5 x 4	Island Superstructure	Destroyed 9 June 1968

**Storage of Ground Negatives**

- 6. a. *Cut film negatives:* are to be stored in order by serial number in the drawers of a cabinet, card index. Each negative is to be protected by a transparent storage envelope. The negative serial number is to be written on the outside of the envelope.

b. *Roll film negatives:*

- (1) those which would lose their continuity by being cut and treated as a series of single negatives are to be stored in suitable cartons which should be numbered on the outside as if one negative were enclosed;
- (2) those which can be cut, should be dealt with as a series of single negatives (see 6 a. above).

**Public Relations and Publicity**

- 7. a. The above directions do not apply to the handling of public relations and publicity photographic material.
- b. Negatives of all general interest pictures, and of photographs taken specifically for publicity and PR purposes, should be dispatched by the fastest available means to the Director of Public Relations at Navy Office. After printing and appropriate distribution by DPRs Photographic Section, the negatives are filed in the Navy Office Central Photographic Library where they are readily available for all future purposes.
- c. Detailed directions on the handling of publicity and PR negatives, are contained in RI Chapter 59.
- d. *Procedure on Paying Off or Disbandment:*  
When photographic sailors leave ships and are not immediately replaced, any remaining negatives on board should be disposed of as follows:
  - (1) *Classified Negatives:* forwarded to the Secretary, Department of the Navy, for assessment by the appropriate Director.
  - (2) *Unclassified Negatives:* forwarded to the Director of Navy Public Relations for assessment, indexing and filing at Navy Office.

8. The following instructions on the security treatment of photographs are to be carefully followed. The term 'photograph' as used in this paragraph, includes any air or ground negative and any print therefrom:

- a. Security grading must be obtained from the service or authority initiating the order for the photographs to be taken. The instructions contained in Chapter 3 of ACB 0337 provided general assistance in determining security classifications. Where doubt exists the advice of the ships or command Security Officer should first be sought before consulting the Director of Naval Intelligence.
- b. Private photographs: the regulations governing the taking and disposal of private photographs are contained in RI Article 3925. When photographs are taken privately by naval officers and sailors and are deemed to be of a classified nature, they are henceforth to be dealt with in all respects as officially taken classified photographs.
- c. Removal of photographs from any categories of security so that they become UNCLASSIFIED is to be carried out on the authority of the service or department directly concerned.
- d. It is the responsibility of all concerned to ensure that classified photographs do not fall into the hands of unauthorised persons. All unclassified photographs that are not required for filing for record purposes, or for their historical or archival value, are to be destroyed.
- e. All photographs of RESTRICTED and higher classification should be stowed in containers of the appropriate security group as detailed in Chapter 6 ACB 0337.

f. Photographs of 'protected subjects' are automatically to be graded as CONFIDENTIAL. A 'protected subject' is any place, installation, establishment, equipment, material or like matter, photography of which is prohibited or controlled by the department concerned and in respect of which the department has made an order or regulation or issued an instruction.

g. The following is a list of protected subjects; this list is subject to amendments, and it is the duty of the persons concerned to be acquainted with all such amendments:

- |                            |       |  |
|----------------------------|-------|--|
| (1) <i>Naval</i>           | .. .. | Warships.<br>Dockyards.<br>Naval armament depots.<br>Experimental establishments and any subject regarding which special security instructions are issued. |
| (2) <i>Army</i>            | .. .. | Arsenals.<br>Military depots and dumps.<br>Major defence works.<br>Barracks.<br>Gasoline bulk stowage depots.<br>Research and development establishments.  |
| (3) <i>Air Force</i>       | .. .. | Air Force stations.<br>Air Force maintenance and storage units.<br>Experimental establishments.<br>Gasoline bulk stowage.                                  |
| (4) <i>Service—General</i> | .. .. | Units or establishments which are not shown in the Navy, Army or Air Force List.   |

9. Navy Order 134/72 is hereby cancelled.

(164/201/5)

(Navy Order 134/72)

## UNCLASSIFIED

### 151/75—Safety—Handling of Components Containing Beryllium Oxide

1. Certain systems in the RAN contain components manufactured from Beryllium Oxide, which is classified as toxic material. In the manufactured form used in these units the components present no hazard, but should the components be broken or involved in fire, and small amounts of powder or chippings be released then certain safety precautions must be observed.

2. On no account are Beryllium Oxide components to be subjected to any action liable to produce dust, chippings or fumes, ie, grinding, filing or burning.

3. Any person contaminated by fumes, powder or chips from Beryllium Oxide must report immediately to the Medical Officer. Acute Beryllium poisoning can affect any level of the respiratory tract, causing rhinitis, nasopharyngitis, tracheo bronchitis or pneumonitis. On the skin it evokes a dermatitis, mainly on exposed parts. The acute disease can be successfully treated by removal from exposure, symptomatic treatments with a short high level course of Corticotrophin or Cortisone succeeded by long term oral Cortisone in dosages sufficient to control dyspnoea and cough. Supportive therapy with oxygen, bronchodilators and antibiotics is indicated.

4. Any area contaminated by chips or particles of Beryllium Oxide is to be cleaned with a vacuum cleaner (having disposable paper bags) reserved especially for this type of work. The contaminated area is then to be wet cleaned, without the use of a high pressure hose.

5. Beryllium Oxide components, damaged or not, and any contaminated material, are to be disposed of by placing in a metal container, which is to be sealed and clearly labelled with the nature and name of contents, ie, 'Hazardous, Material, Beryllium Oxide (BeO)'. The sealed container is to be disposed of in accordance with local regulations. All personnel involved in the operation are to shower and change their clothing on completion; the discarded clothing is to be laundered separately from uncontaminated clothing.

6. Hands are to be washed on completion of any operation involving the handling of Beryllium Oxide components.

7. All Beryllium Oxide components must have warning tallies attached.

8. Naval and dockyard personnel are expressly forbidden to repair or attempt to repair Beryllium Oxide components.

9. The instructions of this order are to be incorporated into departmental orders.

10. Navy Order 373/72 is hereby cancelled.

(740/53/85)

(Navy Order 373/72)

## Section 2

### PERSONNEL

## UNCLASSIFIED

### 152/75—Visit of Schoolboys to the Fleet and Establishments

1. Limited financial provision is available under Division 604—Incidental and Other Expenditure to assist visits to HMA ships and establishments (not involving the provision of overnight accommodation) by parties of schoolboys from schools which would otherwise be unable to arrange such visits by reason of distance or lack of funds.

2. Assistance is restricted to schools within a days return journey by rail or bus and is limited to:

- a. reimbursement where necessary of the return rail fares for each member of the party or where rail travel is not practical or convenient, the cost of hire of a bus for the conveyance of the party to the ship or establishment and return to the school; and
- b. provision of a casual meal or light refreshment where practicable.

3. Captains or authorities who wish to arrange such visits should inform the Naval Board by letter or signal quoting this order and giving the following particulars:

- a. Name and location of school;
- b. approximate size of party;
- c. name of ship and port, or establishment to be visited;
- d. method of travel and, if applicable, estimated cost of hire of bus;
- e. casual meals or refreshments likely to be required; and
- f. dates, including alternatives, on which visit is desired.

4. Provisions issued are to be recorded on Form SX100-1/SX100-2 and entered on Form SA272—Ledger Sheet, as 'other issues'.

5. Navy Order 145/72 is hereby cancelled.

(42/222/215)

(Navy Order 145/72)

## Section 4

## EQUIPMENT, STORES AND SERVICING

## UNCLASSIFIED

## 153/74—Laundry Charges in HMA Ships

1. A uniform charge shall continue to apply in Ships' laundries for the laundering of Service property, including items of protective clothing issued in accordance with Navy Order 15/75 on personal loan, to defray the costs of laundry materials used.

2. A flat rate of fourteen cents per dozen articles is to be charged to public funds in respect of all Service items laundered. The increased rate may be charged retrospectively from 1 January 1975.

3. Navy Order 208/73 is hereby cancelled.

(900/57/4)

(Navy Order 208/73)

## AMENDMENTS

## UNCLASSIFIED

## 154/75—Medical, Hospital and Dental Treatment of United Kingdom Personnel in Australia

Navy Order 206/73 is to be amended as follows:

Delete Paragraph 25 and insert the following new Paragraph:

## Contributions Towards Cost of Dentures and Bridges

25. Reimbursement of the cost of artificial dentures will be subject to a deduction as indicated hereunder, calculated at the current fixed exchange rate notified by Navy Office from time to time.

Note: However in no case is the patients contribution to exceed £Stg10.00:

## a. Dentures in Synthetic Resin:

(1) full upper plus full lower denture .. .. .	£Stg8.75
(2) full upper or full lower denture .. .. .	£Stg5.10
(3) denture bearing one, two or three teeth .. .. .	£Stg4.00
(4) denture bearing four to eight teeth .. .. .	£Stg4.80
(5) denture bearing nine to fourteen teeth .. .. .	£Stg5.25

provided that no fee for upper and lower dentures shall exceed £Stg8.75

(6) additional fee for lingual or palatal bar, gold or other approved material—such fee as may be approved not exceeding .. £Stg3.70

b. Additional fee for the provision of soft lining or soft partial lining where this is required on account of the abnormal anatomical condition of the patients alveolus—£Stg1.30 per denture;

c. Backing and tagging of teeth on non-metallic based dentures—fee per tooth in addition to the appropriate fee for a non-metallic based denture; chrome cobalt or a precious metal alloy: £Stg1.10.

d. *Metal Based Dentures.* These dentures may not be provided until such period after extraction (normally not less than three months) as the dentist thinks fit:

Fee per denture in chrome cobalt dentures:

(1) partial denture bearing one, two or three teeth .. .. .	£Stg9.75
(2) partial denture bearing four, five or six teeth .. .. .	£Stg9.90
(3) partial denture bearing seven, eight or nine teeth .. .. .	£Stg10.00
(4) partial denture bearing ten or more teeth .. .. .	£Stg10.00
(5) full denture .. .. .	£Stg9.50
(6) additional fee where teeth are backed in any metal .. .. .	£Stg0.65
up to a maximum of £Stg2.60 per denture.	per tooth

e. Contributions towards the cost of bridges will be determined by the Director-General of Naval Health Services.

(156/51/23)

(Navy Order 206/73)

STATE  
SECRET

UNITED STATES GOVERNMENT  
DEPARTMENT OF THE ARMY  
OFFICE OF THE SECRETARY

CONFIDENTIAL

MEMORANDUM FOR THE SECRETARY OF THE ARMY  
SUBJECT: [Illegible]

1. [Illegible]

[Illegible text block]

- 2. [Illegible]
- 3. [Illegible]
- 4. [Illegible]
- 5. [Illegible]
- 6. [Illegible]
- 7. [Illegible]

[Illegible text block]

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- 8. [Illegible]
- 9. [Illegible]
- 10. [Illegible]
- 11. [Illegible]
- 12. [Illegible]
- 13. [Illegible]
- 14. [Illegible]

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(S)

[Illegible]

Historian

**RESTRICTED**

ANOs 155/75-161/75



# AUSTRALIAN NAVY ORDERS

115/75

SECTION 2—GENERAL  
115/75 The Naval Board (Flag) Order

SECTION 3—ADMINISTRATIVE AND TECHNICAL  
115/75 Administrative Matters Committee  
115/75 Working Arrangements—Production of 1975 Orders

Navy Office, Canberra,  
30 May 1975.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

SECTION 5—NOTES, CORRESPONDENCE, FORMS AND STATISTICS  
115/75 Liaison Committee and Committee of Liaison  
Managed by Liaison Office, Production, 20 May 1975

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

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AUSTRALIAN  
NAVY ORDERS

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160/75	Lubricants—Sterntube Lubricating Oil.
<b>SECTION 5—BOOKS, CORRESPONDENCE, FORMS AND STATIONERY</b>	
161/75	Information Concerning and Distribution of Publications and Amendments Managed by Executive Officer Publications, Sydney—March 1975.

Additional copies of Navy Orders may be readily obtained by:

- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 4718.



## Section 1

## ADMINISTRATION AND GENERAL

UNCLASSIFIED

## 155/75—Australian Naval Institute

1. The Australian Naval Institute has been formed and incorporated in the Australian Capital Territory. The main objects of the Institute are:

- a. To encourage and promote the advancement of knowledge related to the Navy and the Maritime profession.
- b. To provide a forum for the exchange of ideas concerning subjects related to the Navy and the Maritime profession.
- c. To publish a journal.

2. The Institute is self-supporting and non-profit making. All publications of the Institute will stress that the authors of articles express their own views and opinions and that these are not necessarily those of the Department of Defence, the Naval Board, the Editorial Board or the Institute. The aim is to encourage freedom of discussion, dissemination of information, comment and opinion and the advancement of professional knowledge concerning naval and maritime matters.

3. The membership of the Institute is open to:

- a. *Regular Members*—Members of the Permanent Naval Forces of Australia.
- b. *Associate Members*:
  - (1) Members of the Australian Naval Reserves.
  - (2) Members of the other Australian Services both regular and reserve.
  - (3) Australian ex-servicemen.
  - (4) Interested civilians.
- c. *Honorary Members*—Persons who have made a distinguished contribution to the Navy or the Maritime profession or by past service to the Institute.

4. Joining fee for Regular and Associate Members is \$5.00. Annual subscription for both is \$10.00.

5. Inquiries and application for membership should be directed to:

The Secretary  
Australian Naval Institute  
PO Box 18  
DEAKIN ACT 2600.

6. This order will be reprinted for notice board issue.

(N110/1/95)

## Section 2

## PERSONNEL

UNCLASSIFIED

## 156/75—The James Martin Flight Safety Award

1. The James Martin Flight Safety Award was established in 1969, and consists of a gold medal and a monetary gift. It is given annually to a person of the British Commonwealth or NATO countries who has made an outstanding and practical contribution leading to the safety of military aircraft or alternatively, who has performed

an outstanding act of valour connected with the operation of military aircraft either on the ground or in the air. In the latter case the act of valour needs to have a flight safety connotation. The award is made annually by the United Kingdom Guild of Air Pilots and Air Navigators, and nominations close in June.

2. The award is intended to go to a young rather than a distinguished person, and to an individual rather than to a unit. It could, for example, be given for a device that would lead to increased safety in the air, such as a significant modification to the aircraft, its engines or instrumentation. When given for valour, the award could be for rescuing personnel from a blazing aircraft, or some act when airborne that contributed to the safe recovery of the aircraft; the fact that some other decoration might also be awarded for such an act need not affect the issue.

3. Recommendations for the award should cover action during the twelve months immediately preceding the closing date and be submitted through normal channels to the Special Deputy, Department of Defence (Navy Office), by 30 April each year. Consideration will then be given to forwarding the recommendation to the Guild.

4. Navy Order 211/72 is hereby cancelled.

(38/1/206)

(Navy Order 211/72)

### Section 3

## OPERATIONAL AND TRAINING

### RESTRICTED

#### 157/75—Anti-Submarine Aircraft Controllers

1. In order that ASW aircraft receive efficient control during ASW operations, ships are complemented with RP sailors who are qualified Anti-submarine Aircraft Controllers (ASACs). In addition certain officers are qualified ASACs.

#### Qualifications

2. To align RAN controllers with the standards in COMBEXAG V, there will be one qualification only, that of ASAC. To reflect the experience and skill of an ASAC, three grades of controller have been introduced. These are as follows:

- Grade A*—may control ASW aircraft by day or by night in all weather conditions.
- Grade B*—may control ASW aircraft by day or by night when conditions are suitable for VMC flights.
- Grade C*—may control ASW aircraft by day when conditions are suitable for VMC flights.

#### Award of Control Grade

3. Qualifications for the award of each grade are:

- Grade A*. The controller is to pass a test conducted by a Direction Officer, SDPR ASAC A on the Fleet Staff, ND School Staff, an officer qualified ASAC A or the ASW Helicopter Squadron. The test is to consist of at least thirty minutes simultaneous live control of a mix of three ASW aircraft. The test is to include employment, tactics, exchange of control procedure

and emergencies. The live control test is to be followed by a verbal examination which is to satisfy the officer conducting that the ASAC has sufficient knowledge to provide the safe and accurate control and supervision nominated in Paragraph 2a.

- Grade B*. On successful completion of the ASAC Course (No 903290) at HMAS WATSON, an ASAC (including the rotary wing observer who completes the ASAC training segment of the RAN Sea King OFT) will be a Grade B controller who is capable of controlling a maximum of three ASW aircraft under VMC conditions. Grade C controllers who pass the requalification course will become Grade B controllers.
  - Grade C*. An ASAC B who has not achieved the amount of ASW control required in Paragraph 12 will become an ASAC C.
4. From the date of this Navy Order the following qualifications apply to present ASACs:
- Officers*. Officers who have controlled ASW aircraft or instructed ASACs within the previous year (from the date of this Navy Order) are classed ASAC Grade A. All other officer ASACs are Grade B initially.
  - Sailors*. Sailors who held the qualification ASAC 1 are classed ASAC Grade A. Sailors who achieved the control hours stated in Paragraph 12 during the previous year from the date of this Navy Order are classed ASAC Grade B. All other sailors are Grade C.
5. Officers and sailors are to write their new qualification on the first page of their Air Controllers Log Book quoting Paragraph 4 of this Navy Order as authority. Ships are to signal the new grades of their ASACs to Navy Office, COMAUSFLT and HMAS WATSON on receipt of this Navy Order.

#### Control Rules

- When a controller assumes control of an aircraft he is to advise that aircraft of his ASAC grading.
- ASW aircraft operate under either Positive Control or Self Control.
- The following definitions apply to terms used in ASW aircraft control:
 

<i>Control</i> . . . . .	Pass the necessary orders to an aircraft to enable that aircraft to fly a required flight path with safety and carry out the necessary actions to fulfil its task.
<i>Positive Control</i> . . . . .	The tactical control of aircraft by a designated control ship, whereby the aircraft receives orders affecting its movements which immediately transfer responsibility for the safe navigation of the aircraft to the ship issuing such orders.
<i>Self Control</i> . . . . .	An aircraft is under self control when it receives orders or information which may cause the captain of the aircraft to alter its movements, but which do not relieve him of his prime responsibility for its safe movement and navigation. The person issuing these orders must, however, ensure the safety of the aircraft to the best of his ability.
<i>Surveillance</i> . . . . .	Tracking an aircraft on radar and providing sufficient information for the aircraft captain to safely fulfil his mission.

**Close ASW Action** .. An action in which one or more ASW units attempt to engage a hostile submarine within 5,000 yards (ATP 1 (B)—Glossary).

#### Complements

9. Schemes of Complement will have the following ASAC requirements noted in the remarks column alongside RP sailor's billets:

HMAS MELBOURNE	..	1 ASAC A, 5 ASAC B
DDG	..	1 ASAC A, 1 ASAC B
DD and DE	..	2 ASAC B
Fleet Training Group	..	1 ASAC A
HMAS WATSON	..	1 ASAC A, 5 ASAC B

10. Posting instructions for HMA ships STALWART and MORESBY will show that one ASAC B is to be borne when aircraft are embarked. Administrative authorities are to signal Department of Defence (Navy Office) whenever helicopter embarkations to HMA ships STALWART and MORESBY are planned so that posting action can be implemented.

#### Training

11. Course No 903290 is conducted by HMAS WATSON and includes a period at sea for live control. It is restricted to a maximum of six students. On successful completion of course, graduates are issued with an Aircraft Controller's Log Book in which they are to record all live and synthetic aircraft control achieved. The Log Books are to be presented monthly for review by Commanding Officers so that they may appreciate the standard achieved and initiate possible remedial action where necessary. Recommended volunteers from LSRPs and ABRPs qualified for LSRP are to be reported to Navy Office on Form PE137. Sailors will not be loaned for course until they are promoted to Leading Seaman.

#### Continuation Training

12. To remain current, the aim is for an ASAC to achieve, each twelve months, at least forty-eight hours live and synthetic ASW control. The number of hours aimed for is to count from the date of his qualifying or requalifying, and should include twenty hours of live helicopter control. To enable continuation training to be planned, and out of date controllers to be included in future requalifying courses, Commanding Officers are to arrange for Log Books to be sighted quarterly by the Fleet Direction Officer. In the case of aircrew ASACs, this review is to be undertaken by the ASW Helicopter Squadron.

#### Requalification Course

13. HMAS WATSON, in consultation with the Fleet Direction Officer, or the ASW Helicopter Squadron will maintain records of control hours achieved by individual controllers. ASACs who do not achieve forty-eight hours live and synthetic control in twelve months in accordance with Paragraph 11 will be automatically categorised Grade C and will be required to undergo Course No 903190 of five days at HMAS WATSON, dates of which will be included in the Sailors Course Program Navy Order. On advice from HMAS WATSON, Commanding Officers are to make necessary arrangements with HMAS WATSON to lend officers and sailors for the course. Controllers who fail the requalification course will lose their ASAC qualification. The course is restricted to a maximum of four students.

#### Removal or Relinquishment of Qualification

14. The qualification of ASAC should be removed from any controller who, in spite of supervision and any necessary requalification course, is considered to be unsafe, incompetent or lacking the requisite motivation. Similarly, any controller may relinquish his qualification if he lacks enthusiasm and motivation to such an extent that he can no longer carry out his duties safely and effectively.

15. Because of the cost and high attrition rate of the ASAC Course, Commanding Officers are to ensure that all possible encouragement and training opportunities are given to ASACs before recommending either removal or relinquishment of the qualification. Adverse recommendations are to be forwarded to COMAUSFLT (Fleet Direction Officer) for comment and Navy Office for decision.

#### Conversion Training for Helicopter Controllers and USN ASACs

16. Officers and sailors qualified HC2 or HC1 or USN ASAC will be lent to HMAS WATSON for Course No 901481 for conversion to ASAC Grade B.

#### Reporting Results

17. The Commanding Officer HMAS WATSON is responsible for reporting results of courses; HMAS WATSON, The Commanding Officer of the ASW Helicopter Squadron or COMAUSFLT for reporting upgrading to ASAC Grade A. Forms PE5 are to be used.

(519/1/19)

#### RESTRICTED

#### 158/75—Plotting Symbols—Introduction of NCDS Symbology

##### Introduction

1. The RANs entry into digital computer Command and Control systems has necessitated a review of plotting symbols in use in the Action Information Organisation. The Naval Combat Data System (NCDS), being introduced into the DDGs, has symbols which are designed to logically develop from simple basic designs to more complex designs which display near-real time actions associated with particular units or weapon systems.

2. To achieve uniformity, avoid confusion and simplify training, the plotting symbols currently used in the RAN are to be replaced by NCDS symbols on 1 August 1975.

##### Training

3. Instruction on the new symbols will commence with Basic RP course 3/75. Ships wishing to carry out a one day course to assist in the change-over, are to apply directly to the Commanding Officer, HMAS WATSON.

4. General introduction to NCDS symbols is contained in Annexe A. The symbols depicted are those which replace the most commonly used symbols on non-NCDS plotting tables and which are to be taught to the Basic RP course. Personnel who are posted to NCDS ships will be taught the full range of symbols at the Combat Data System Centre, Canberra, or on board during on the job training. With experience, the number of symbols to be taught to the Basic RP course may be increased by HMAS WATSON.




5. The conventions for tracks, colours, symbol sizes, rackets, racket areas and dog-boxes, as described in BR 1982—A10 User Instructions, remain unchanged.

ANNEXE A

General Introduction to NCDS Symbols

Basic Symbols










1. The basic symbols are derived from the following shapes:

Friendly	
Hostile	
Unknown	




Vehicular Track Symbols

2. Symbols which represent Air, Surface or Subsurface craft are called vehicular track symbols and represent tracks with specific identity (unknown, hostile, or friendly); category (air, surface, or subsurface); and classification (interceptor, helo, LRMP aircraft, etc):





Identity/Category

	Air	Surface	Subsurface
Friendly			
Hostile			
Unknown			

Classifications










	Own Ship
	Interceptor (friendly)
	Interceptor (hostile)

ANNEXE A—continued











	LRMP Aircraft (friendly)
	ASW HELO (friendly)
	Aircraft Carrier (friendly)
	Aircraft Carrier (hostile)

Special Symbols

3. Special symbols represent fixed points about own ship or with regard to the formation or fleet. Such points may be fixed (eg, Grid Origin or Downed Aircraft), or may be a relative position to a moving track (eg, Formation Centre). These are as depicted:

	Position and Intended Movement (PIM)
	Grid Origin or Data Link Reference Point (DLRP)
	General Reference Point
	Combat Air Patrol Station
	Man in Water
	Aircraft Corridor Tab
	ASW Screen Centre
	Formation Centre
	Navigation Hazard

ANNEXE A—continued




	ASW Water Entry Point
	Nuclear Surface Zero
	Downed Aircraft
	ECM Fix
	ASW Force
	Datum
	Brief Sonar Contact
	Sonobuoy
	Non-submarine
	Sinker

General Plotting Symbols














4. Identity

Symbol  
SURFACE




Description

Unknown		General
Friendly		General (Cruiser, Destroyer, FPB)
		Own Ship

ANNEXE A—continued

Identity	Symbol	Description
		Carrier
Hostile		General
		Missile Platform
<b>SUB-SURFACE</b>		
Unknown		General
Friendly		General
Hostile		General
		Missile Platform
<b>AIR</b>		
Unknown		General
Friendly		General
		Interceptor
		ASW F/W Aircraft
		ASW Helo
Hostile		General









ANNEXE A—continued

Identity	Symbol	Description
		Interceptor
		Missile
		Missile Platform




ANNEXE B

Example of NCDS PPI Generated Symbology

1. The following symbols are an example of the data information displayed in an NCDS ship in response to actions generated within the ship. A comprehensive guide to symbol build-up will be promulgated in the new RAN AIO Manual:

1.  Tentative Track
2.  Air hostile—single or unknown size
3.  Air Raid size—Few
4.  Air Raid size—Many
5.  Assigned MR (Own Ship)
6.  Ordered for assignments to Missile/Gun Radar
7.  Ordered for/and assigned Missile radar 2 assigned
8.  Missile radar 2 acquired

ANNEXE B—continued

9.  7-8 Combined and Firing solution computed
10.  System ready to fire
11.  Missile in flight

(330/1/5)

Section 4

EQUIPMENT, STORES AND SERVICING

RESTRICTED

159/75—IKARA Missile and Associated Preparation Equipment Defect Investigation and Repair

1. This order details the procedures to be used for the investigation and repair of IKARA missiles, missile test equipment, depot handling equipment, and special tools. The procedures for raising and distributing defect reports are contained in Navy Orders 313/73 and 314/73.

2. For convenience, because of different procedures involved, the equipment has been divided into two separate categories, as follows:

- Category 1: Missiles and Accessories.
  - Category 2: Missile Test Equipment, Special Depot Tools, Depot Handling Equipment, Packaging and Miscellaneous Equipment.
- a. *Missiles and Accessories* include missile components, wings, SVUs, tele-senders, clear launcher motors, test missiles, instrumented portable and monitoring fins, and minor accessories.
  - b. *Missile Preparation Equipment* includes CSTE and SVU test equipment, special tools, depot handling and packaging equipment and sundry missile test equipment at Depot/RANITE.

Procedure

4. The procedure to be followed for each category is as follows:

Category 1: Missiles and Accessories

a. Defects Discovered on Board Ships

- (1) Repair of defective items in this category is not to be carried out on board ships. Defective items are to be returned to RANAD Kingswood at the first available opportunity, accompanied by defect reports.
- (2) On receipt RANAD will present the defective item to RANMME for testing. Where possible RANMME will replace or repair the defective item, and in the case of explosives components, return them to RANAD for investigation, and repair if possible.

- (3) Repairable items not within the capacity of RANMME or RANAD are to be dispatched by SASO to the relevant repair authority or contractor for defect investigation and repair. Each item is to be accompanied by a covering defect report.
- b. *Defects Discovered in Depot*  
Items found defective at RANMME or RANAD are to be repaired or issued for repair as in Sub-paragraph 4a. above.
- c. *Dispatch Advice*  
Dispatch of items for repair is to be advised by SASO Sydney, as follows:  
(1) *South Australia*: By teletype to MANINDY ADELAIDE (FOR PRODUCTION BRANCH) copied to INO ADELAIDE and RANMME.  
(2) *Victoria*: By teletype to GAF Melbourne or MARIBEX as appropriate, copied to INO Melbourne, MANINDY Melbourne (For AGWEIP) and RANMME.
- d. *Progress Reports*  
Department of Manufacturing Industry reports on repair progress are circulated quarterly by AGWEIP (Vic) and the Production Branch (SA). The reports include:  
(1) Repair Authority and date of receipt.  
(2) Item by item repair progress.  
(3) Defect Report reference.  
(4) Estimated repair costs.  
(5) Funding approved.  
(6) Estimated delivery.  
(7) Date of return to RANAD or RANITE as appropriate, and actual repair cost.  
Copies of the report for the Navy are forwarded to RANAD and RANMME Kingswood and A/DFM (W), DAS-N and IPM in Navy Office.
- e. *Defect Investigation and Repair Reports—TI345*  
After repair, one copy each of a completed TI345 is to be distributed to RANMME, A/DFM (W), DNOI and for explosives items to SASO.

#### Category 2: Missile Test Equipment, etc

- a. Defective items in this category will be reported in accordance with current instructions for Depot Equipment. Where possible RAN establishments will conduct repairs to their own equipment. Otherwise repairable items are to be dispatched to the relevant repair authority at the first opportunity, accompanied by a copy of the covering defect report.
- b. Dispatch advice of items for repair is to be in accordance with Sub-paragraph 4c above. Details of items forwarded direct by RANITE are to be advised to SASO Sydney for funding action. Repair progress will be reported in accordance with Sub-paragraph 4d above.

#### Funding Arrangements

5. SASO Sydney will provide Regional Authorities of the Department of Manufacturing Industry with an annual funded demand to cover anticipated repairs. Each item for repair will be accompanied by a sub-order funded at an amount which is the estimated mean (EM) cost for repair of that item. Where the estimated repair cost of an individual item exceeds the EM cost by 10 per cent or \$200, whichever is the less, the Department of Manufacturing Industry Regional Authorities will refer the estimate to SASO for decision. Otherwise repair will be effected on receipt of the

sub-order and a claim submitted, adjusted for the actual repair cost of the item. The EM cost of repairable items is to be calculated annually by the Department of Manufacturing Industry and agreed by the Department of Defence (Navy Office) prior to raising the annual Procurement Demand.

(740/252/408)

(Navy Orders 313/73 and 314/73)

#### UNCLASSIFIED

#### 160/75—Lubricants—Sterntube Lubricating Oil

1. A new type of sterntube lubricant, NEOX 8000, is being introduced into the RAN to replace 0725-220-1627 NEOX 'D' HEAVY OIL. The use of heavy grade oil is restricted to hot climates. When moving to cold temperate climates a medium grade oil has to be used. NEOX 8000 has the advantage that it is suitable for both types of climate. NEOX 'D' Heavy Oil is compatible with NEOX 8000, consequently there is no restriction on mixing the two in any proportion.

2. NEOX 8000 is supplied in 45 and 5 gallon drums. Supply is to be made on demand by HMA Ships VAMPIRE, VENDETTA, DUCHESS, MORESBY, SWAN, TORRENS, DERWENT, STUART, PARRAMATTA and YARRA, as follows, when existing grades are no longer available:

Stock No	Description	Acctg Classn	Depot	Unit of Issue
9150 99-224-7378	NEOX 8000 OIL IN 45 GALLON DRUM	C	0027	EA
9150 99-224-7379	NEOX 8000 OIL IN 5 GALLON DRUM	C	0027	EA

3. Stocks of 9150 99-220-1628 NEOX DT(X) SPECIAL PURPOSE GREASE are to remain available to ships with grease lubricated sterntube bearings.

4. RAN Oberon Class Submarines are to use 9150 66-017-1461 GREASE LG280 in their sterntube bearings.

5. BR 3009 (Navy Oils Manual) will be amended.

(1211/51/414)

#### Section 5

#### BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

#### UNCLASSIFIED

#### 161/75—Information Concerning and Distribution of Publications and Amendments Managed by Executive Officer Publications, Sydney—March 1975

1. The Annexe lists publications and amendments distributed, declared obsolete, superseded, etc, during March 1975.

2. Allowances for ships and establishments, as distinct from gratuitous and repayment issues will be issued without demand by the Publications Authority, Garden Island, NSW, in accordance with an approved scale and automatic updating is provided.

3. Holders of basic publications are reminded that only those issues recorded on NAVPUB will be updated without demand (Navy Order 158/74 refers).

4. Changes issued to publications held as advance copies or to publications not on general distribution are not reflected in Navy Orders.

#### Gratuitous Issues

5. Where it has been decided that a gratuitous or personal issue of a publication will be made, a Navy Order will be promulgated detailing the basis of issue and the personnel concerned, and instructing ships and establishments to obtain their requirements, for this purpose, through their Supply Officer.

6. Supply Officers should place demands on the Publications Authority, Garden Island, NSW, for the total number of copies required in their respective ships or establishments, on Form SO150 (Navy Order 236/74 refers), stating the reason for the requirement and quoting the relevant Navy Order. The publications are to be accounted for by the Supply Officer in accordance with ABR 4, Article 1301 and Article 2512.

7. Automatic updating is not provided for copies of publications on gratuitous issue and demands for updating should be placed on the Publications Authority, Garden Island, NSW, upon notification of its availability in Navy Orders. Form SX40 should be used for demanding changes and the form should clearly state 'Required for amending Personal Issue Copies'.

#### Repayment Issues

8. If it has been approved that a publication should be made available from Departmental stocks, for sale to certain categories of personnel, a Navy Order will be promulgated detailing the basis of issue and the rate to be charged to personnel concerned.

9. Supply Officers should place demands on the Publications Authority, Garden Island, NSW, for the copies required, on Form SO150 quoting the reason for requirement and the relevant Navy Order. The publications are to be accounted for by the Supply Officer in accordance with ABR 4 Chapters 13 and 25.

10. Automatic updating is not provided for copies of publications issued on repayment, and demands for updating should be placed on the Publications Authority, Garden Island, NSW, upon notification of its availability. Again Form SX40 should be used for demanding these changes and the form should clearly state 'Required for amending Repayment Issue Copies'.

11. Issues, etc, of periodicals and magazines are not included in monthly Navy Orders.

#### ANNEXE A

##### Initial Issue of Basic Publications to Approved Holders

Publication No	Title	Edition
AAP 7069-100-7-1 ..	Ground Support Equipment (Issue 2) ..	—
AP 119A-0202-1 ..	Corrosion in Naval Aircraft ..	73
BR 18 ..	Accounting Instruction for Non-Public Funds ..	67
BR 125 ..	Lloyds Register of Shipping ..	74/75
BR 2053 (4) ..	Ship Installed Radiac System Stimulator Mk 2 NG (73 Revision)	73
BR 4567 (507) ..	Telephone Handsets (emergency) Battery Powered NS Cat. No. 0558/520-2686 and 523-5877	73
BR 6500 (102) ..	Main Supply System-type 42 Destroyers ..	73
BR 6517 (201) ..	Navigation Lights Control Panel—Type 21 Frigates ..	73

#### ANNEXE A—continued

Publication No	Title	Edition
E List State Report ..	State Report for Sonar Radio Weapon Store Compass and Sins Equip. P16209/72/PPC 1	74
MBR 9783 ..	Australian Military Forces, Australian Services List of Food Preparation and Serving Equip.	74
MBR 10597 ..	Water Chilling Unit, Lghtfoot, Operating Instructions—4531-200,000 BTU/NR (MCR 4 125)	—
MISC.PUB.0001 ..	National Plan to Combat Pollution of the Sea by Oil ..	—
NAVSUP 476 ..	Navy Food Service ..	69
NAVSUP 4100 ..	Navy Management Data List ..	74
NA 01-40AVC-2-8 ..	A-48 A/C Electrical Power System and Lighting Provision ..	73
NA 01-40AVC-4-6 ..	TA-4F, TA-4J Aircraft Ejection—Air Conditioning Systems and Cockpit Equipment V6 IPB	72
NA 01-40AVD-2-9 ..	TA-4F Wiring data Manual ..	72
NA 01-40AVD-6-4 ..	TA-4F/TA-4J Aircraft, Calendar Maintenance Basic DTD 3/1/70 w/chgs thru 12/15/71	71
NA 01-40AV75-12-2 ..	A-4 Aircraft Rockets/Launchers Conventional Weapons Check List	71
NA 01-85SAD-4-8 ..	IPB S-2D/S-2E A/C Electronic Syst. ..	68
NA 01-85SAD-4-9 ..	S-2D/2E Electrical Power Syst. ..	68
NA 01-85SD-75-7-1 ..	Torpedoes ..	74
NA 01-85SD-75-7-2 ..	Stores Reliability Card, Torpedoes Mk 46 S-2D/E Aircraft	74
NA 03-5AA-125 ..	Voltage Regulator ..	70
NA 03-5FB-49 ..	Engine Mounted Gearbox—IPB ..	70
NA 03-30HT-501 ..	Retraction (Hardman) Ovh W/PB Reels, Shoulder Harness, Take-up Inertia Power	70
NA 05-5E-55 ..	Indicators Duel Tachometers—Kollsmann—Overhaul Instructions	52
NA 05-20QG-8 ..	Indicator, Remote Attitude, Type ID-1448/A Guidance Technology IPB	69
NA 05-70F-509 ..	Gauge Oil Pressure-Gauge-Operating, Servicing and Overhaul Instructions with Pts. Catalogue	53
NA 11-70FFB-4 ..	IPB Controller Compass System C2984/AJB-3 ..	—
NA 11-85-1 ..	Systems Rocket Catapult and Rocket Motors for Aircrew Escape	—
NS 0281-054-3000 ..	ABC of Radar ..	73
NS 0967-476-5010 ..	More About Radar ..	—
OD 30654 V5 P1 ..	Tartar Weapons System PMS/SMS 4th Rev. ..	—
TEM-3416-0009 ..	Instrument Makers Lathe H/Bk Model 'SCHAUBLIN' 70-80	—
TEM-3442-0001 ..	Hydraulic Press 60 Ton 'SERVEX' (Pts. Bk and Instruction Manual)	—
TEM-3445-0002 ..	Hand Operated Shears (Metal) Guillotine (Pts Bk, and Instruction Manuals)	—
TEM-3530-0001 ..	Pts. Bk. and Instruction Manuals for 'BERNINA' Sewing Machine Model 217	—
TEM-3750-0006 ..	Pts Bk and Instruction Manuals for Lindig Kajon Chopper Model XR-7	—
TEM-3895-0001 ..	'Champion' fixer Cement Mobile 3½ cu. ft. model AA1 Diesel Engine	—
TEM-7320-0002 ..	Dishwashing Machine Model AXV440/60/3—comprising Pts List and Serv. Components Cat and Installation and Maintenance Details	—
WD 28954 ..	Special Manufact. Procedure for Calibration for Guidance Control Test Set Mk 443 Mod 1	—



ANNEXE B

Amendments Issued to Recorded Holders of Publications

Publication No	Amendment/Change
AAP 7001-007-1	14
AAP 7053-002-1	10
AAP 7181-009-3M	44
AAP 7198-001-100	10
AAP 7210-010-100	15
AAP 7211-006-100	288
AAP 7211-015-1-4	9
AAP 7211-015-2-1	16
AAP 7211-015-3-1	6
AAP 7212-001-100	233, 234
AAP 7222-014-3	1
AAP 7276-160-3M	2
AAP 7290-006-3M	5
AAP 7291-008-4	2
AAP 7293-026-3M	16
AAP 7293-030-3M	8
AAP 7293-032-3M	9
AAP 7293-039-3M	3
AAP 7293-040-3M	10
AAP 7293-043-3M	5
AAP 7294-017-3M	15
AAP 7294-030-3	13
AAP 7301-001-3	14
AAP 7416-030-3M	5
AAP 7434-049-3M	5
AAP 7442-032-3M	4
AAP 7453-014-3M	4
AAP 7453-020-3M	3
AAP 7494-006-3M	4
AAP 7511-008-3M	10
AAP 7515-024-3	6
AAP 7531-093-3M	4
AAP 7532-021-3M	10
AAP 7600-500-14	3, 21, 22, 23, 24, 25, 26
AAP 7610-030-2	1
AAP 7619-065-2M	3
AAP 7630-012-2	3
ABR 5013	3
ABR 5111 (5D)	3
ABR 5112 (1)	2
ABR 5112 (2B)	3
ABR 5112 (2B) Appx 1	4
ABR 5112 (2B) Appx 2	3
ABR 5112 (2C)	3
ABR 5112 3B	11
ABR 5112 4A	3, 5
ABR 5112 5A	2
ABR 5112 5A (4)	2
ABR 5112 5B 2	2
ABR 5112 5C	1
ABR 5112 5D	3

ANNEXE B—continued

Publication No	Amendment/Change
ABR 5112 6B	2
ABR 5112 6C	3
ABR 5112 SUPP	2
ABR 5118	1
AP (RAN) 1 V1	67
AP (RAN) 8V2B1, B2, B3	AIL 300
AP (RAN) 8V3 P1	AIL 015
AP (RAN) 8V6 P2	86, 87
AP (RAN) 8BV2 P3	24
AP (RAN) 8BV5 P1 P2 P3	78
AP (RAN) 9ABV2	AIL 044
AP (RAN) 9BV6 P2A34A	95
AP (RAN) 19V4 P1	118
AP (RAN) 30V1, V3, V6, I2	8
AP (RAN) 63V2	31
AP (RAN) 79	1
AP (RAN) 100V1, P7	51, 52
AP (RAN) 100V2, P2	24
AP (RAN) 100V2, P3	56
AP (RAN) 100V2, P8	97, 98
AP (RAN) 100V2, P9	58
AP (RAN) 100V2, P10	75, 76
AP (RAN) 100V2, P11	47, 48
AP (RAN) 140E3	28, 29
AP (RAN) 500V2 P1	240, 244, 247, 248, 252
AP (RAN) 600V2P2I2	61
AP (RAN) 600V4 P3	25
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Publication No	Amendment/Change
AP 4303E V1 .. .. .	100
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BR 320A .. .. .	ANXJU 74
BR 320D Electric .. .. .	GC0568
BR 320D General .. .. .	GC0254, GC0444, GC0477, GC0482
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ELIST-U445 .. .. .	1, 2
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MBR 8868 .. .. .	C-002
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NA 01-1A-505 .. .. .	RAN 001
NA 01-1A-509 .. .. .	RAC 002
NA 01-40AVC-2-1 .. .. .	740915
NA 01-40AVC-2-2-1 .. .. .	RAC 003, 1
NA 01-40AVC-2-2-3 .. .. .	RAN 007
NA 01-40AVC-2-4-1 .. .. .	RAN 010
NA 01-40AVC-3 .. .. .	RAN 013
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NA 01-40AVD-2-2-3 .. .. .	RAN 005
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NA 01-40AVD-2-4-1 .. .. .	RAN 007
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NA 01-40AVD-2-7 .. .. .	ICH 014
NA 01-85SAD-2-4 .. .. .	RAN 005
NA 01-85SAD-2-5 .. .. .	RAN 018, 019
NA 01-85SAD-4-4 .. .. .	RAN 008
NA 01-85SAD-4-6 .. .. .	720301
NA 01-85SD-75-7 .. .. .	741001
NA 01-85SD-75-16 .. .. .	1
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NA 03-5APO-501 .. .. .	RAN 005
NA 03-5CA-39 .. .. .	RAN 003
NA 03-10-513 .. .. .	ERR 002

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NA 03-25BB-501 .. .. .	RAN 002
NA 03-25BB-502 .. .. .	RAN 001
NA 03-25BC-1 .. .. .	RAC 003, 004
NA 03-25EE-26 .. .. .	RAC 003, 004
NA 03-30CH-145 .. .. .	RAN 001
NA 03-30CY-119 .. .. .	RAN 001
NA 03-30CY-608 .. .. .	RAN 002
NA 05-20HH-32 .. .. .	4, 5, 6
NA 05-30-97 .. .. .	5
NA 13-1-6-3 .. .. .	2
NA 13-1.6.5 .. .. .	1
NA 16-30APM 245-1 .. .. .	2
NA 16-30APS 88-2 .. .. .	11
NA 16-30APX 64-3 .. .. .	12
NA 16-30APX 64-4 .. .. .	3, 3, 4, 5
NA 16-30ARC 51-3 .. .. .	740815
NA 16-35CV 2068-1 .. .. .	RAN 005
NA 16-350A 7255-1 .. .. .	RAN 002
NA 17-15BC-7 .. .. .	RAN 002
NA 17-15KG-17 .. .. .	RAN 005
NA 19-105B-12 .. .. .	RAN 001
NA 19-105B-14 .. .. .	RAN 001
NA 19-45-10 .. .. .	RAN 001
NS 0967-125-6010 .. .. .	ICH 009
NS 0967-232-5120 .. .. .	1
NS 0967-239-4010 .. .. .	P-CH 001
OD 16224 .. .. .	2
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OP 2979 V2 R1 .. .. .	—
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OP 3418 .. .. .	5
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OP 3421 .. .. .	5, 7
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OP 3456 .. .. .	2, 3, 4, 5
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OP 3713 V4 P1 .. .. .	1
OP 3713 V5 .. .. .	1
OP 3713 V6 .. .. .	1
OP 3713 V7 P1 .. .. .	1
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(465/61/228)

(Navy Orders 158/74 and 236/74)



Historian

RESTRICTED

ANOs 162/75-166/75



# AUSTRALIAN NAVY ORDERS

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Navy Office, Canberra,  
2 June 1975.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

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Additional copies of Navy Orders may be readily obtained by:

- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 4718.

UNCLASSIFIED

ADMINISTRATIVE AND GENERAL

162/75—Access to Compartments

This Order prescribes the conditions under which access to compartments of ships of the Royal Australian Navy shall be granted. It applies to all ships of the Royal Australian Navy, including auxiliary vessels, and to all personnel serving on board.

1. Access to compartments shall be granted only to personnel authorised to do so by this Order.
2. Access to compartments shall be granted only to personnel who are on duty on board the ship.
3. Access to compartments shall be granted only to personnel who are on duty on board the ship and who are authorised to do so by this Order.
4. Access to compartments shall be granted only to personnel who are on duty on board the ship and who are authorised to do so by this Order.

**CONTENTS**

<i>No</i>	<i>Title</i>
<b>SECTION 1—ADMINISTRATIVE AND GENERAL</b>	
162/75	Access to Compartments.
163/75	International Regulations for Preventing Collisions at Sea 1972.
<b>SECTION 2—PERSONNEL</b>	
164/75	Introduction of Wran Dental Category.
<b>SECTION 4—EQUIPMENT, STORES AND SERVICING</b>	
165/75	Supply Division, Sydney—Superintending Armament Supply Officer (Navy).
<b>SECTION 5—BOOKS, CORRESPONDENCE, FORMS AND STATIONERY</b>	
166/75	New Construction, Modernisation or Conversion Proposed Design Change to Specification—Form TG144.

UNCLASSIFIED

164/75—Introduction of Wran Dental Category

This Order prescribes the conditions under which access to compartments of ships of the Royal Australian Navy shall be granted. It applies to all ships of the Royal Australian Navy, including auxiliary vessels, and to all personnel serving on board.

UNCLASSIFIED

**Section 1****ADMINISTRATIVE AND GENERAL****UNCLASSIFIED****162/75—Access to Compartments**

1. Recent occurrences in HMA ships have illustrated the need to ensure that one access or escape route must be available to all spaces at all times. If the normal route is to be closed then an alternate must be well publicised.
2. Accidents have occurred when:
  - a. cafeterias in DDGs were locked to show movies;
  - b. hatches and doors were roped shut to allow painting;
  - c. articles have been left in passageways preventing easy traffic flow;
  - d. normal traffic routes have been heavily roped off during cleaning or for open ship.
3. Before restricting access to a compartment or passageway an available alternate must be broadcast.

(1900/1/22)

**UNCLASSIFIED****163/75—International Regulations for Preventing Collisions at Sea 1972**

1. Navy Order 58/75 detailed the International Regulations for Preventing Collisions at Sea 1972. The Inter-Governmental Maritime Consultative Organisation (IMCO) have now informed the Australian Government that the number of Contracting States and the tonnage requirements have not been met to permit the Convention or the Rules to come into force at present. It is unlikely that the Convention will come into force before the end of 1976.

2. A personal issue of a new edition of 'A Seaman's Guide to the Rule of the Road', which will detail the new rules, is still planned for late 1975.

(465/9/104)

*(Navy Order 58/75)***Section 2****PERSONNEL****UNCLASSIFIED****164/75—Introduction of Wran Dental Category**

1. As promulgated by Navy Order 152/74, the Naval Board have approved the introduction of a new Wrans' category, namely that of Wran Dental (short title WRDEN). These Wrans will be employed in selected shore establishments in lieu of DEN sailors and will, therefore, carry out the same duties. Conditions of service for WRDENs will be as detailed in this order.

**Employment**

2. Initially, WRDENs will be employed in billets in HMAS CERBERUS and HMAS KUTTABUL.

**Training**

3. WRDENs will undertake the same category training as DEN sailors, as follows:

Course Title	EDP Number	Duration	Location
WRDEN	918730	80 days	HMAS CERBERUS

**Entry**

4. WRDENs will be required to meet the conditions of entry and service applicable to all Wrans. The first RWRDENs will be entered in the July 1975 entry of Recruit Wrans to commence category training on 4 August 1975.

**Pay**

5. On completion of category training WRDENs will be paid at Level 3.

**Promotion**

6. WRDEN promotion will be in accordance with the SAILSTRUC Promotion Structure for Wrans (ABRs 10 and 1077 will refer).

**Hygienist Sub-specialisation**

7. WRDENs will be eligible for selection for the Dental Hygienist Course in accordance with Paragraphs 10 and 11 of Navy Order 152/74, in due course.

**Dental Mechanic Category**

8. WRDENs will not be eligible for transfer to the Dental Mechanic Category.

**Uniform**

9. WRDENs will be issued with the same working dress (No 3As) including caps, as WRMEDs in accordance with ABRs 81 and 93. Category badges will be identical to those for DEN sailors.

**Amendments to Publications**

10. Regulations regarding the new category will be included in the relevant publications in due course.

(302/1/129)

(Navy Order 152/74)

**Section 4****EQUIPMENT, STORES AND SERVICING****RESTRICTED****165/75—Supply Division, Sydney—Superintending Armament Supply Officer (Navy)**

1. The correct address of the Superintending Armament Supply Officer (SASO) who is located at Newington is:

Naval Armament Depot,  
PO Box 138,  
AUBURN NSW 2144.

2. Depots under control of SASO dealing with Armament, Torpedoes and Weapon Equipment Stores are located in various parts of Sydney and to avoid delays, routine correspondence and return of stores should be addressed or consigned as shown in Annex A to this order.

3. Correspondence of General Application and all policy matters should be addressed as shown in Paragraph 1 above and marked 'For Superintendent'.

**ANNEXE A**

Address for Routine Correspondence	Range of Stores and Equipment Managed	Management or Source Code	Depot Location for Consignment and Collection of Stores
SASO Naval Armament Depot PO Box 138 AUBURN NSW 2144	Gun Amm. Small Arm Amm. Pyrotechnics, Rocket Motors, Flare Heads and Practice Heads. Misc. Explosive Items and Inert Practice Stores—eg A/S Projectiles. 21" Action Torpedoes. Non-Explosive Items, eg Demolition Components and Tools	0132	Naval Armament Depot Newington Jamieson Street SILVERWATER NSW
SASO Naval Armament Depot Bringlely Road KINGSWOOD NSW 2750	Guided Missiles and Associated Items. Rocket Warheads. Depth Charges and live Underwater projectiles. Mk 44 and Mk 46 Action Torpedoes. Demolition Charges.	0140	Naval Armament Depot Bringlely Road KINGSWOOD NSW
SASO Naval Weapon Equipment Depot Level 9 54-56 Miller Street NORTH SYDNEY NSW 2060	Small Arms, Gun Mountings, Barrels, Fire Control Equipment, Torpedo Tubes, A/S Mortar Mountings, Submerged Signal Ejector, Torpedo Control Systems, Guided Missile Launchers, Weapon Test Equipment. Components for above.	0035	Naval Weapon Equipment Depot Building No. 8 GARDEN ISLAND For Bulk Storage Naval Weapon Equipment Shed 15 Bundock Street RANDWICK NSW
SASO Naval Torpedo Depot PO Box 459 NORTH SYDNEY NSW 2060	Practice Torpedoes, Practice Mines, Torpedo Simulators and Torpedo Targets. Components, Tools etc. for above.	0159	Naval Torpedo Depot High Street NORTH SYDNEY NSW

Notes: 1. The correct address for correspondence relating to any particular store item can be ascertained by reference to the Management Code shown against the item in ABR 5074, RAN Catalogue of Stores.

2. In accordance with Navy Order 114/74 all demands for Supply of Stores are to be processed through EDP. In urgent cases, demands may be preceded by a signal to CSS detailing items required.

(68/201/39)

(Navy Order 114/74)

## Section 5

## BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

**166/75—New Construction, Modernisation or Conversion Proposed Design Change to Specification—Form TG144**

1. This Navy Order describes the procedure that is to be followed by authorities outside Navy Office when proposing changes to specifications for ships being built, modernised or converted. The procedure is referred to as the DNSP 2 procedure.

2. The procedure applies to projects within the above categories during the period between the date of approval of the ships characteristics and the commissioning date.

3. The term 'Design Change' is to be used to refer to such changes to distinguish them from other types of changes (modifications, A and As, etc) which apply to periods in the ships life other than those of Paragraph 2. Navy Order 175/74 specifies the procedures to be followed when initiating proposals for ships in commission.

4. DNSP 2 procedures do not replace existing procedures for identifying and promulgating modifications, A and As, etc, where they effect a class of ship or a range of equipment. If approved modifications, A and As, etc, are raised as Design Changes (in accordance with Paragraph 5 b. below) they are to be processed using DNSP 2 procedures and their distinguishing number is to be recorded in Form TG144 Part 1 Paragraph 1 c.

5. In this Navy Order a Design Change means any change to the Design or equipment defined in the approved specifications, drawings and equipment schedules which apply to the ship(s) being built, modernised or converted. For each proposed Design Change a separate Form TG144 Part 1 is to be raised. Proposed Design Changes will include proposals for:

- a. re-arrangement of layout for:
  - (1) machinery;
  - (2) equipment;
  - (3) bulkheads, fittings, etc;
- b. incorporation of class or ship modifications, A and As, etc, not already included in the design package which are:
  - (1) approved;
  - (2) under consideration;
- c. adding new equipment items;
- d. deleting planned equipment items;
- e. replacing a planned equipment item with:
  - (1) a new item;
  - (2) a later version of the planned item;
- f. adding or deleting features of a planned equipment item.

**Proposals Originating from Naval Dockyards, GOSI, etc**

6. Where a Design Change is proposed by a Naval Dockyard, GOSI or other Naval Authority outside Navy Office the pertinent sections of Form TG144 Part 1 are to be completed where possible by the authority and forwarded under covering letter to Navy Office, action DNSP. Where Design Changes are raised by contractors the appropriate GOSI is to raise and forward Form TG144 Part 1.

**Proposals Originating from Standby Crews**

7. Where a Design Change is proposed by a member of a standby crew the Senior Officer is to complete the pertinent sections of Form TG144 Part 1 as far as possible and forward it under covering letter to the Flag Officer Commanding HMA Fleet with a copy to the General Manager of the Naval Dockyard, or to the appropriate GOSI for ships being built, modernised or converted by contractors.

8. FOCAF will review the proposal and if recommended for further investigation will forward it to Navy Office, a copy of the covering letter being sent to the GM or GOSI as applicable. If the proposal is not recommended by FOCAF the Senior Officer Standing By and the relevant GM or GOSI will be notified.

9. On receipt of the copy of the Standby Crew proposal the GM or GOSI will assess the effect of the proposal on the building, modernisation or conversion program, prepare an order of costs and an estimate of any likely project time delays and if the proposal is recommended by FOCAF forward this information to Navy Office with a copy to FOCAF.

10. On receipt in Navy Office each proposed Design Change will be allocated a unique identifying number by DNSP and will then be processed by approved procedures.

11. The format of Form TG144 Part 1 is shown as Annexe A to this order. Copies may be obtained on demand from SVSO, Sydney (Source Code 0086).

12. Navy Order 216/72 is hereby cancelled.



ANNEXE A

COVER SHEET

TG144  
(1872)  
DNSP 2

Proposed Design Change Identification No.  
(DNSP Use)

NEW CONSTRUCTION, MODERNISATION OR CONVERSION  
PROPOSED DESIGN CHANGE TO SPECIFICATION

SECTION A Navy Office Use Only

Ship(s) and/or Project

DGNP

The proposed Design change is submitted for consideration (brief description/name/title of proposed Design Change)

The relevant sections of Part 1 have been completed where possible (Signature/designation and date)

SECTION B

DGND

Relevant File No.

The proposed Design change described in Part 1 has been approved for investigation. The proposal is forwarded for preliminary investigation and completion of the relevant sections of Part 2.

(Signature and Date)

DGNP / /

SECTION C

DGNP

The proposed Design Change has been investigated by the Naval Design Directorate and is

- RECOMMENDED
- NOT RECOMMENDED that this Design Change be undertaken at this time
- Subject to time and cost implications

The relevant sections of Part 2 have been completed where possible (Signature and Date)

DGND / /

ANNEXE A—continued

PART 1 — ASSESSMENT OF THE PROPOSED DESIGN CHANGE  
(To be completed by the Authority initiating the proposal)

A. Brief description of this proposed Design Change

B. Name or identification of ships being constructed, modernised or converted for which this Design Change is proposed

C. If applicable, existing Navy Office identification of this proposed Design Change (ie, Modification No., A and A No. etc)

D. Reason why the Design Change is proposed

E. Justification for the proposed Design Change (indicate )

1.  Essential to ships operational efficiency
2.  Essential from a safety aspect
3.  Essential to overcome design shortcomings
4.  Existing design does not comply with approved requirements
5. Considered desirable to achieve  better performance  increased reliability  reduced maintenance  improved economy
6. Resulting in a change in  staff requirements  approved ship characteristics
7. Comments:

F. Comments on features of the proposed Design Change which vary from the Approved Ship Characteristics

ANNEXE A—continued

G. Effect on ship performance if the proposed Design Change is not introduced

---

H. Details of additional equipment, stores, operators, materials, test equipment and spare gear which it will be necessary to carry on the ship, held at base or in the dockyard if the proposed Design Change is implemented

Item	Detail

I. Details of currently specified equipment, stores, operators, materials, test equipment and spare gear planned to be carried on the ship, held at base or in the dockyard which will become redundant if the proposed Design Change is implemented

Item	Detail

J. Availability of equipment, material, stores etc, necessary for the introduction of the proposed Design Change

---

ANNEXE A—continued

K. Provide the following information for each item of currently specified equipment and/or stores that would no longer be required if the proposed Design Change is implemented.

ITEM					
Number not ordered					
Number on order					
Number received but not installed					
Cost of cancellation					
Number suitable for use elsewhere in ships					
Number suitable for return to stores/base					
Estimated salvage value					

L. Estimated cost to implement the Design Change

Labour	Stores	Equipment			TOTAL

M. Identification of other proposed Design Changes being considered on which this Design Change is dependent.

N. Earliest date considered implementation could commence

  /   /

O. Suggested date/program for implementation of proposed Design Change

Date	Program

P. Other relevant considerations

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(1211/51/697)

(Navy Orders 216/72 and 175/74)



**RESTRICTED**



**RESTRICTED**

HISTORIAN

RESTRICTED

ANOs 167/75-172/75



# AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,  
14 June 1975.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
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- c. telephoning Navy Office, Canberra 65 4718.

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*No* *Title*

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170/75 Entry, Training and Promotion of Qualified Tradesmen and Technicians.

171/75 Introduction of Reporting Procedure for Landing of RAN Inflatable Liferrafts.

172/75 Photographs, Plans, etc, Reproduced for Payment Services.

**Section 1****ADMINISTRATIVE AND GENERAL****RESTRICTED****167/75—Visits to Department of Manufacturing Industry Establishments**

1. To facilitate identification and comply with the security requirements for RAN and Department of Defence (Navy Office) personnel visiting Department of Manufacturing Industry establishments, the following procedure is to apply:
  - a. The ship or establishment is to advise Department of Defence (Navy Office) of the details of the proposed visit.
  - b. Department of Defence (Navy Office) will advise Department of Manufacturing Industry.
2. The advice to Department of Defence (Navy Office) is to contain:
  - a. Full name, rank and pay number, if applicable, of each person.
  - b. Date and place of birth.
  - c. Length of visit and terms of reference eg, 28 July-3 October 1975, RAN EXDAK (Ship) Course-914430.
3. This advice is to be marked for the attention of the Director of Naval Intelligence for Service personnel or the Director Defence Security (D SEC) for civilian personnel, or to either authority if a composite group of visitors is involved. Advice may be by signal, and if possible should be kept to UNCLASSIFIED level. At least five working days notice prior to commencement of the visit is required. Branches or Directorates within Department of Defence (Navy Office) are to furnish written advice as above to DNI or D SEC.
4. Department of Manufacturing Industry will accept authentication of a visitor and his security clearance only from DNI or D SEC. This order must therefore be complied with irrespective of any other visit arrangements made, and applies to each separate visit made by any one person.
5. This order is applicable to visits to all establishments controlled or administered by the Department of Manufacturing Industry or for which the Department of Manufacturing Industry is responsible for security, including the Commonwealth Aircraft Corporation, Melbourne.
6. Personnel holding current Department of Manufacturing Industry Permanent Passes for the establishment concerned are exempt from compliance with this order.
7. Navy Order 221/72 is hereby cancelled.

(42/201/17)

(Navy Order 221/72)

**Section 2****PERSONNEL****UNCLASSIFIED****168/75—Introduction of Sailor/Wran Qualification of Training Specialist**

1. In determining ways to make more effective use of training and experience, a need was established to identify instructors who have demonstrated skills in the specialised areas of training development or quality control. This will provide guidance to the posting authority in posting selection and in seeking to maintain in all schools an acceptable proportion of instructors with skills in these key areas.

2. A qualification of Training Specialist (03100) has therefore been introduced. Regulations for the award of this qualification and administrative procedures are detailed below.

#### Award of Training Specialist Qualification 03100

3. The qualification of Training Specialist will be awarded subject to the following conditions:

- a. minimum rank of Petty Officer;
- b. a minimum of three months previous employment on instructional duties;
- c. completion of the following RANSTT courses:  
RAN Instructors' Course 903600/902350(obs)/902360(obs), and either;  
Training Analysis 903660, and  
Training Design 903670, or;  
Quality Control 903640;
- d. six months subsequent employment in a school or Training Research Unit in duties directly related to training development or quality control;
- e. be a recommended applicant for the award of the qualification.

4. Training Establishments are to raise Form PA6 reporting the award of qualification 03100.

5. The names of qualified personnel who are currently in operational billets are to be forwarded to their former training establishments for conformation of entitlement and the award of the qualification.

6. On receipt of Form PA6, the qualification will be recorded on the sailor's Form PH14 and on the DSP posting card. A certificate will be issued for insertion in the Record of Employment and Training.

7. Subsequent postings of qualified personnel will record the notation TNG SPEC in the remarks column of the Weekly List of Sailors' Postings.

8. The experience and capabilities of Training Specialists serving in operational billets should be utilised whenever possible by Commanding Officers in such areas as the design, management and conduct of On-the-Job Training and in the collation of feedback on the relevance and quality of the product of the training schools. Conversely, personnel with a solid background of operational experience and who have training potential should be recommended for training specialist training and employment.

(N325/4/2)

### Section 4

## EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

### 169/75—Officers Uniform

1. It has been decided that collar badges may be worn on collar attached shirts with No. 5 Undress on those occasions when No. 12 Shirt Sleeve Undress is an authorised dress of the day.

2. ABR 81, RAN Uniform Instructions, Article 0201, will be amended to reflect the foregoing.

3. Future supplies of the 8405-66-073-1462 to 1472 SHIRT, MAN'S, WHITE, COLLAR ATTACHED, will be manufactured with a pocket without flap on the left front.

(901/65/43)

## AMENDMENTS

UNCLASSIFIED

### 170/75—Entry, Training and Promotion of Qualified Tradesmen and Technicians

1. Engineering Associate is a term describing a variety of technically trained persons who are qualified to the sub-professional level (as described in Navy Order 112/75) in a diversity of engineering fields.

2. Because of this diversity difficulty may be experienced in relating these qualifications to the civil trades listed in Navy Order 240/74 Paragraph 6.

Paragraph 5 of Navy Order 240/74 is therefore to be noted as follows:

'Enquiries and applications from persons holding Engineering Associate/Technician qualifications are to be referred to Department of Defence (Navy Office) so that their qualifications can be assessed in the light of Service requirements.'

(N342/28/2)

(Navy Orders 240/74 and 112/75)

UNCLASSIFIED

### 171/75—Introduction of Reporting Procedure for Landing of RAN Inflatable Liferrafts

Navy Order 37/75 is to be amended as follows:

a. Paragraph 1, Line 1

Delete 'In Sections 2-6'

Insert 'In Chapter 4 of Sections 2-6'

b. Paragraph 1, Line 2

Delete '(S)NSO'

Insert 'SGSO, Sydney or NSO, Williamstown'

c. Re-number existing Paragraphs 3 to Paragraph 4.

d. Insert following new Paragraph 3—

3. 'Minor war vessels (MCMVs, PBs, and LCHs) are to address their signalled intention of return of liferafts, to their Operating Authority information CSS SYDNEY or GMWD'.

(N4220/5/7)

(Navy Order 37/75)



UNCLASSIFIED

172/75—Photographs, Plans, etc, Reproduced for Payment Services

Navy Order 162/74 is to be amended as follows:

Delete: Annexe A

Insert:

Annexe A

Photographs, Plans, etc., Reproduced for Repayment Services

Item	Other Aust. Govt Depts and members of the RAN	State Govts and Other Admins (including Foreign Govts)	Commercial and Private Interests
	\$	\$	\$
(1) Enlargements— $\frac{1}{2}$ Tone (Bromide Prints)—			
8" x 6" .. .. .	1.40	1.45	1.50
10" x 8" .. .. .	1.85	1.90	2.00
15" x 12" .. .. .	3.45	3.60	3.75
20" x 16" .. .. .	4.05	4.25	4.40
(2) Enlargements (Kodagraph Projection Prints)			
8 $\frac{1}{2}$ " x 13 $\frac{1}{2}$ " .. .. .	1.65	1.75	1.80
16" x 20" .. .. .	1.75	1.80	1.90
20" x 30" .. .. .	2.00	2.05	2.15
30" x 40" .. .. .	2.45	2.55	2.65
(3) Photostats (Neg. or Pos.)			
18" x 24" (full sheet) .. .. .	0.70	0.70	0.75
18" x 12" (half sheet) .. .. .	0.50	0.55	0.55
(4) Half Place Negative (4 $\frac{3}{4}$ " x 6 $\frac{1}{2}$ ") .. .. .	1.75	1.80	1.90
Full Plate Negative (6" x 8") .. .. .	1.85	1.95	2.05
	<i>c per foot</i>	<i>c per foot</i>	<i>c per foot</i>
(5) Plan Printing			
(i) 30" Dyeline			
Light Weight .. .. .	35	40	40
Medium Weight .. .. .	35	40	40
Heavy Weight .. .. .	40	40	40
(ii) 40" Dyeline			
Medium Weight .. .. .	40	40	40
Heavy Weight .. .. .	40	40	40
(iii) Dyeline Linen (Opaque)			
30" .. .. .	70	75	75
40" .. .. .	80	85	90
(iv) Dyeline Linen (Trans.)			
30" .. .. .	70	75	80
40" .. .. .	85	85	90
(v) Dyeline Plastic Film			
30" .. .. .	90	95	100
40" .. .. .	105	110	115
(vi) Auto Positive Contact			
30" .. .. .	195	205	215
40" .. .. .	260	270	285

(201/58/15)

(Navy Order 162/74)

F. D. ATKINSON, Government Printer, Canberra

UNCLASSIFIED

171/73-Photographic Plans and Diagrams for Project Phoenix

These Plans are to be included as follows:

Project Phoenix A  
 Plans

Amount:

Photographic Plans and Diagrams for Project Phoenix

Quantity and Prices shown	Unit Price and Total Price (including freight)	Other Unit Price and Quantity	Item
3	1.50	1.50	(11) Photographs of Test Phoenix Plans
1.50	1.50	1.50	10" x 7"
3.75	3.75	3.75	11" x 17"
4.50	4.50	4.50	14" x 17"
1.50	1.50	1.50	(12) Photographs (Photographic Phoenix Plans)
1.50	1.50	1.50	14" x 17"
1.50	1.50	1.50	11" x 17"
2.25	2.25	2.25	16" x 20"
2.50	2.50	2.50	20" x 24"
0.75	0.75	0.75	(13) Photographs (Plan or Plan)
0.75	0.75	0.75	16" x 17" (10" x 17")
0.75	0.75	0.75	16" x 17" (10" x 17")
1.50	1.50	1.50	(14) Mill Plans (Project 10" x 17")
2.00	2.00	2.00	Mill Plans (Project 16" x 24")
4 per lot	4 per lot	4 per lot	(15) Plan Printer
50	50	50	(a) 30" Printer
50	50	50	Light Weight
50	50	50	Medium Weight
50	50	50	Heavy Weight
50	50	50	(b) 20" Printer
50	50	50	Light Weight
50	50	50	Medium Weight
50	50	50	Heavy Weight
75	75	75	(16) Printer (Plan Printer)
50	50	50	30"
50	50	50	42"
50	50	50	(17) Printer (Plan Printer)
50	50	50	30"
50	50	50	42"
50	50	50	(18) Printer (Plan Printer)
100	100	100	30"
112	112	112	42"
112	112	112	(19) Plan Printer (Printer)
280	280	280	30"
280	280	280	42"

**RESTRICTED**



**RESTRICTED**



HISTORIAN

ANOs 173/75-176/75



# AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,  
15 June 1975.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

Additional copies of Navy Orders may be readily obtained by:

- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 4718.

## CONTENTS

*No* *Title*

### SECTION 1—ADMINISTRATIVE AND GENERAL

- 173/75 Decommissioning.  
174/75 Medical—Morphia—Use in Ships Not Carrying Medical Officer.

### SECTION 2—PERSONNEL

- 175/75 Selection and Academic Training of Sailors, Naval Police and Wrens for Commissioned Rank.

### AMENDMENTS

- 176/75 General Naval Stores—Cloth, Cleaning—Class 7920.

## Section 1

## ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

## 173/75—Decommissioning

The following decommissioning has been effected:

HMAS ARROW . . . . . 7 February 1975.

(N1900/32/4)

UNCLASSIFIED

## 174/75—Medical—Morphia—Use in Ships Not Carrying Medical Officer

1. Non-medical personnel who may be called upon to use morphia should in every case receive prior training by a Medical Officer.
2. The use of morphia is to be reserved entirely for the relief of pain and distress in the case of persons wounded or injured, including burning or scalding. It is on no account to be given to anyone suffering from pain not due to these causes. It should be avoided, if possible:
  - a. In cases of head injuries, unless the patient is violent.
  - b. In very cold climates.
3. It should be borne in mind that though wounds and injuries frequently cause shock, morphia should not be given where the shock exists without pain or unrest. A shocked patient may be abnormally quiet, and may not complain of pain, in which case morphia is not necessary and may do more harm than good.
4. Morphia may be supplied in one of the following forms:
  - a. Syringe-ampoules, 30 mg opium For injection under the skin (Tubunic alkaloids = 15 mg morphia syrette with needle attached).
  - b. Syringe, 15 mg morphia . . . For injection under the skin (Syringe with sterile needle attached).
5. For the injection, select the skin preferably on the outer side of the upper arm, thigh or buttock, though any site may be chosen as circumstances permit. Cleaning the skin, if it means delay in giving the morphia, is not essential. Directions for using the syrette ampoule are given on a leaflet with diagrams contained in the box or tin. These should be studied.
6. The dose of each form of morphia is one unit, ie, one syringe-ampoule or one syringe. In cases of severe wounding or great pain, non-medical personnel should on no account inject the contents of more than one syringe-ampoule or syringe at the same time.
7. The dose of one syringe-ampoule or syringe can be repeated if necessary provided four hours have elapsed since the previous dose was given.
8. All forms of morphia should be kept under lock and key in the charge of the Commanding Officer and, when morphia is requested, he or his representative should ascertain, to the best of his ability, that its use is justified. When the circumstances of the case make it necessary for the Commanding Officer to delegate the authority for administering morphia, he should arrange that those deputed are thoroughly conversant with the terms of this order.

9. All patients who have been given morphia in any form are to have a label firmly attached to their clothing with the following records:

- a. Name
- b. Nature of injury
- c. Dose of morphia given, ie, one syringe-ampoule or one syringe
- d. Date and time morphia given.

This procedure is to be carried out by the person who actually administered the morphia. The letter 'M' written on the forehead with persistent material, ink, lipstick, indelible pencil, crayon, etc, may be used as an added precaution.

10. Expenditure of the type of morphia is to be entered immediately in the dangerous drugs account, Form SA114.

11. Navy Order 179/72 is hereby cancelled.

(327/54/13)

(Navy Order 179/72)

## Section 2

### PERSONNEL

UNCLASSIFIED

#### 175/75—Selection and Academic Training of Sailors, Naval Police and Wrans for Commissioned Rank

##### Introduction

1. The regulations governing the nomination and selection of sailors, Naval Police and Wrans for commissioned rank are detailed in this order.

2. A number of changes, generally of a minor nature, have been made to the procedures introduced in February 1971.

3. There are many sailors, Naval Policemen and Wrans in every category who possess the ability and motivation to achieve commissioned rank. All require advice, assistance and encouragement if they are to realise their aims despite the difficulties frequently imposed by Service conditions. It is essential therefore that all officers be well acquainted with the regulations relating to promotion to commissioned rank, and that every opportunity be taken to bring these regulations to the notice of all personnel.

##### Terminology

4. The generic term Officer Candidate (OC) is applicable only to those personnel who have successfully passed an Initial Selection Board, and for whom Forms PP120 are current. The term nominee is applicable to those personnel who have yet to pass successfully an Initial Selection Board.

5. Candidates for the various lists are identified by an appropriate suffix, namely:

- |      |    |   |
|------|----|---|
| OCGL | .. | Officer Candidate for General List        |
| OCSL | .. | Officer Candidate for Supplementary List  |
| OCSD | .. | Officer Candidate for Special Duties List |
| OCWR | .. | Candidate for WRANS Officer               |

6. Branches and categories within a particular list are identified by further suffixes, eg:

- |         |    |  |
|---------|----|--|
| OCSDSU  | .. | Officer Candidate—Special Duties List—Supply and Secretariat |
| OCSLAIR | .. | Officer Candidate—Supplementary List—Aircrew                 |
| OCSDNP  | .. | Officer Candidate—Special Duties List—Naval Police.          |

##### Nomination Procedure

7. The following procedure does not apply to Junior Recruits or Apprentices while undertaking recruit or apprentice training, nor to Wrans who enter directly as officer candidates.

8. With due regard to the cut-off dates in Paragraph 11, Commanding Officers are to forward nominations or re-nominations by letter with respect to sailors, Naval Policemen and Wrans who are considered to be potential officers for one of the avenues of promotion to commissioned rank. These personnel must be volunteers for the avenue for which nominated and must meet the nomination criteria defined in Paragraphs 13-17. The following details are to be included in the letter of nomination:

- a. Full name, rank, personal number, date of birth.
- b. List, Branch (and category where applicable) for which recommended.
- c. Civilian educational qualifications, including final year of secondary schooling completed. Documentary evidence of qualifications which merit the award of SGCE exemptions are to be included if not previously submitted.
- d. Service educational qualifications including exemptions awarded as a result of an earlier submission.
- e. Confirmation that the sailor, Naval Policeman or Wran is a volunteer and is medically fit for the promotion avenue recommended in b. above.
- f. Confirmation that application for security clearance is forwarded as an attachment to the letter of nomination.
- g. Any other relevant information.

9. A reply will be forwarded from Navy Office acknowledging receipt of each nomination and confirming eligibility for the proposed avenue of promotion.

10. Nominated personnel will be scheduled to appear before an Initial Selection Board (ISB) to assess suitability for the proposed avenue.

11. Personnel nominated by 31 December will normally appear before an ISB early in March; those nominated before 30 June will normally appear before an ISB early in September. Nominees who are unavailable for reasons such as ships movements or service in remote localities will be scheduled to appear before an ISB at the first available opportunity.

12. Nominations may be cancelled at any time if:

- a. the nominee is no longer recommended; or
- b. the nominee ceases to be a volunteer.

##### Nomination Criteria

13. Age, rank and academic pre-requisites at the date of nomination where applicable, are given hereunder. Due account must also be taken of the criteria for final selection to the particular avenue of promotion and, in particular, the maximum age.

14. *General List.* Nomination for OCGL is limited to the training establishments HMAS LEEUWIN, NIRIMBA and CERBERUS as detailed in Annexe A to this order.

15. *Supplementary List.* No pre-requisites but see Annexe B.

16. *Special Duties List*. Minimum rank—Leading Sailor. Maximum ages for promotion are shown in RI Chapter 5. For minimum rank and age limits for promotion in Naval Police Branch see RI Chapter 57.

17. *WRANS Officer*. Minimum rank and age limits are shown in ABR 1077.

#### Initial Selection Boards

18. *Policy*. Initial Selection Boards have been introduced to ensure that, from the outset, a potential officer candidate has a clear understanding of the conditions of service applicable to his chosen avenue of promotion, of the academic and professional pre-requisites, of his likelihood of success in achieving these pre-requisites, and of any detrimental aspects which may be within his ability to correct. Limiting officer candidature to those personnel who possess the requisite personal qualities and potential should enhance the status of the OC and ensure that the administrative effort necessary to foster such candidates is concentrated on those most capable of achieving their goals. It is emphasised that the primary purpose of the ISB is to identify officer potential. Although academic and/or professional qualifications achieved to date are of significance to the ISB, they will not be overriding factors in the Board's decisions.

19. *Procedure*. Adult Recruits and Apprentices who are considered to be potential GL officers, and Junior Recruits who are considered to be potential GL or SL officers are to appear before Initial Selection Board convened at HMAS CERBERUS, NIRIMBA or LEEUWIN as detailed in Annexe A to this order.

20. All other SL nominees and all SD and WRANS Officer nominees will appear before an Initial Selection Board convened by FOCEA in early March and early September.

21. A list of personnel nominated and available to appear before each ISB will be advised by Navy Office. Commanding Officers are to forward Forms PP121 completed in all sections and a recent photograph for each nominee to FOCEA before the Board. Navy Office will provide FOCEA with copies of Form PH14 for all nominees.

22. *Composition*. The ISBs will comprise a Captain GL as Board President, an Instructor Commander and a Commander. Where the nominee is a Naval Policeman or a Wran, the Board should be assisted by an Officer of Chief Inspector/First Officer rank or above respectively. The Board will be assisted by a Naval Psychologist.

23. *Functions*. The functions of the Initial Selection Board are:

- a. to ensure that every nominee is aware of the conditions of service applicable to the officer avenue for which nominated;
- b. to assess each nominee as pass or fail for the recommended list/branch/category, such assessment being based on his or her service record, intellectual and academic potential, motivation and personal qualities; and
- c. to determine if each sailor who fails the nominated avenue is suitable and eligible for an alternative avenue and is willing to accept the alternative.

24. In exceptional cases, a nominee may be deferred for six months. Deferrals should normally be limited to cases where the nominee displays uncertainty concerning his career aspirations or choice of avenue.

25. *Reporting*. The ISB will:

- a. forward by signal to Navy Office (preferably on completion of interviews at each interview centre) a list of nominees who have passed the ISB and their branch/category. Where the branch/category is different from that for which nominated, an appropriate notation should be inserted;

b. forward to Navy Office on Form PP121 a written report on every nominee. Reports on failed candidates should indicate areas in which they are deficient and if the Board considers the deficiency is within the nominee's capacity to rectify.

26. On receipt of the ISBs written reports in accordance with Paragraph 25b, Navy Office will advise Commanding Officers of the results by letter (with a personal copy for each nominee). Where a nominee has been failed, the letter will give reasons if remedial action is considered feasible.

27. Ships and establishments are then to raise OC papers (Form PP120) for successful officer candidates and to report to EDP in accordance with ABR 5063, Volume 2, Article 3048. Periodical reports on Form PP121 are then to be forwarded in accordance with the instructions on Form PP120.

28. *Re-nominations*. Nominees who are not awarded a pass or deferral by the Initial Selection Board will be eligible for re-nomination six months after the date of the ISB.

#### Officer Candidature Papers

29. *Cancellation*. Cancellation of OC papers is to be reported on Form PP11 in accordance with ABR 5063, Volume 2, Article 3049, and the cancelled papers are to be forwarded to Navy Office. Papers may be cancelled:

a. by the Naval Board:

- (1) after the candidate has been assessed as unsuitable by a Final Selection Board;
- (2) at any time it is considered that the OC is not maintaining a satisfactory level of report or of academic progress;
- (3) at any time that the OC falls below the required medical standard for his branch/category; or
- (4) if the OC passes the upper age limit for his branch/category.

b. by the OCs Commanding Officer:

- (1) at any time the OC is no longer recommended; or
- (2) at any time the OC ceases to be a volunteer.

30. When cancellation is effected by the Commanding Officer, an appropriate Form PP121 is to be raised and enclosed.

31. *Re-nomination After Cancellation*. If a Commanding Officer wishes to re-nominate an ex-officer candidate whose OC papers have previously been cancelled, nomination is to be made in accordance with Paragraph 8 of this order.

#### Selection of Officer Candidates for Academic Courses

32. *SGCE Preparatory Course*. A preparatory course to assist selected SD, SL and WRANS Officer candidates to qualify educationally for commissioned rank is conducted at HMAS LEEUWIN.

33. The course, which is of approximately nineteen weeks duration, caters primarily for the SGCE subjects of English, Mathematics, Geography, Physics and Navigation, but alternative subjects will be available where appropriate.

34. Although SGCE subject syllabuses are studied, the timing of the course makes it more convenient for candidates to attempt the LEEUWIN Educational Test (LET) which is conducted in mid-May and mid-November. Passes in LET subjects are acceptable alternatives to SGCE passes for purposes of qualifying educationally for commissioned rank but do not count towards the award of the SGCE certificate. Candidates are given the opportunity to sit for the SGCE examination if they have achieved a suitable standard at this stage of the course.



35. Selection of officer candidates to attend the course will be based on such criteria as age, rank and requirements in the various officer branches and categories. In general, preference will be given to personnel who have made progress by private study towards achieving some of the academic and/or professional pre-requisites for promotion to commissioned rank.

36. The SGCE course will normally comprise twenty-five candidates and the ratio of SD, SL and WRANS Officer candidates will be determined by Navy Office before each course.

37. The Preparatory Courses Selection Board, comprising DNES, DNMP, DSP and D/PSYCH-N, will consider all eligible officer candidates. The list of selected officer candidates will be forwarded by signal to ships and establishments concerned requesting confirmation that the candidates selected are volunteers for the course. Postings will be issued as soon as possible after confirmation and with the aim of completing administrative action by 30 April and 31 October as appropriate. Re-engagement provisions will apply.

38. For exceptional cases only, any vacancies in course numbers may be filled by recommended Junior Recruits who have passed the LEEUWIN ISB as detailed in Annexe A to this order.

39. *Matriculation Preparatory Course.* A preparatory course to assist selected GL and SLEN officer candidates to qualify educationally for commissioned rank commences annually at LEEUWIN on the second Monday in July. The course is of approximately eighteen months duration and culminates with the West Australian Tertiary Admissions Examination.

40. Nomination of GL officer candidates is limited to HMAS LEEUWIN, NIRIMBA and CERBERUS. Procedures for the nomination and selection of OCGL for the matriculation course are detailed in Annexe A to this order.

41. SLEN officer candidates must meet the following pre-requisites to be eligible for selection for the matriculation course:

- a. Age limits. To be under twenty-two years on 1 January of the year of commencement of the matriculation course.
- b. Minimum education pre-requisites. Academic level 7 (4 SGCE/HET passes or exemptions including English and a Mathematics subject).
- c. Re-engagement provisions. These are applicable.
- d. OC papers. To have current CW papers as OCSLEN, ie, to have been nominated for and passed an Initial Selection Board as an OCSLEN.
- e. General Service Sailors to have served at least twelve months after completion of category course.
- f. Ex-NIRIMBA Sailors to have served at least twelve months after completion of apprenticeship, which is defined as four years from initial entry and completion of task books.

42. The Preparatory Courses Selection Committee (*see* Paragraph 37) will select eligible SLEN officer candidates for the matriculation course. The names of selected candidates will be issued by signal by 30 April.

#### **Educational Qualifications for Promotion to Commissioned Rank**

43. RI Appendix 45A details the educational pre-requisites for promotion to commissioned rank within the various avenues available. It also contains details of the various Service educational tests, procedures for obtaining SGCE exemptions, methods of recording academic qualifications on service records and definitions of academic levels.

44. Tables showing the broad progression of officer candidates from nomination to final selection are included as Annexes B and C to this order.

45. Navy Order 64/74 is hereby cancelled.

#### **ANNEXE A**

##### **Special Provisions for Junior Recruits, Adult Recruits and Apprentices**

1. In view of the requirement to select General List Officer Candidates as early as possible special provisions are made in this Annexe for the nomination and selection of OCGL from Junior Recruits, Adult Recruits and Apprentices. These provisions are limited to the training establishments HMAS LEEUWIN, NIRIMBA and CERBERUS.

2. In addition, provision is made for the nomination and selection of Junior Recruits as Supplementary List Officer Candidates. The placement of Junior Recruit Supplementary List Officer Candidates on the SGCE Preparatory Course is to be deferred for at least one year after the completion of Junior Recruit training, but in exceptional circumstances Junior Recruits may be placed on the SGCE Preparatory Course to fill vacancies remaining after selections from other sources have been finalised.

##### **Nomination Criteria**

3. The criteria for the nomination of OCGL are as follows:

- a. OCGL to be aged under eighteen years on 1 January of the year in which nominated;
- b. to be considered potential GL officer in respect of personal qualities, physical fitness and motivation;
- c. to have demonstrated by results in service and/or civil educational examinations and in psychology tests that the sailor possesses the required ability to achieve matriculation after an appropriate course of study; and
- d. OCGL candidates to be medically fit for one or more branches of the General List.

##### **Matriculation Preparatory Course**

4. Selected OCGL will undertake the matriculation preparatory course in HMAS LEEUWIN. The course is of approximately eighteen months duration, and commences annually on the second Monday in July.

##### **General List Candidates—Nomination**

##### **NIRIMBA**

5. The following is the nomination procedure in respect of NIRIMBA candidates:

- a. NIRIMBA is to convene an Initial Selection Board in May of each year to interview potential OCGL who meet the nomination criteria listed at Annexe B;
- b. a list of selected OCGL in order of preference is to be signalled to Navy Office on completion of the ISB;
- c. OC papers are to be raised by NIRIMBA and Forms PP121 are to be forwarded to reach Navy Office by 31 May. Reports of officer candidature are to be forwarded to EDP in accordance with ABR 5063, Volume 2, Article 3048;
- d. applications for security clearance are to be forwarded to Navy Office as enclosures to Forms PP121.

## ANNEXE A—continued

## LEEWIN

6. The following is the nomination procedure in respect of potential GL and SL candidates from Junior Recruits:

a. *On completion of May Term Academic Examinations:*

- (1) LEEWIN is to convene an Initial Selection Board to interview potential GL and SL officer candidates who are volunteers for one or both avenues of promotion;
- (2) A separate order of merit of recommended volunteers for both the General and Supplementary Lists is to be signalled to Navy Office on completion of the ISB. Where a nominee appears on both lists his first preference is to be indicated by placing the word 'FIRST' after his name on the appropriate list. Each name should also be followed by an indication (in the Board's order of preference) of the branches for which he is considered suitable and medically fit;
- (3) OC papers (Forms PP120) are to be raised for recommended personnel; Forms PP121 are to be forwarded to reach Navy Office by 15 June. EDP reports are to be forwarded in accordance with ABR 5063, Volume 2, Article 3048;
- (4) Applications for security clearance are to be forwarded to Navy Office as enclosures to Forms PP121.

b. *In June/July:*

- (1) An ISB is to be convened to interview potential GL and SL officer candidates of the April intake who are volunteers for one or both avenues of promotion;
- (2) A separate order of merit of recommended volunteers for both the General and Supplementary Lists is to be signalled to Navy Office on completion of the ISB. Where a nominee appears on both lists his first preference is to be indicated by placing the 'FIRST' after his name on the appropriate list. Each name should also be followed by an indication (in the Board's order of preference) of the branches for which he is considered suitable and medically fit;
- (3) OC papers (Forms PP120) are to be raised for recommended personnel; Forms PP121 are to be forwarded to reach Navy Office by 31 July;
- (4) Applications for security clearance are to be forwarded to Navy Office as enclosures to Forms PP121.

*Note:* Recommended GL candidates from this ISB will be considered for the current Matriculation Preparatory Course if vacancies permit.

## CERBERUS

7. The following is the nomination procedure in respect of potential GL candidates from Adult Recruits:

- a. CERBERUS is to convene an ISB to interview any Adult Recruit who meets the criteria defined in Paragraph 3 of this Annexe;
- b. names of recommended OCGL are to be signalled to the Naval Board, listed in order of preference, on completion of the ISB;
- c. OC papers are to be raised by CERBERUS. Forms PP121 are to be forwarded to Navy Office, and EDP reports raised in accordance with ABR 5063, Volume 2, Article 3048;

## ANNEXE A—continued

- d. applications for security clearance are to be forwarded to Navy Office as enclosures to Forms PP121.

**Selection for Matriculation Preparatory Course**

8. Navy Office will compile a list of all OCGL as at 31 May each year.

9. The selection of Fleet OCSLEN to attend the July Matriculation Course will already have been promulgated. (See Paragraph 42 of this order.)

10. The Preparatory Courses Selection Committee will make its OCGL selections to attend the July Matriculation Course as soon as possible after 31 May. Selections will be promulgated by signal not later than mid-June.

11. On receipt of LEEWIN's OCGL recommendations after the June/July Initial Selection Board (see Paragraph 6b of this Annexe), further selections will then be made to join the courses to commence in July.

**Cancellation of Officer Candidature**

## LEEWIN

12. Junior Recruits who are nominated as OCGL by LEEWIN but who fail to gain selection for the matriculation course during JR training shall have their candidature cancelled or altered to the SL avenue by LEEWIN not later than the completion of JR training.

## NIRIMBA

13. Apprentices who are nominated as OCGL by NIRIMBA, but who fail to gain selection for the matriculation course during the first three terms of NIRIMBA training, shall have their candidature cancelled by NIRIMBA not later than the completion date of their third term of apprentice training.

## CERBERUS

14. Adult Recruits who are nominated as OCGL by CERBERUS, but who fail to gain selection on the first occasion they are considered for the matriculation course, shall have their candidature cancelled by Navy Office.

**Withdrawals from OCGL and those not Selected for Entry to RANC**

15. OCGL who fail to make satisfactory progress or who prove otherwise unsuitable during OCGL training and those who are not selected for entry to RANC will continue their previous sailor careers without loss of service seniority, the necessary directions being issued from Navy Office. They will be eligible for promotion in accordance with the normal rules and if necessary may be allowed a period equivalent to the time spent on the course, beyond their normal date of promotion, in which to obtain any qualifications they require and which they were unable to obtain through serving on the OCGL course. Apprentices are to resume their apprentice training in the term in which they are being trained or about to be trained at the time of their selection for OCGL training. On graduation, service seniority will be granted had the Apprentice not been on OCGL course, pay seniority, however, is to be the day of graduation.

**Promotion**

16. Whilst undergoing the OCGL course, OCGL are eligible for promotion provided they are qualified in all respects in accordance with the normal rules. Time on OCGL course counts towards any service qualification required for promotion.

ANNEXE B

Requirements for Promotion to Commissioned Rank

175/75

	Requirement	General List	Supplementary List		Special Duties List			WRANS Officer
			EN	SEA, AIR, SU	EN, SHIP	SEA, AV	SU, WM, WD, BD, NP	
Selection	Final Selection Board	RANC Board	RANC Board	SL Board	SD FSB	SD FSB	SD FSB	WRANS Officer Board
Prerequisites for Promotion	Professional Qualifications	NA	NA	NA	See RI Ch5	See RI Ch5	See RI Ch5	Promotion Course
	VG Conduct	NA	NA	NA	See RI Ch5	See RI Ch5	See RI Ch5	NA
Prerequisites for Promotion	Sea Service	NA	NA	NA	See RI Ch5	See RI Ch5	See RI Ch5	NA
	Minimum Rank	NA	NA	NA	See RI Ch5	See RI Ch5	See RI Ch5	WR*
Prerequisites for Promotion	Age on Promotion	20 or under on 1 JAN of RANC entry	Under 24 on 1 JAN of RMIT entry	Over 17, under 24 on 1st day of month of course	See RI Ch5	See RI Ch5	See RI Ch5	21 or over but under 31 on promotion
	Medically Fit Academic	E, L, SU or IT Matriculation	E See Note 1	Yes AL 7 (Notes 2 and 3)	Yes AL 8 or 9 (Notes 2 and 3)	Yes AL 7 (Notes 2 and 3)	Yes AL 6 (Notes 2 and 3)	Yes AL 5 (Notes 2 and 3)
Academic Phase	Eligible for Matriculation Course (Prereq. if any)	Yes 18 yrs or under on 1 JAN of Matriculation course year (See Note 4)	Yes AL 7 (Notes 2 and 3) under 22 on 1 JAN of matriculation course year (See Note 4)	No	No	No	No	No
	Eligible for SGCE Course	No	No	Yes	Yes	Yes	Yes	Yes

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Initial Phase	Pass ISB	Junior Recruits, Adult Recruits and Apprentices	Yes	Yes	Yes	Yes	Yes	Yes
	Security Clearance OC Nomination (Prereq. if any)	Yes Junior Recruits, Adult Recruits and Apprentices	Yes	Yes	Yes	Yes	Yes	Yes
					Leading Rank	Leading Rank	Leading Rank	At least six months service from date of entry

Notes: 1. SLEN academic prerequisites—HSC (or equivalent) English, Physics, Chemistry and a Maths subject.

2. The following academic levels refer to subject passes or exemptions in HET/SGCE/LET:

- AL 5—Two subject passes including English.
- AL 6—Four subject passes including English.
- AL 7—Four subject passes including English and either Maths I or Maths II.
- AL 8—Four subject passes including English, Maths I and Maths II.
- AL 9—Four subject passes including English, Physics and either Maths I or Maths II.

3. The academic levels cited are minimum academic levels required, and are arranged in ascending order of standard. A higher academic level to the minimum required is to be regarded as more desirable.

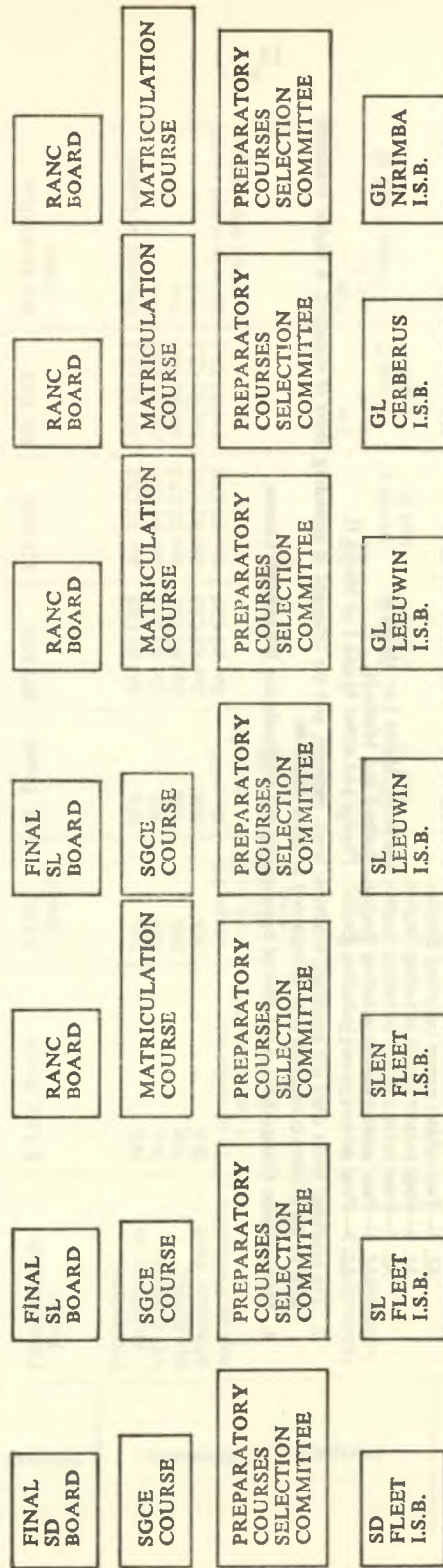
4. Matriculation Course Year is the year of commencing the Matriculation Preparatory Course.

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ANNEXE C

Sequence in Process of Selection of Sailors and Wrens for Commissioned Rank



Note: Sailors and Wrens who are academically qualified, and who meet all other criteria for promotion, will appear before Final Boards after passing I.S.B.

(303/21/171)

(Navy Order 64/74)

AMENDMENTS

UNCLASSIFIED

176/75—General Naval Stores—Cloth, Cleaning—Class 7920

Navy Order 303/73 is to be amended as follows:

a. Paragraph 1:

Class	Catalogue No	Description	Unit	Acctg Classn
Delete: 7920	66-054-3591	CLOTH, CLEANING, Sheets per carton	200 BX	C
Insert: 7920	66-079-8955	CLOTH, CLEANING, Sheets per carton—each sheet 60 cm x 30 cm	350 BX	C

b. Paragraph 3:

Delete: 'Stocks of 7920-66-054-3591'.

Insert: 'Stocks of 7920-66-079-8955'.

(514/62/250)

(Navy Order 303/73)

APPENDIX C

Summary of Results of Subsequent of Review and Review

Case No.	Case Name	Case Description	Case Status	Case Date	Case Location	Case Agency	Case Outcome
101	...	...	...	...	...	...	...
102	...	...	...	...	...	...	...
103	...	...	...	...	...	...	...
104	...	...	...	...	...	...	...
105	...	...	...	...	...	...	...
106	...	...	...	...	...	...	...
107	...	...	...	...	...	...	...
108	...	...	...	...	...	...	...
109	...	...	...	...	...	...	...
110	...	...	...	...	...	...	...
111	...	...	...	...	...	...	...
112	...	...	...	...	...	...	...
113	...	...	...	...	...	...	...
114	...	...	...	...	...	...	...
115	...	...	...	...	...	...	...
116	...	...	...	...	...	...	...
117	...	...	...	...	...	...	...
118	...	...	...	...	...	...	...
119	...	...	...	...	...	...	...
120	...	...	...	...	...	...	...

17675—General Naval Service—Case—Chicago—Case 7000

See Case 30173 to be removed to file

17675—General Naval Service—Case—Chicago—Case 7000

See Case 30173 to be removed to file

17675—General Naval Service—Case—Chicago—Case 7000

See Case 30173 to be removed to file



RESTRICTED

HISTORIAN

ANOs 177/75-187/75



# AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,  
30 June 1975.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

A handwritten signature in cursive script, appearing to read 'J. Green'.

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

RESTRICTED

## CONTENTS

<i>No</i>	<i>Title</i>
<b>SECTION 1—ADMINISTRATIVE AND GENERAL</b>	
177/75	Definition of Class Authority.
178/75	Guided Weapons—Temperature Penalties and Propellant Records.
<b>SECTION 2—PERSONNEL</b>	
179/75	Recognition of De Facto Relationships.
180/75	Ships Sporting Colours.
181/75	The Ian MacDonald Memorial Prize.
<b>SECTION 3—OPERATIONAL AND TRAINING</b>	
182/75	HMAS STALWART—Flight Deck Markings.
183/75	RAN Instrument Rating Scheme.
<b>SECTION 4—EQUIPMENT, STORES AND SERVICING</b>	
184/75	Boilers—Sighting and Purging—Change to BR 3000.
185/75	HMA Ships Steam Plant—Lubrication of Sliding Feet.
186/75	Main Boilers—Weirs Robot Feed Regulators.
187/75	Victualling Allowances and Fixed Issuing Prices for Provisions as from 1 April 1975.

Additional copies of Navy Orders may be readily obtained by:

- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 4718.



## Section 1

## ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

## 177/75—Definition of Class Authority

1. Class Authorities exist in the RAN for some war vessels, to co-ordinate matters outside the concern of the Operational Authority where commonality between or applicability to more than one ship of the Class is possible.

2. Material of such a nature generated in a ship of the Class, and subsequent related communications, are therefore to be referred (through or from Squadron Base Staffs where appropriate) to the Class Authority in the first instance. Examples include:

- a. Alteration and Addition/Modification Proposals (TM187);
- b. Reports of Defective Material and Design (TM170);
- c. Planned Maintenance Schedule Amendment Proposals (TM146);
- d. Full Power Trial Reports (TT123);
- e. ship running returns;
- f. other technical reports and returns as nominated by the Class Authority; and
- g. submissions concerning complement, training, capability, performance or support.

3. In this way the Class Authority will develop an information bank to assist in such activities as the resolution of problems, the identification of trends and the correlation of facts or opinions before submission to higher authority.

4. Other functions of the Class Authority include:

- a. the development and preservation of common operating procedures and maintenance standards for equipments and systems;
- b. the development of standard Refit and Docking Defect Lists;
- c. the development of pre- and post-Refit Trials Schedules;
- d. the supply of information to the Technical Authority for the Class of Ship appropriate to that Authority's responsibility for keeping technical reference documentation up to date; and
- e. the determination of the range and number of official publications to be carried on board.

5. Material being submitted or forwarded by a Class Authority (in that capacity) is normally to be addressed directly to Navy Office, with information copies being passed to the Fleet Commander or the Administrative Authority when considered appropriate.

6. The following Class Authorities exist in the RAN:

- a. COMAUSMINPABFOR for MCMV, PTF and TRV; and
- b. COMAUSLANCRON ONE for LCH.

(498/1/5)

## RESTRICTED

**178/75—Guided Weapons—Temperature Penalties and Propellant Records**

1. The procedures for recording and reporting temperatures experienced by guided weapon motors are contained in BR 862 (NMER) Change No 12. Form SI147a is replaced by Form TI354 in the RAN.

2. Although the provisions of BR 862, Article 1115, apply to many air and surface guided weapons, special provision has to be made for assessing propellant life in Ikara and Seacat missiles. Simpler procedures will apply to the Mattina and Turana propellants.

**Temperatures Exceeding 21° C (70° F) and 32° C (90° F)**

3. The lives of Murawa motors of Ikara missiles and Sealyham motors of Seacat missiles are considerably shortened when stored at temperatures above 21° C (70° F) and 32° C (90° F) respectively. Logistic problems are greatly eased if they are kept below these temperatures since penalties or equivalent life must be assessed on temperatures above these figures. The effects and limitations on the exposure of Seacat missiles to the sun's direct rays and high ambient temperatures have been published in Special Technical Notice/Seacat/5C in BR 2500 (1) and BR 2500 (1A). Limits for high and low temperature exposures of Tartar rocket motors are given in NAVWEPS OP3617 Chapter 1. Temperature limits for the Sidewinder AIM-9B are shown in Table 4-1 of NAVAIR 01-80 GMC-2.

**Reporting of Motor Temperatures**

4. Procedures for reporting motor temperatures for Ikara and Seacat missiles are as follows:

- a. From magazine temperature records, the average of the maximum daily temperature for each week (Sunday to Saturday inclusive), is calculated. Storage for a fraction of a week is recorded as a complete week.
- b. This information is used to complete the temperature columns of the Abstract of Magazine Log Part Sheet in each Missile Log Book when missiles are fired or transferred.
- c. The information is also to be used for regular reporting in accordance with BR 862 Article 1115 on Form TI354. Because of the severe penalties incurred at the high temperatures which can be experienced by RAN ships, frequent revisions of missile life are necessary. Therefore quarterly reports are required on 1 January, April, July and October in lieu of the half yearly reports required by Article 1115 (2) (b). Forms TI354 are to be addressed to the Resident Inspecting Officer, RAN Missile Maintenance Establishment, Kingswood, NSW 2750; copy to Inspector of Naval Ordnance, Sydney, HMA Naval Establishment, Garden Island, NSW 2000.
- d. Guided missile motors should be listed by serial numbers. Separate forms should be used for different types of motors.
- e. *Abnormally High Temperatures.* When weekly average storage temperatures exceeding 43° C (110° F) or daily storage temperatures exceeding 49° C (120° F) are experienced, a signalled report is to be made to COMAUSFLT, information FOCEA, INO (S), RANAD Kingswood, and DEFNAV CANBERRA in accordance with Article 1116.

**Ikara Penalty Assessment**

5. On receipt of temperature reports either on Form TI354 or Log Book Part Sheet, the corresponding penalty in weeks for each motor is calculated by the Resident Inspecting Officer at RANMME in accordance with the following table:

**Murawa Penalty for each Week Stored in the Range**

Fahrenheit	Under 70°	70°—75°	75°—80°	80°—85°	85°—90°	90°—95°	95°—100°	100°—105°	105°—110°	110°—115°	115°—120°	120°—125°	125°—130°
Weeks	0	0.2	0.7	1.3	2.2	3.3	4.8	6.9	9.4	13.0	17.7	24.3	33.0

6. The revised withdrawal date for each motor is calculated by subtracting the total penalties from an initial life of eleven years at 21° C (70° F) from the date of filling and entered on the Part Sheet for Murawa motor and depot records.

**Seacat Equivalent Life Assessment**

7. On receipt of temperature reports either on Form TI354 or Log Book Part Sheet, the equivalent life expended by each motor is calculated by the Resident Inspecting Officer at RANMME in accordance with the following table:

**Sealyham Equivalent Life for each Week Stored in the Range**

Fahrenheit	Under 90°	90°—95°	95°—100°	100°—105°	105°—110°	110°—115°	115°—120°	120°—125°	125°—130°
Weeks	1.0	1.1	1.5	2.1	2.8	3.7	5.0	6.7	9.1

8. The actual stored life is then subtracted from the total equivalent life above to give the penalties applicable to Seacat missiles. The revised withdrawal date for K50A1 motors is calculated by subtracting the total penalties from an initial life of seven years at 32° C (90° F) from the date of filling and entered on the Part Sheet for the motor and depot records.

**Penalty and Equivalent Life Factors**

9. The penalty factors can be deduced by subtracting one from the equivalent life factors which are determined for each Fahrenheit temperature range according to an empirical law.

10. The introduction of Celsius thermometers and thermographs will require the use of modified tables derived from the equivalent life law for convenient Celsius temperature ranges. Celsius tables are given at Annexe A to this order for use when the change to metric recording occurs. An updated Form TI354 for Celsius temperature reporting will be issued.

**Mattina Clear Launcher Facility**

11. The Mattina igniter determines the life of the motor as it has a considerably shorter life than the chemical life of the propellant. Igniter life has been assessed as seven years at 21° C (70° F).

12. To avoid the need to maintain and analyse temperature records the following simple penalty system will be used when Mattina is introduced:

- a. the '70° F equivalent life' will be calculated by multiplying the actual storage life by the following factors:
  - (1) depot storage: 1.0 (70° F),
  - (2) shipborne air cooled stowage: 1.6 (80° F average), and
  - (3) shipborne ambient stowage: 2.7 (90° F average);

- b. penalties will be subtracted from an igniter service life of seven years at 21° C (70° F);
- c. a record of life expended and remaining will be kept by the Resident Inspecting Officer at RANMME only.

#### Turana Boost Motors

13. The Turana Drone incorporating the Rodinga boost motor will normally be embarked as required and will be withdrawn before a maximum storage life of two years in a ship. Temperature penalties will not be applied during this period.

#### Withdrawal of Overage Motors

14. The Officer in Charge of the Armament Depot will ensure that motors with insufficient remaining life are not issued to ships and are withdrawn from service.

15. This Navy Order is to be noted in Chapter 11 of NMER pending formal amendment.

16. Navy Orders 224/72 and 429/72 are hereby cancelled.

### ANNEXE A

Celsius temperature ranges will be applied to penalty assessments as follows:

#### Murawa Penalty for each Week Stored in the Range

Under 21°	21°— 24°	24°— 27°	27°— 30°	30°— 33°	33°— 36°	36°— 39°	39°— 42°	42°— 45°	45°— 48°	48°— 51°	51°— 54°
0	0.4	0.9	1.6	2.4	3.8	5.6	8.1	11.5	16.4	22.6	31.4

#### Sealyham Equivalent Life for each Week Stored in the Range

Under 33°	33°— 36°	36°— 39°	39°— 42°	42°— 45°	45°— 48°	48°— 51°	51°— 54°
1.0	1.3	1.7	2.4	3.3	4.6	6.3	8.6

(N1410/1/21)

(Navy Orders 224/72 and 429/72)

## Section 2

### PERSONNEL

UNCLASSIFIED

#### 179/75—Recognition of De Facto Relationships

##### Introduction

1. Recognition of de facto relationships within the Defence Force was recommended by the Woodward Committee and has now been given effect in the Defence Force (Salaries) Regulations. This order details the method whereby genuine de facto relationships may be recognised.

#### Definitions

2. For the purpose of this order the following definitions apply:

- a. 'Child/children' means, in relation to a member and his or her de facto spouse, a child or children of whom either the member or the de facto spouse has custody or for whom the member or the de facto spouse is otherwise responsible in law.
- b. 'De facto spouse' means, in relation to a member, a person of the opposite sex who, although not legally married to the member, lives with him or her on a permanent and bona fide domestic basis as his or her spouse.
- c. 'Married quarter' includes:
- (1) a married quarter constructed within a commissioned naval establishment;
  - (2) a married quarter provided for naval use under the Commonwealth/State Housing Agreement Act;
  - (3) a married quarter constructed, acquired or hired for naval use outside a naval establishment; and
  - (4) a residence provided in the Australian Capital Territory by arrangement between the Department of Defence (Navy Office) and the Department of the Capital Territory.
- d. 'Member' means a member of the Permanent Naval Forces, or a member of the Citizen Naval Force or Emergency Reserve rendering full-time continuous service.

#### General Effect of Recognition

3. Where a de facto relationship is recognised, a male member will be entitled to the salary, allowances and conditions of service applicable to a married member during his service. In the case of a male member who is married and has a de facto relationship recognised, the financial entitlements and conditions of service otherwise applicable to his legal wife will pass to his de facto wife. Service recognition of a de facto relationship does not alter any legal requirement for a husband to maintain his wife and children and does not, for instance, affect the validity of any order made by the Minister under Naval Financial Regulation 88A (Compulsory Deductions From Pay to Satisfy a Maintenance Order).

4. Where a male member's de facto wife is in receipt of a widow's, deserted wife's or supporting mother's pension these entitlements will generally cease on entry into the de facto relationship. A similar situation may arise in relation to other benefits or entitlements received from government or other sources. It is the responsibility of the recipient to advise the authority concerned of the changed circumstances.

5. Recognition, by the Service, of a de facto relationship does not imply legal recognition in the same sense that a legally married spouse is recognised at law. For instance, unless nominated as beneficiary in a will, a de facto spouse may have no legal claim to any part of a member's estate. Even nomination as a beneficiary in no way shields a de facto from challenge by a legal spouse. Members should also be advised that recognition does not automatically confer a right to claim membership of the NHBS in respect of de facto dependants. Membership is dependent upon approval by the society of an application for membership in respect of these persons.

### Approving Authorities

6. Applications are to be submitted to the member's Commanding Officer for consideration. Subject to Paragraphs 9 to 12 below, approval to authorise recognition of a de facto relationship is vested in a Commanding Officer who holds the rank of Lieutenant Commander or above. Applications submitted to a Commanding Officer below this rank are to be forwarded to the appropriate Administrative Authority for consideration.

### Relationships Formed in Australia

7. Where an application is submitted by a member for the recognition of a de facto relationship formed in Australia such application, except where either party is under the age of eighteen years, may, subject to Paragraph 6 above, be approved by the member's Commanding Officer.

8. Notwithstanding the foregoing a Commanding Officer who for any reason considers it desirable to do so, may forward the application to the appropriate Administrative Authority, who in turn may forward it to Navy Office.

### Relationships Formed by Personnel Under Eighteen Years of Age

9. The Navy has a responsibility 'in loco parentis' for personnel who are under the age of eighteen years. Therefore when the service party to a de facto relationship is under eighteen years of age, the Commanding Officer may grant recognition only when written consent to the relationship is given by the parent or legal guardian of the service member.

10. When the other party to a de facto relationship is under the age of eighteen years, parental consent is also mandatory before consideration can be given to recognition of the relationship.

### Relationships Formed Overseas

11. Where an application is submitted by a member for the recognition of a de facto relationship formed while the member is serving overseas, the Commanding Officer is to advise the local RAN Administrative Authority and the resident Australian Consul (with a request that he refer the matter to the Department of Labor and Immigration) of details of the application. This applies even if the de facto partner is an Australian national. The comments and recommendations received from the Australian Consul are to be forwarded to Navy Office together with the member's application and recommendation of the Commanding Officer.

### Parties Related by Blood or Connected by Marriage

12. In cases where the parties are related by blood or connected by marriage, their de facto relationship will not be recognised if their relationship or connection would prevent their marriage because it falls within the prohibited degrees of consanguinity or affinity listed in the Matrimonial Causes Act. Applications which reveal that the parties are related by blood or connected by marriage are to be forwarded to Navy Office for consideration.

### Form of Application

13. Applications for recognition of de facto relationships are to be made by statutory declaration in the form set out at Annexe A to this instruction. Applications are to be supported as necessary by:

- a. a separate statutory declaration, by the other party, in the form set out at Annexe B;

- b. a copy or extract of the birth certificate of the de facto spouse;
- c. where either party to the de facto relationship is under the age of eighteen years, a statutory declaration signed by the parent or guardian of that party, declaring consent to the relationship;
- d. a copy or extract of the birth certificate and, where relevant, adoption papers relating to children whom the member and the de facto spouse wish to have recognised under the relationship.

### Consideration of Applications

14. The main criteria to be applied by Commanding Officers in determining whether a relationship satisfies the definition at Paragraph 2b. is to be evidence that it is genuine and potentially lasting, and that it has been established on a bona fide domestic basis. In arriving at their decisions Commanding Officers should be guided by the statutory declarations signed by both parties and should attempt to assess the situation by consideration of the following:

- a. the marital circumstances—whether a divorce is pending or the member is unable to take divorce proceedings for religious or other substantive reasons;
- b. the domestic circumstances—whether the woman maintains a home for the man and/or his children or acts as guardian for them; or whether the woman has borne the man a child or is pregnant by him; and
- c. the financial circumstances—whether the woman is dependent on the man, whether there is a joint bank account or whether they have entered into joint financial commitments such as purchasing a home, car or other goods, or whether the woman is a beneficiary under the man's will.

15. The above serve to illustrate some of the areas which should be examined by Commanding Officers in order to determine whether the relationship should be recognised. Commanding Officers may seek the services of the Naval Welfare Organisation and/or the naval legal services to assist them in their deliberations.

### Deferment of Recognition

16. An approving authority may for any reason defer decision on an application for a period of up to three months. Subsequently, the decision may be deferred for another three months but should deferment beyond six months be considered necessary the circumstances are to be reported to Navy Office. Examples of situations which may result in a deferment could be:

- a. where the relationship has existed for less than three months and the approving authority is not satisfied that the relationship is genuine and potentially lasting, and is established on a bona fide domestic basis;
- b. where the member has a legal spouse or a previously recognised de facto spouse who is occupying a married quarter. Approval should be deferred until the quarter is vacated, and suitable alternative arrangements have been made;
- c. where either party is under the age of eighteen years and consent to the de facto relationship has not been given by the parent or guardian of that party (see Paragraphs 9 and 10); and
- d. where, if approved, a recognition would adversely affect the morale or discipline in a ship or establishment.

17. Where an applicant's posting becomes effective during a period of deferment the application may be reviewed prior to such posting. Should the deferment remain in force, the application together with a covering letter is to be forwarded to the member's new Commanding Officer.

**Advice to Applicant**

18. A male member making an application is to be advised of entitlements due to him should the application be approved, and of the sense of Paragraphs 3 to 5 above.

**Alterations to Recognised Relationships**

19. Any alteration to a recognised relationship, which the member is obliged to report in accordance with the undertaking at Paragraph 8 of Annexe A, is to be recorded as appropriate and Navy Office advised.

**Where the De Facto Partner is a Member of Another Service**

20. Where the de facto partner is a member of another service, the Commanding Officer is to advise the Commanding Officer of his/her unit/establishment before recognition of the relationship is approved.

**Date of Recognition**

21. Normally the date of recognition of the relationship will be the date of the member's application. When an application is deferred the date of recognition will normally be the date of approval.

**Members of the WRANS and RANNS**

22. De facto relationships in respect of members of the WRANS and RANNS may be recognised under the terms of this instruction. When an application is approved the members are required to submit an application for retention in accordance with ABR 1077 Article 0411.

**Forwarding of Approved Applications**

23. Copies of approved applications and enclosures are to be forwarded to Navy Office. Copies of birth certificates, adoption papers and other legal documents belonging to the parties are not required but a certificate to the effect that these have been examined and accord with the details shown on the application is to accompany the application to Navy Office.

**New Enlistments and Re-entries**

24. Where a new entrant or re-entrant declares a de facto relationship which he or she wishes to be recognised by the Service, application forms are to be completed in accordance with this order and forwarded to the appropriate Administrative Authority for consideration.

**Relationships Approved Prior to this Instruction**

25. To complete the information required on Service records, members who have had a de facto relationship recognised prior to receipt of this instruction are to submit supplementary application forms. These forms need only cover that information which, by virtue of the Annexes, is additional to that already provided.

26. Commanding Officers are to forward supplementary forms direct to Navy Office.

**ANNEXE A**

**IN CONFIDENCE**

**Form of Application for Recognition of De Facto Relationship**

**(Statutory Declaration)**

**Application for Recognition of De Facto Spouse**

I (name).....(rank).....(number).....  
of (ship/establishment).....(location).....  
in the State of.....(country).....do  
solemnly and sincerely declare that:

1. 'I hereby apply for recognition of (full name of de facto spouse).....  
.....as my de facto spouse and who is referred to in the  
applicable statements given below'.
2. 'The relationship between myself and the abovenamed person is genuine, estab-  
lished in a bona fide domestic basis, and I regard it as permanent'.
3. 'My de facto spouse and myself are/are not related by blood or connected by  
marriage.' (If the parties are related full details are to be given.)
4. Give a statement covering the following, as applicable:
  - a. The period you have lived together with your de facto spouse on a domestic  
basis.
  - b. If you are not living together by reason why this is so.
  - c. Whether you are wholly, partly or not financially supporting your de facto spouse  
and any children for whom you are individually or jointly responsible.
  - d. The names, ages, residential address and relationship to yourself and/or your  
de facto spouse of any children for whom you are individually or jointly  
responsible.
  - e. If your de facto spouse is a serviceman/servicewoman, give rank, service no,  
present service address.
5. Give a statement on your own legal marital situation covering the following, as  
applicable:
  - a. 'I am single/married/a widow/a widower/divorced/legally separated/separated  
by agreement (give full name).....  
of (address).....
  - b. Where separated but divorce proceedings have not been commenced, the  
reason why proceedings have not commenced.
  - c. If applying for divorce what is the present situation?
6. If married, give a statement covering the following matters:
  - a. 'My spouse is/is not living in a married quarter.

ANNEXE A—continued

- b. If your spouse is living in a married quarter what arrangements have been made for:
    - (1) his/her removal from that quarter,
    - (2) alternative non-married quarters accommodation, or
    - (3) disposal of effects and assets located in the married quarter or departmental storage.
  - c. If a previous de facto relationship has been recognised state date of approval and cessation date.
7. 'I am aware that:
- a. on approval of this application I will cease to be identified by the Navy in my previous marital status and, if applicable, that any conditions, entitlements and privileges previously related to my legal spouse and/or children will pass to my de facto spouse and any children for whom I am individually or jointly responsible with my de facto spouse;
  - b. there may be a legal requirement to support my legal spouse and children;
  - c. in the event of my death the status of my de facto spouse in regards to my estate, pension or other entitlements will be determined as a matter of law'.
8. I hereby undertake to inform my Commanding Officer in writing of any change to either my legal marital status or to my de facto relationship.
9. You may if you wish include further information in support of your application, eg, will made in favour of your de facto spouse, assignment of insurance policies, joint ownership of house, joint bank account, etc.

'And I make this solemn declaration by virtue of the Statutory Declaration Act 1959, and subject to the penalties provided by that Act for the making of false statements in Statutory Declarations, conscientiously believing the statements contained in this declaration to be true in every particular.'

(signature) .....

declared at (place).....the.....day of.....19....

BEFORE ME,

(signature) .....

(title) .....

- Notes: 1. A person who wilfully makes a false statement in a statutory declaration under the Statutory Declarations Act 1959 is guilty of an offence against the Act, the punishment for which is a fine not exceeding \$200 or imprisonment for a term not exceeding six months or both if the offence is prosecuted summarily, or imprisonment for a term not exceeding four years if the offence is prosecuted upon indictment.
2. A statutory declaration under the Statutory Declarations Act 1959 may be made only before a Magistrate, a Justice of the Peace, a Commissioner for Affidavits, a Commissioner for Declarations, a Notary Public, a person before whom a statutory declaration may be made under the law of the state in which the declaration is made, or an Australian Consular Officer or an Australian Diplomatic Officer,

ANNEXE B

IN CONFIDENCE

Statutory Declaration by De Facto Spouse in Support of Member's Application

I (full name).....  
of (residential address).....  
in the State of.....(country).....  
do solemnly and sincerely declare that:

- 1. 'I hereby consent to recognition of a de facto relationship between myself and (name).....(rank).....(number)..... who is referred to in the applicable statements given below'.
- 2. The relationship between myself and the above named person is genuine, established on a bona fide domestic basis, and I regard it as permanent.
- 3. My de facto spouse and myself are/are not related by blood or connected by marriage. (If the parties are related full details are to be given.)
- 4. Give a statement of your own legal marital situation covering the following as applicable:
  - a. 'I am single/married/a widow/a widower/divorced/legally separated/or separated by agreement.'  
(give full name).....  
of (address).....
- 5. 'I understand that there may be a requirement for me to inform other authorities of the change in my domestic circumstances and that any such action is my responsibility.'
- 6. If a previous de facto relationship with a Serviceman/Service woman has been recognised give period of relationship and cessation date.
- 7. 'I am aware that in the event of the death of my de facto spouse my status in regards to his or her estate, pension or other entitlements will be determined as a matter of law.'
- 8. 'I am.....years of age. A copy/extract of my Birth Certificate is attached.'
- 9. If you are married to a Serviceman/Service woman give the following as applicable:  
'My spouse (name).....  
(rank).....(number).....  
(ship/unit).....is/is not, to the best of my knowledge, aware of my de facto relationship.'

'And I make this solemn declaration by virtue of the Statutory Declarations Act 1959, and subject to the penalties provided by that Act for the making of false statements in statutory declarations, conscientiously believing the statements contained in this declaration to be true in every particular.'

(signature) .....

DECLARED AT (place).....THE.....  
DAY OF....., 19....

BEFORE ME,

(signature) .....

(title) .....

Notes: 1. A person who wilfully makes a false statement in a statutory declaration under the Statutory Declarations Act 1959 is guilty of an offence against the Act, the punishment for which is a fine not exceeding \$200 or imprisonment for a term not exceeding six months or both if the offence is prosecuted summarily, or imprisonment for a term not exceeding four years if the offence is prosecuted upon indictment.

2. A statutory declaration under the Statutory Declarations Act 1959 may be made only before a Magistrate, a Justice of the Peace, a Commissioner for Affidavits, a Commissioner for Declarations, a Notary Public, a person before whom a statutory declaration is made, or an Australian Consular Officer or an Australian Diplomatic Officer.

(302/1/51)

## UNCLASSIFIED

## 180/75—Ships Sporting Colours

1. The colour and design combinations which are shown in Annexe A to this order are permanently allocated to ships and establishments for the purchase of future sporting uniform requirements, ie, Rugby, Soccer, Australian Rules, Basketball and Hockey.

2. Where any difficulty is found in purchasing the allocated colour/design combination, Navy Office is to be advised in order that a replacement allocation may be made.

3. With these allocations, a ship will in future have its own colour/design for sporting uniforms and the possibilities of costly duplication or confusion on the playing fields will be obviated.

4. The colour of playing shorts (navy blue, black or white) will be left to the discretion of ships. The ships badge may be worn on the left breast or the ships name on the chest, if desired. The colour of playing numbers will be left to the discretion of ships, as appropriate to the uniform colour.

5. Any ship brought forward from reserve or commissioned at a future date is to apply to Navy Office for an allocation.

6. Navy Orders 168/72, 150/73 and 22/74 are hereby cancelled.

## ANNEXE A

<i>HMA Ship/ Establishment</i>	<i>Jumpers</i>	<i>Socks</i>
ALBATROSS ..	Navy blue	Navy blue and white hoops
AUSLANCRONONE	Navy blue with 2 inch red band at wrist and 2 inch red vee. White turn down collar	Red—navy blue tops
BASILISK ..	Royal blue with one broad red and white vee	Royal blue with red and white hoops

## ANNEXE A—continued

<i>HMA Ship/ Establishment</i>	<i>Jumpers</i>	<i>Socks</i>
BASS ..	Royal blue above white (halves)	Royal blue—white tops
BRISBANE ..	Royal blue with one broad red band	Royal blue with red and white hoops
CAIRNS ..	Gold with red trimmings and blue marlin on left breast	Gold and red hoops
CERBERUS ..	Navy blue with 1 inch white hoops 4 inches apart	Navy blue and white hoops
COONAWARRA ..	Royal blue with gold lightning bolt on front	Gold and blue hoops
CRESWELL ..	White	Black—white tops
DERWENT ..	Gold—broad white vee	Gold with white hoops
DIAMANTINA ..	Gold above black (halves)	Gold—black tops
DUCHESS ..	Broad red, white and black vertical stripes	Red, white and black hoops
ENCOUNTER ..	Red with one broad navy blue and gold band	Red with navy blue and gold hoops
FLEET ..	Royal blue with gold hoops	Royal blue with gold hoops
HARMAN ..	Light blue	Light blue—white tops
HOBART ..	Maroon with broad white vee	Maroon and white hoops
HUON ..	Red above green (halves)	Red and green hoops
KIMBLA ..	White with one broad red band	Red and white hoops
KUTTABUL ..	Green	Green and white hoops
LEEWIN ..	Navy blue with one broad white band	Navy blue—white tops
LONSDALE ..	Black and gold vertical stripes	Black and gold hoops
MELBOURNE ..	Red	Red—white tops
MELVILLE ..	Black and gold hoops	Black and gold hoops
MORESBY ..	Gold	Gold—white tops

## ANNEXE A—continued

<i>HMA Ship/ Establishment</i>	<i>Jumpers</i>	<i>Socks</i>
MORETON ..	Maroon with one broad white band	Maroon—white tops
NIRIMBA ..	Navy blue and red hoops	Navy blue and red hoops
ONSLOW ..	Maroon with gold hoops	Maroon and gold hoops
OTWAY ..	Black with broad white vee	Black—white tops
OVENS ..	Green with gold vee	Gold
OXLEY ..	Black with broad red vee	Black—red tops
PALUMA ..	White and one broad royal blue band	White—royal blue tops
PARRAMATTA ..	Light blue with gold hoops	Light blue with gold hoops
PENGUIN ..	Red and white hoops	Red and white hoops
PERTH ..	Gold with black shoulders with a black swan emblem	Narrow bands of black and yellow
PLATYPUS ..	Red and gold quarters	Gold—red tops
STALWART ..	Maroon with gold shoulders, maroon circle on left breast containing gold acorn	Maroon and gold hoops
STUART ..	Navy blue with 1 inch red and white hoops (one each)	Navy blue with red and white hoops
SUPPLY ..	Black with one broad gold band	Black—gold tops
SWAN ..	Gold with black vee	Gold—black tops
TORRENS ..	Royal blue with gold shoulders. Gold magpie on left breast	Royal blue—gold tops
VAMPIRE ..	White above black (halves)	Black—white tops
VENDETTA ..	White with broad red vee	White—red tops
WATERHEN ..	Gold with one broad black band	Gold and black hoops
WATSON ..	Royal blue and white hoops	Royal blue and white hoops
YARRA ..	Black and white vertical stripes	Black—white tops

(138/6/31)

(Navy Orders 168/72, 150/73 and 22/74)

## UNCLASSIFIED

## 181/75—The Ian MacDonald Memorial Prize

1. The Ian MacDonald Memorial Prize was established in 1938 from a gift received from the brothers and sisters of the late Commander Ian Chesborough Rose MacDonald and is intended to be awarded annually to the ASLT GLEX who obtains the highest marks in the Communication Section of the OW courses providing he obtains at least 80 per cent in that subject. The present value of the prize is \$36.20 and this sum is awarded for the purchase of books and/or instruments of a professional character and of practical use to a Naval officer.

2. The prize for 1971 has been awarded to LEUT GLEX G. G. ROGERS, RAN, and for 1972 to LEUT GLEX R. E. SHALDERS, RAN.

3. The conditions for the award of this historic prize are under review and any changes will be promulgated.

(381/1/15)

## Section 3

## OPERATIONAL AND TRAINING

## RESTRICTED

## 182/75—HMAS STALWART—Flight Deck Markings

1. The flight deck markings which delineate the helicopter landing/take-off area of HMAS STALWART have been changed to conform with those used by Allied Navies. The 'Box T' has been replaced with a twenty foot diameter circle and associated fore and aft 'line-up' reference markings.

2. The new markings will enable Sea King, Wessex, Iroquois and Bell 206B-1 helicopters to operate from STALWART's deck throughout a 360° plane with the adequate margin for safety.

## Positioning

3. *Day Operations.* When landing or being spotted for take-off, Sea King and Wessex mainwheels should be placed on the perimeter of the forward hemisphere of the marked circle. Skid fitted helicopters should be placed with skids centrally contained within the circle. Figure 1 shows a Sea King spotted for an athwartships take-off.

4. *Night Operations.* Until STALWART's flight deck lighting is converted to 'white flood', the existing T-bar lighting is to be used for night operations. Helicopters are to be centrally positioned facing forward so that the nose of the aircraft is in line with the cross bar of the 'T'.



5. On conversion to flood lighting the marked circle may be used for night take-offs and landings up to a maximum of 90° either side of the ship's head.

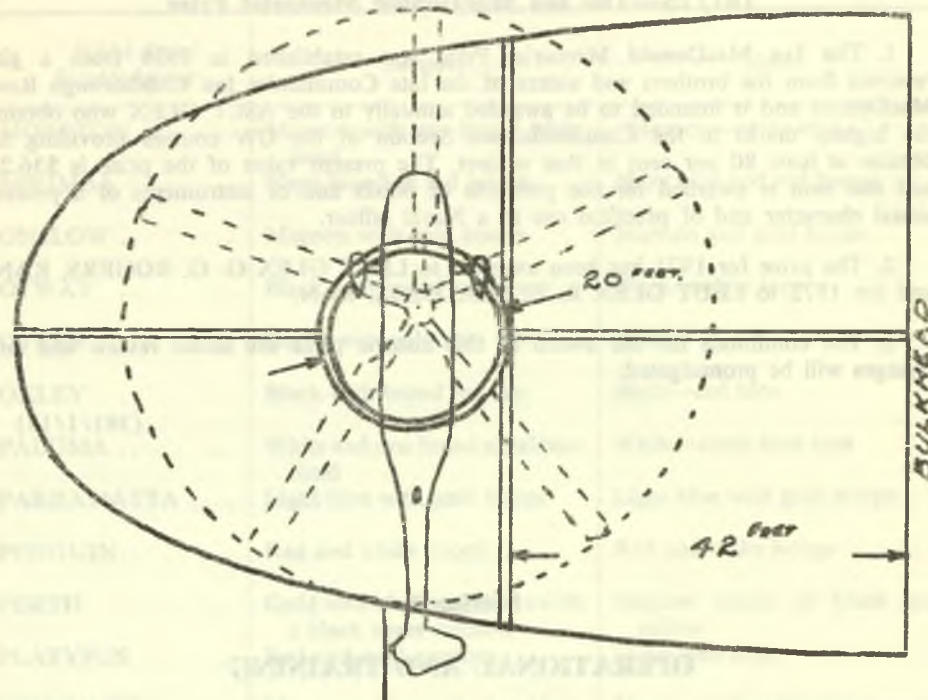


Fig 1

(1313/1/384)

UNCLASSIFIED

### 183/75—RAN Instrument Rating Scheme

1. Bad weather operations require that a pilot be able to fly his aircraft, solely by reference to his instruments, within the limits of the aids available. Instrument flying to fine limits in bad weather is an exacting task which can only be carried out well by efficient and confident pilots. This efficiency and confidence can only be obtained by experience, knowledge, skill and continuous flying practice. The Instrument Rating Scheme is designed to meet these requirements. It also ensures that those pilots who, for any reason, lack of the necessary experience, ability or current practice are only required or permitted to fly in conditions related to their proficiency.

#### Instrument Ratings

2. All pilots will be rated or unrated for instrument flight in a specific aircraft type. Instrument rated pilots will be tested periodically to ensure that their proficiency is up to the required standard and will be required to maintain specified levels of current experience. The appropriate requirements are given in the following paragraphs and apply equally to fixed or rotary wing aircraft, except where otherwise stated.

#### Qualified Rating

3. A Qualified Rating (Q) indicates that a pilot has attained an upper level of skill and maturity, and denotes a current standard of general pilot proficiency and specialist instrument flying skill required for the safe and efficient operation of the specified aircraft type in the following circumstances:

- take-off in any weather conditions (but within cross-wind limits) provided that the pilot is able to make use of external visual reference for keeping straight on the runway in fixed wing aircraft, and to achieve the ground hover in rotary wing aircraft;
- performance, solely by reference to instruments and to the standard specified, of any manoeuvre that is appropriate to the type of aircraft and its operational role; and
- make an instrument approach to the published minima.

#### Experience

4. Squadron Commanding Officers are to ensure that only those pilots with appropriate total and current experience are awarded or retain Qualified Ratings. A Qualified Rating may be awarded to, or retained by, a pilot who has achieved the following:

- Total Experience**
  - 500 hours as first pilot.
  - 100 hours as captain on type.
  - 50 hours instrument flight of which 20 hours must be actual.
- Current Experience**
  - 50 hours or 50 sorties as first pilot on type within the preceding twelve months.
  - Five hours actual/simulated instrument flight on type within preceding three months.
  - Recent approach aid experience in the preceding two months.

#### Recent Approach Aid Experience

5. The various aids may be grouped into two categories:

- Those involving precision approach, ie, CCA, GCA, ILS, TACAN Finals.
- All other approaches.

Two instrument approaches are to be made using aids from each group during the required currency period. Squadron Commanding Officers are to ensure that, over a reasonable period, all aids applicable to type are used.

#### Qualified/Restricted Rating

6. The Qualified/Restricted (QR) Rating conforms to the minimum standard acceptable for flight in controlled airspace in Instrument Meteorological Conditions (IMC). The Qualified/Restricted Rating may be held by pilots who have completed the instrument phase of the approved training or conversion syllabus, but who lack the general or type experience for a Qualified Rating, or by pilots who possess the necessary experience but do not conform to the currency requirements of Paragraph 4b. Appropriate restrictions are to be applied by Squadron Commanding Officers. The QR Rating may be upgraded without retest when the experience requirements of Paragraph 4 are met.

**Unrated**

7. Unrated pilots will be pilots, including student pilots, who have not completed the instrument phase of the appropriate flying training syllabus, and pilots whose ratings have lapsed. Unrated pilots may be authorised to fly in IMC but only when required to progress training on a recognised conversion course or during refamiliarisation. Authorising officers are to ensure that authorisation under these conditions is strictly limited to local flights which are necessary to ensure reasonable continuity of training. The weather conditions applicable to this provision are a minimum cloud base of 1,500 feet and visibility minimum of three miles. Other in-flight weather conditions are to be commensurate with the unrated pilots level of assessed ability and experience.

**Period of Validity**

8. A Qualified Rating is valid for a period of twelve months from the date on which the flight test was successfully completed, provided that the current experience requirements of Paragraph 4b. are met. This current experience must be confirmed in each monthly summary of flying hours in the pilots Flying Log Book. A Qualified Restricted Rating is valid for a period of twelve months but is subject to review by the Squadron Commanding Officer after six months. Pilots are to be retested before an Instrument Rating is renewed.

**Extension of Ratings**

9. Under some circumstances it may not be possible for a pilot to be retested before the expiry date of his rating. In such cases, the Squadron Commanding Officer may extend ratings (and the Commanding Officer may extend IRE Categories) for a maximum of sixty days by Log Book endorsement, provided that he is satisfied as to the pilots proficiency. No further extension is permitted, except in the case of the Senior IRE (Helicopter) whose category may be extended beyond sixty days at the discretion of RAF CFS (Helicopter Wing) or its Australian agent provided such extension is recommended by the Commanding Officer.

**Instrument Rating Tests**

10. A pilot will be required to pass a Flight Test and a Ground Examination before an Instrument Rating is initially awarded, or renewed.

**Flight Test**

11. In the flight test a pilot must demonstrate his ability to fly accurately and safely by reference to instruments, to interpret navigation aids and to complete the associated procedures. Each flight test is to include exercises that demonstrate a pilots ability to perform the undermentioned manoeuvres solely by reference to instruments:

- a. safely transfer to instruments after take-off and before commencing after take-off drills;
- b. climb and climbing turns;
- c. level flight and turns, including turns onto specified headings on full and limited panel, if appropriate;
- d. manoeuvres appropriate to the aircraft operational role;
- e. where applicable:
  - (1) flight on asymmetric power,
  - (2) establishment of autorotation;
- f. recovery from unusual attitudes within the limits of the aircraft;

- g. descent to circuit height, or minimum descent altitude, on limited panel, if appropriate;
- h. approaches to decision height using appropriate aids, and at least one overshoot.

12. No let down on limited panel is to be continued below 600 feet above ground level unless the safety pilot has reference to full panel or is in visual contact with the ground.

**Standards of Accuracy**

13. The standards of accuracy required for the flight test are as follows:

- a. Take-off .. .. Safe in all respects.
- b. Climb .. ..  $\pm 5^\circ$ ,  $\pm 5$  kts,  $\pm 200$  feet for level out.
- c. Climbing turns .. ..  $\pm 5^\circ$  at roll out,  $\pm 5$  kts,  $\pm 200$  feet for level out.
- d. Level turns .. ..  $\pm 5^\circ$  at roll out,  $\pm 200$  feet during turn.
- e. Asymmetric flight/autorotation .. Appropriate action to be taken without delay.
- f. Recovery from unusual attitudes Safe in all respects.
- g. Limited panel .. .. Safe in all respects.
- h. High or low level controlled descent  $\pm 5^\circ$ ,  $\pm 5$  kts,  $\pm 200$  feet.
- i. Precision approach .. ..  $\pm 5^\circ$ ,  $\pm 5$  kts, and height within safe limits at decision height.
- j. Non-precision approach .. ..  $\pm 5^\circ$ ,  $\pm 5$  kts,  $\pm \frac{50}{0}$  feet at minimum descent altitude.

14. These limits are correcting limits and provided the pilot is seen to be taking the necessary correcting action early and smoothly, he is not necessarily penalised for exceeding the limits. Emphasis is to be placed on smooth, accurate and confident control of the aircraft. The standards listed above are to apply equally to rotary and fixed wing flying and to pilots holding Qualified and Qualified/Restricted instrument ratings.

**Limited Panel**

15. Since the primary aircraft instruments have either two sources of power supply, or are duplicated, the likelihood of complete failure may be discounted. Limited panel, therefore, can be defined as the loss of the master reference instrument.

**Ground Examinations**

16. In addition to the flight tests for the award or renewal of a rating, pilots are to pass ground examinations, applicable to the aircraft type and role, in the following subjects:

- a. Aircraft Instruments.
- b. Flight Planning.
- c. Air Traffic Control Procedures.
- d. Meteorology.

These subjects may be included in the NATOPS Evaluation examinations for Skyhawk and Tracker pilots or similar examinations for pilots of other aircraft types.

**Instrument Rating Examiners**

17. Instrument flight tests and ground examinations are to be conducted only by qualified Instrument Rating Examiners (IRE). IREs will be selected from pilots, preferably with a flying instructional background, who have held a current rating on the aircraft type for at least one year, or have a level of experience assessed as adequate by the Squadron Commanding Officer. The initial award of an IRE category is subject to test by CFS and is valid for twelve months from the date of the flying test. Categorisation will be by aircraft type. Annual renewal may be carried out by CFS or the Senior IRE on type. The IRE is responsible to the Squadron Commanding Officer for:

- a. conducting flight tests and ground examinations;
- b. recommending issue/renewal/withdrawal of instrument ratings;
- c. providing remedial instrument flying instruction where necessary;
- d. supervising the introduction of new instrument flight techniques and procedures;
- e. encouraging the interest of pilots in instrument flight, to assist in achieving the highest possible standards.

**Senior IRE**

18. One experienced fixed wing jet IRE is posted to RANAS, Nowra, as Senior IRE (Fixed Wing Jet), one experienced propeller IRE as Senior IRE (Fixed Wing Prop) and one experienced helicopter IRE as Senior IRE (Helicopter). Senior IREs are to be recategorised annually by CFS or the Australian agent for RAF CFS (Helo Wing) as appropriate. Where the Australian RAF CFS (Helo Wing) agent is also the Senior IRE (Helo) recategorisation is to be carried out by RAF CFS (Helo Wing) unless an extension has been granted in accordance with Paragraph 9. They are responsible to the Chief Flying Instructor for:

- a. the administration of the instrument rating scheme for their respective aircraft types;
- b. the standardisation of Squadron IREs;
- c. supervision of instrument rating ground examination standards;
- d. standardisation and control of instrument flight tests;
- e. maintaining a record of all instrument ratings issued, renewed, expired or withdrawn;
- f. ensuring that IRE categories are current;
- g. maintaining liaison, through the Chief Flying Instructor, with the RAAF Central Flying School;
- h. in addition to g. above, the Senior IRE Helicopter is to maintain liaison with RAF CFS (Helicopter Wing) and RAAF Fairbairn through the Australian agent for the RAF CFS (Helicopter Wing) and the SNO RAAF Fairbairn respectively.

19. Authority for the initial award and subsequent renewals of instrument ratings and IRE categories is restricted to:

- a. instrument ratings—Squadron Commanding Officer; and
- b. IRE and Senior IRE categories—Commanding Officer.

20. RAN pilots, serving with forces other than the RAN, will conform to the requirements of the service to which they are attached. Similarly, other Service pilots, attached to the RAN, will conform to RAN requirements for renewal of a rating or recategorisation as an IRE.

21. Instrument ratings and IRE recategorisations are to be cancelled on expiry (subject to Paragraph 9) or at any time that there is evidence of ineligibility or incompetence.

22. On completion of the flight test and ground examination the following procedures are to be observed:

- a. *Instrument Rating*

- (1) Section 3 of the Pilots Flying Log Book is to be suitably endorsed, and
- (2) the IRE is to raise two copies of the Form OA110 Instrument Flying Grading Application and Test Report for submission to the Squadron CO for approval, one copy for retention by the squadron and the other by the Senior IRE on type.

- b. *IRE Award*

- (1) Section 3 of the Pilots Flying Log Book is to be suitably endorsed, and
- (2) the IRE is to raise three copies of the Form OA110 Instrument Flying Grading Application and Test Report for submission to the Commanding Officer for approval, one copy to be retained by the squadron, one by the CFI and one copy to be forwarded to CFS.

- c. Instrument Rating Cards are not required.

23. CFS is the central advisory body regarding instrument flying standards and techniques. To ensure that RAN standards are at least up to ICAO requirements, specific flight test standards of accuracy, and test contents, are to be submitted to CFS, through the Administrative Authority. Accuracy standards and test contents are to be not less than those stated in Paragraphs 11-14 of this order. Any subsequent amendments are also to be submitted to CFS. CFS will advise whether the required standards are being met.

24. The minimum operating conditions for the various aids at RAN Air Station, Nowra, and other airfields, are contained in the RAAF Flight Information Publication (FLIP), TERMINAL, Instrument Approach Procedures. These minima apply to both Qualified and Qualified/Restricted instrument rated pilots except that, in the case of the Qualified/Restricted pilot, operation to these minima will be dependent upon the nature of the restrictions imposed upon him by the Squadron Commanding Officer.

25. Rated pilots may be permitted to take-off with lower minima than those described in FLIP, provided that weather conditions at the intended time of landing are forecast to be at or above the minima for the landing aid to be used and that they comply with the rules set out in FLIP—Planning Part 2 for the nomination of alternative airfields.

26. The minimum operating conditions for aircraft carriers and ships operating helicopters are to be included in Ships Air Orders.

27. This order supersedes RIs 6124, 6125, 6248, 6249 and 6250. RIs 6124 and 6125 will be amended to reflect the responsibilities of the Instrument Rating Examiners and Senior Instrument Rating Examiners as contained in this order.

28. Navy Order 195/72 is hereby cancelled.

(1605/1/73)

(Navy Order 195/72)

## Section 4

## EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

## 184/75—Boilers—Sighting and Purging—Change to BR 3000

1. Investigations into boiler furnace explosions indicate that the instructions contained in BR 3000, Articles 1216 and 1218A, are not sufficiently explicit in defining the requirement to sight and purge a boiler furnace with air before lighting up or when re-lighting after a complete flame-out, irrespective of its cause.

2. A change to BR 3000 will therefore be issued which will include the following revised Article 1216:

**1216. Fire and Explosion Hazards:** Requirements for sighting and purging boilers.

1. There is a serious risk of an explosion if a source of ignition is introduced into a boiler furnace with fuel or fuel vapour already present there or in the gas passages. Furnaces and gas passages are therefore to be purged with air after the furnace floor has been sighted and proved clear of fuel as far as arrangements permit. This routine is to be followed on all occasions of lighting up, re-lighting after a flame-out, or shutting down a boiler. A "flame-out" is defined as an intentional or unintentional total extinguishing of the flame in a boiler furnace.

2. Distillate fuels can be absorbed by the furnace brickworks, and the absence of visible fuel does not in itself guarantee a safe atmosphere in the furnace. It is essential, therefore, that the routine followed ensures that:

- a. fuel is shut off all the burners;
- b. purging the furnace with air is started immediately and is continuous, while the furnace floor is being sighted;
- c. the furnace is purged for at least five minutes after the floor has been sighted clear of fuels;
- d. if the boiler is to be reflashed, there is a continuous flow of air through the furnace and gas passages from the time of completion of the purging period to the time when ignition is supplied, and this interval is to be limited to the time required for the air flow to be reduced from purging level to that required for reflashing.

Detailed instructions are contained in the relevant operating handbooks for each class of ship.

3. In fixed-wing aircraft carriers fitted with Admiralty 3-drum boilers and burning FFO the requirements for purging the furnace may be waived after a flame-out in a hot steaming boiler if operational circumstances require it, provided that the furnace floor has been sighted free of fuel before the burners are re-lit.

4. With distillate fuels such as Dieso and Avcat the margin for operator error or equipment malfunction is somewhat reduced compared to FFO firing. The lower viscosity of distillate fuels also increases the risk of leakage from pipe joints, pump and valve glands, burner shut-off valves, etc. which, if not checked, can create a fire or explosion hazard.

5. Where fitted, electrical torch igniters are to be used for initial lighting up. The igniter is to be removed from the register after a flame has been established, and placed in a suitable stowage, to prevent any attempt to relight the boiler immediately after a flame-out before first purging the furnace. The torch igniters are to be fitted, tested, maintained and operated in strict accordance with the instructions in BR 3109.

6. Where the approved method of lighting-up is other than by torch igniter, the Marine Engineer Officer is to ensure that full precautions are taken to avoid fire, especially if the boiler room is very hot. Drip trays and surfaces in the vicinity are to be completely oil-free, and the oily rag is to be introduced into the furnace on the end of a poker.

3. Holders of BR 3000 are advised to use this Navy Order to amend their copies until the change is received. Article 1218A should be deleted.

4. Navy Order 172/72 is hereby cancelled.

(400/1/2316)

(Navy Order 172/72)

UNCLASSIFIED

## 185/75—HMA Ships Steam Plant—Lubrication of Sliding Feet

1. XG 274 grease has been replaced by a high temperature silicon grease for the purpose of lubricating boiler sliding feet. This high temperature silicon grease is manufactured to USA Specification MIL-L-15719A Amendment 3.

2. The grease has the following identification:

Class	Catalogue No	Description	Unit of Issue	Acctg Classn
9150	00-257-5358	GREASE, SILICONE INSULATED, ELECTRIC MOTOR	EA	C

and is supplied in 8 ounce packs by Dow Corning under Part Number DC44.

3. When commencing to use this lubricant, greasing lines are first to be cleaned and proved free before charging with 9150-00-257-5358 GREASE. After initial charging the grease is to be used in accordance with existing planned maintenance routines.

4. The use of this grease is to be restricted to the lubrication of boiler sliding feet and other steam plant sliding feet for metal temperatures up to 440° F, and is not to be used for any other purpose unless Navy Office approval is first sought.

5. Navy Order 230/72 is hereby cancelled.

(9150/1/5)

(Navy Order 230/72)

RESTRICTED

186/75

28

UNCLASSIFIED

186/75—Main Boilers—Weirs Robot Feed Regulators

1. To prevent the occurrence of an accident when overhauling a Weirs Robot Feed Regulator, the ships concerned—HMAS MELBOURNE and HMAS SUPPLY—are to ensure that the following precautions, in addition to those laid down in BR 3000 Article 0612, are observed before opening:

'The emergency hand by-pass control valve and the float chamber drain valve are to be left in the open position. The Feed Regulator Float is to be moved through its full travel, several times to ensure that there is no water or steam trapped under the main valve or in the balance chamber, before any attempt is made to loosen the valve cover.'

2. Navy Order 231/72 is hereby cancelled.

(2010/1/11)

(Navy Order 231/72)

UNCLASSIFIED

187/75—Victualling Allowances and Fixed Issuing Prices for Provisions as from 1 April 1975

1. The price list for fresh fruit and vegetables which has operated since 1 January 1975, has been amended from 1 April 1975.

2. The revised price lists have been distributed to all HMA ships and establishments.

3. Consequent upon the revision of these prices, the following rates of Victualling Allowance will apply as from 1 April 1975:

	<i>Ashore</i>	<i>Afloat</i>
	\$	\$
Messes of 50 or less victualled from a separate galley ..	1.11	1.14
All other messes of 300 or less messed separately ..	1.09	1.12
Messes of more than 300 .. .. .	1.07	1.10
Additional for ships and submarines deployed with ANZUK Force	—	0.04
Supplementary allowance for 'Modified Cafeteria' messing in HMAS DIAMANTINA	—	0.01
HMAS COONAWARRA .. .. .	1.13	—
Cadet Midshipmen at RANC .. .. .	} 1.19	*
Junior Recruits at Training Establishments .. .. .		
Apprentices at RANATE .. .. .		
Naval Reserve Cadets attending Camps and Courses .. .. .		

Note: \*The allowance of \$1.19 per day for Cadet Midshipmen, Junior Recruits, Apprentices and Naval Reserve Cadets, is increased to \$1.22 per day when victualled on board ships undergoing training and when messed separately.

4. Navy Order 349/74 is hereby cancelled.

(901/66/22)

(Navy Order 349/74)

Navy Orders 134/72 to 164/72 are now over three years old and may be disposed of accordingly.



# AUSTRALIAN NAVY ORDER

Navy Office, Canberra,  
30 June 1975.

The enclosed order is promulgated for information, guidance and necessary action.

By direction of the Naval Board,

A handwritten signature in cursive script, appearing to read 'J. Green'.

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY



# NAVY ORDERS

Additional copies of Navy Orders may be readily obtained by:

- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- b. writing to 'Secretary, Department of Defence (Navy Office). Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 4718.

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1. The Australian Navy Order Book is published annually and contains the following information:

- (a) The Australian Navy Order Book is published annually and contains the following information:
- (b) The Australian Navy Order Book is published annually and contains the following information:
- (c) The Australian Navy Order Book is published annually and contains the following information:
- (d) The Australian Navy Order Book is published annually and contains the following information:

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## Section 3

## OPERATIONAL AND TRAINING

## 188/75—Patrol Areas Around the Australian Coast

1. The Australian coast has been divided into eighteen patrol areas named 'A' to 'T', less 'I' and 'O'.
2. Each lettered area has been divided into two or three numerically designated sub-areas.
3. In the Great Barrier Reef area the channel through the reef at the appropriate patrol area boundary has been included.
4. The seaward limit of the patrol area has not been determined. The seaward limit can be defined at a later date when the limits of Australian jurisdiction are agreed.
5. Offshore islands, reefs, cays, etc., are included in the appropriate patrol area. In Bass Strait the limit of state sovereignty over included islands is 39° 12' South latitude. Islands to the North of this parallel are included in patrol areas F1 and F2. Islands to the South are included in patrol area G1.
6. The boundaries of the patrol areas are as indicated in Annexe A and as follows:

Area	Sub-Area	Boundary
A	..	.. Booby Island—Cape Grafton
	A-1	.. Booby Island—Cape Melville (N. Broken Passage)
	A-2	.. Cape Melville—Cape Grafton (Grafton Passage)
B	..	.. Cape Grafton—Townshend Island
	B-1	.. Cape Grafton—Cape Upstart (Flinders Passage)
	B-2	.. Cape Upstart—Townshend Island (Capricorn Channel)
C	..	.. Townshend Island—Tweed Heads
	C-1	.. Townshend Island—Sandy Cape
	C-2	.. Sandy Cape—Tweed Heads
D	..	.. Tweed Heads—Newcastle
	D-1	.. Tweed Heads—Nambucca Heads
	D-2	.. Nambucca Heads—Newcastle
E	..	.. Newcastle—Cape Howe
	E-1	.. Newcastle—Point Perpendicular
	E-2	.. Point Perpendicular—Cape Howe
F	..	.. Cape Howe—S.A./Vic. Border
	F-1	.. Cape Howe—Phillip Island
	F-2	.. Phillip Island—S.A./Vic. Border
G	..	.. Tasmania
	G-1	.. Hunter Island—Swan Island
	G-2	.. Swan Island—South East Cape
	G-3	.. South East Cape—Hunter Island







RESTRICTED

ANOs 189/75-195/75



HISTORIAN  
VICTORIA  
BARRACKS  
MELBOURNE

# AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,  
10 July 1975.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

RESTRICTED

Additional copies of Navy Orders may be readily obtained by:

- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 4718.

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<b>SECTION 4—EQUIPMENT, STORES AND SERVICING</b>	
190/75	Disclosures of Information on Tenders for Supplies and Services.
191/75	Liferafts—Supply of 6135-66-045-3419 BATTERIES.
<b>SECTION 5—BOOKS, CORRESPONDENCE, FORMS AND STATIONERY</b>	
192/75	Information Concerning and Distribution of Publications and Amendments Managed by Executive Officer Publications, Sydney. April, 1975.
193/75	Redesign of Form SA234—Gummed Labels for Stores Identification.
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194/75	Access to Compartments.
195/75	Battery-Operated Wall Clocks in Ships and Establishments.

## Section 1

## ADMINISTRATIVE AND GENERAL

## UNCLASSIFIED

**189/75—Defence Forces Chartered Aircraft for the Relief and Maintenance of Australian Forces in Singapore and Malaysia**

1. Aircraft chartered from Qantas Airways Ltd, continue to operate to South East Asia but because of the reduction in the number of Service personnel in the Singapore area most flights are between Sydney and Butterworth with a maintenance stop in Kuala Lumpur.
2. The charter flight schedule can be altered to include a landing in Singapore provided:
  - a. there are sufficient numbers wishing to disembark there;
  - b. a minimum of five weeks notice of the requirement is given to the Director of Movements and Transport, Navy (DMOVT-N).
3. Generally, there are three flights per two months. The dates of flights vary considerably and information concerning schedules should be sought from DMOVT-N.
4. The aircraft which depart and return to Kingsford-Smith Airport (Mascot, N.S.W.) are operated on a commercial basis and are available for the carriage of servicemen, dependants (including children and infants) Foreign Aid trainees and cargo (for official purposes only) for the Defence Forces.
5. The aircraft is configured to carry twenty First Class and one hundred and seventeen Economy Class passengers. Defence Forces personnel and families are normally carried in their entitled accommodation. However, the Services have agreed that when all First Class seats are filled, over-flow First Class-entitled passengers may be accommodated in Economy Class seating.
6. The allocation of seats is based on inter-service requirements. In cases where personnel are posted for service in South East Asia and travel by Defence Forces Charter is appropriate, bookings will be made by Navy Office with RAAF Movement Co-ordination Centre, RAAF Base, Richmond NSW (signal address—MOVCORDC).
7. In other cases, eg, visits, inspections, etc, by personnel not serving in Navy Office requests to travel are to be forwarded to Department of Defence (Navy Office) to arrive five weeks before the required move. A copy of the written application is also to be forwarded to the Director of Movements and Transport, Navy, Department of Defence (Navy Office), Victoria Barracks, Melbourne VIC 3004. Signalled applications are to contain the SIG-HAS. All applications are to contain:
  - a. full details of prospective passengers;
  - b. reason for journey; and
  - c. proposed dates of travel.
8. The RAAF Movement Control Staff, Sydney (signal address—MCO Syd), is responsible for the 'calling forwarded' of all passengers in liaison with the Command Movements Officer, Sydney. These 'call forward' instructions will be issued by the RAAF Movement Control Staff, Sydney, by signal to the RAN ship or establishment in which the passenger is

serving. The 'call forward' signals will give the time that personnel and dependants are required to report with their baggage to the RAAF Movement Control Representative at Qantas Counter, International Terminal Building, Kingsford-Smith Airport, Mascot; the documents required, dress required, baggage allowance and baggage instructions will also be indicated in these signals. The instructions are to be complied with by all concerned and any necessary reply or acknowledgement to MCO, Sydney, is to be dispatched as soon as possible and not delayed until date of travel. Arrangements for ground transport to and from airports are a Naval responsibility.

9. Arrangements are to be made for interstate and NSW country personnel to arrive in Sydney not later than the day prior to travel. Non-Service accommodation may be arranged for married accompanied personnel; single and unaccompanied personnel are to be accommodated in HMAS PENGUIN. The ship or establishment from which personnel are posted is responsible for making these arrangements and for requesting transport to the airport. All signals dealing with pre-flight accommodation and travel details to Sydney are to include FOCEA and DEFNAV Canberra as information addressees. In addition personnel are to be instructed to contact the Command Movements Officer, Sydney (Telephone: Sydney 211 0031) approximately twenty-four hours before aircraft departure time to confirm actual flight times.

10. Action is to be taken to ensure that Naval personnel and dependants emplaning in Australia comply with the vaccination and immunisation requirements laid down in Navy Order 261/74 and that they are in possession of up-to-date International Certificates of Vaccination. Passports are also required. An Outgoing Passenger Card is to be completed for each passenger regardless of age. All these documents are to be produced prior to boarding and should be carried personally. An air ticket and boarding pass will be issued by the RAAF Movement Control Staff, Sydney, at Mascot on the day of travel. Personnel are to be prepared to board the aircraft from thirty minutes prior to departure time.

11. The appropriate meals or light refreshments are served on the aircraft.

12. Hand baggage not exceeding 4.5 kg in weight for each passenger may be carried in the aircraft cabin. In addition each passenger is allowed 41 kg of baggage to be carried in the hold of the aircraft. All baggage is to be labelled with name, flight number and destination city. The total amount of 45 kg of baggage includes any allowance that may have been previously allowed as excess baggage over the normal commercial airline entitlement; excess baggage warrants are not to be issued and under no circumstances will baggage in excess of the total of 45 kg be permitted in the charter aircraft.

13. Personnel travelling by charter aircraft are to wear civilian clothes at all times including departure and arrival.

14. Weapons and ammunition are not to be carried on charter aircraft without the prior approval of Department of Defence (Air Office). Naval personnel and dependants returning to Australia are to comply with all Regulations of the Departments of Labor and Immigration, Health and Police and Customs, especially those relating to the import of contraband, offensive weapons and other declared articles. Full customs clearance will be given at terminal air fields.

15. Arrangements for southbound journeys will be made by the Headquarters RAAF Butterworth, Detachment B (RAAF Movement Control Section, Paya Leba, Singapore): Signal Address ASMOVSIN.

16. Navy Order 191/72 is hereby cancelled.

(1313/1/1074)

(Navy Orders 191/72 and 261/74)

## Section 4

### EQUIPMENT, STORES AND SERVICING

#### RESTRICTED

#### 190/75—Disclosures of Information on Tenders for Supplies and Services

1. Both Department of Manufacturing Industry and the Australian Government Stores and Tender Board have on occasions expressed concern at unauthorised disclosure of information in regard to Australian Government tenders and contracts.

2. It is appreciated that tender offers must on occasions be discussed by personnel concerned with the respective tenderer. It is also appreciated that approaches will be made to officers about the outcome of tenders or the nature and progress of departmental recommendations. On all such occasions no indication is to be given as to the likely success of an offer or as to the number or details of other offers. Outside inquiries seeking to ascertain who is dealing with tenders at a particular time should be answered in general terms to the effect that the tenders are being processed in accordance with normal procedures.

3. Officers who have access to stores circulars are reminded that these circulars contain trade and commercial information supplied to Australian Government Departments on the understanding that such information is not made available to unsuccessful tenderers or any other member of the public. Inquiries by members of the public for information contained therein should be referred to the office of the Australian Government Stores and Tender Board.

4. Correspondence and documents dealing with the foregoing matters should be stamped COMMERCIAL-IN-CONFIDENCE.

5. Navy Order 303/72 is hereby cancelled.

(400/201/366)

(Navy Order 303/72)

#### UNCLASSIFIED

#### 191/75—Liferafts—Supply of 6135-66-045-3419 BATTERIES

1. It has been found that, on occasions, 6135-66-045-3419 BATTERIES, for use in torches in liferafts, have been provided by contractors carrying out the repair or servicing of the liferafts. These batteries have evidently been procured direct from the retail trade, and except for the year of manufacture, it is not possible to determine the age of the batteries.

2. To ensure that batteries supplied for liferafts are of very recent manufacture, contractors repairing or servicing liferafts are to be informed as follows:

- a. 6135-66-045-3419 BATTERIES are to be obtained only from the Superintending Electrical Stores Officer, Sydney, (Depot Code 0094);
- b. quantities requested must be sufficient for, and fitted only in, those liferafts being repaired or serviced under that particular contract;
- c. orders should be placed as early as practicable, quoting the delivery date required; and
- d. orders must clearly state that the batteries are for use in liferafts.

3. The Superintending Electrical Stores Officer is to ensure that the batteries as supplied to contractors have been manufactured within the previous two months.

4. The above information will be included in ABR 1977.

(1/6135/20)

## Section 5

## BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

## UNCLASSIFIED

## 192/75—Information Concerning and Distribution of Publications and Amendments Managed by Executive Officer Publications, Sydney. April, 1975

1. The annexes list publications and amendments distributed, declared obsolete, superseded, etc, during April 1975.

2. Allowances for ships and establishments, as distinct from gratuitous and repayment issues, will be issued without demand by the Publications Authority, Garden Island, NSW, in accordance with an approved scale and automatic updating *is* provided.

3. Holders of basic publications are reminded that only those issues recorded on NAVPUB will be updated without demand (Navy Order 158/74 refers).

4. Changes issued to publications held as advance copies or to publications not on general distribution are not reflected in Navy Orders.

## Gratuitous Issues

5. Where it has been decided that a gratuitous or personal issue of a publication will be made, a Navy Order will be promulgated detailing the basis of issue and the personnel concerned, and instructing ships and establishments to obtain their requirements, for this purpose, through their Supply Officer.

6. Supply Officers should place demands on the Publications Authority, Garden Island, NSW for the total number of copies required in their respective ships or establishments on Form SO150 (Navy Order 236/74 refers), stating the reason for the requirement and quoting the relevant Navy Order. The publications are to be accounted for by the Supply Officer in accordance with ABR4, Articles 1301 and 2512.

7. Automatic updating is not provided for copies of publications on gratuitous issue and demands for updating should be placed on the Publications Authority, Garden Island, NSW upon notification of its availability in Navy Orders. Form SX40 should be used for demanding changes and the form should clearly state 'Required for amending Personal Issue Copies'.

## Repayment Issues

8. If it has been approved that a publication should be made available from Departmental stocks, for sale to certain categories of personnel, a Navy Order will be promulgated detailing the basis of issue and the rate to be charged to personnel concerned.

9. Supply Officers should place demands on the Publications Authority, Garden Island, NSW for the copies required, on Form SO150 quoting the reason for requirement and the relevant Navy Order. The publications are to be accounted for by the Supply Officer in accordance with ABR4, Chapters 13 and 25.

10. Automatic updating is not provided for copies of publications issued on repayment, and demands for updating should be placed on the Publications Authority, Garden Island, NSW upon notification of its availability. Again Form SX40 should be used for demanding these changes and the form should clearly state 'Required for amending Repayment Issue Copies'.

11. Issues etc, of periodicals and magazines are not included in monthly Navy Orders.

## ANNEXE A

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Pub. No.	Title	Ed.
AAP7000-002-1B1	.. Technical Data: Index to Technical AAPs and Associated	
7000-002-2B2	.. Technical Data: Index to Technical AAPs and Associated	
7211-015-1CL	.. HS748 Aircrew Checklist	
7414.019-3M	.. Aircraft Storage Batteries	
7531.103-3M	.. Mechanical Counter Pointer Altimeter Op. Maint.	
7832.035-3M	.. VHF/DF Antennae Repair Manual .. .. .	74
ABR5207	.. Drill and Commercial Procedures for the A/S Mortar System—Mk10 (AN)	
AP106D-4201-1	.. Aircraft Coupling Unit Mk24 1½"	
108T-0600-5FN	.. Servicing Sewing Machines	
116B-0901-3AN	.. IPC for Sarbe Search and Rescue Beacon Equipt ..	72
APL61399555	.. C-6554A/UCC-1C(U) .. .. .	61
61527010	.. Key Circuit Symbol APL CAGU-65B Signal Generator	62
61610040	.. APL CAQI-400H Vacuum Tube Voltmeter .. .. .	61
61620312	.. CARI-606B Pre-811 .. .. .	69
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61628001	.. APL Key Circuit Symbol Interim Pts. List CAQI-809B-SER-1-UP Probe Carriage	65
61877384	.. Key Circuit Symbol Interim PL CBVT-SA-84 Wide Dispersion Spectrum Analyser-273 CBVV-RT-108	66
62745100	.. CV 70/ULR	
62264016	.. CV-19209 (P)UCC-1C(v)1 .. .. .	72
62264017	.. CV-19209A(P)UCC-1C(v)2 .. .. .	72
62264020	.. CV-19209A(P)UCC-1C(v)5	
62264021	.. CV-19209A(P)UCC-1C(v)6	
62264022	.. CV-19209A(P)UCC-1C(v)7	
62264023	.. CV-19209A(P)UCC-1C(v)8	
62264024	.. CV-19209A(P)UCC-1C(v)9	
62264025	.. CV-19209A(P)UCC-1C(v)10	
62264026	.. CV-19209A(P)UCC-1C(v)11	
62264027	.. CV-19209A(P)UCC-1C(v)12	
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62978805	.. CY-1275/ULR .. .. .	63
62982110	.. CY-4639A/VCC-1C(V) .. .. .	69
69171500	.. KWF-1-T Sec .. .. .	66
71192101	.. Technical Manual KWF-1-T Sec—Ser 250 CIUP .. .. .	71
72740600	.. APL LS-306-SIC Loudspeaker .. .. .	65
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88485704	.. APL for Radio Transmitter T827 D/URT	

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300-1-4-2	Sea King Mk50 Structures and General Systems	
300-1-5	Sea King Mk50 Electrical	
300-1-6	Sea King Mk50 Flight Control	
300-1-7	Sea King Mk50 Pyrotechnics and Armament	
300-1-9.1	Sea King Mk50 Aircraft Servicing Diagrams	
300-1-9.2	Sea King Mk50 Aircraft Servicing Diagrams	
300-1-9.3	Sea King Mk50 Aircraft Servicing Diagrams	
300-2-1	Sea King Mk50 Modifications	
300-3-1	Sea King Mk50 Illustrated Pts Breakdown	
300-3-2	Sea King Mk50 Illustrated Pts Breakdown	
300-3-3	Sea King Mk50 Illustrated Pts Breakdown (Fuselage)	
300-3-4	Sea King Mk50 Illustrated Pts Breakdown (Gen. Systems)	
300-3-5	Sea King Mk50 Illustrated Pts Breakdown (Engine Systems, Transmission, Avionics)	
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-40AVD-3	A-4G Structural Repair Manual	
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-85SD75-16-1	Stores Reliability Card	
NA03-25GAC-4	Disc Brakes	68
-30CY-626	Actuator Horizontal Stabilizer O'vhl Instrs. (Douglas)	75
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NS0981-052-8190	Construction Repair and Maintenance of Magnetic Mine-sweeping Cable	
OD40526	Preservation Handling and Shipping	68
OP3000V1	Weapon System Fundamentals Vol. 1	71
4V1	Ammunition Afloat Vol. 1	58
4V2	Ammunition Afloat Vol. 2	72
546	Calibre 45 Line Throwing Gun Mk.1, Mod. 1 and Associated Equipmt. Descptn. Insts. for use and Maintenance	55
TB43-0001-2-4	Technical Bulletin in Rotary Wing Aircraft	74
TEM-3405-0002	'PARKINSON' Power Hacksaw Capacity 6" x 6" Pt. Bk.	
TO5P5-3-1-53	Autosyn Transmitters Types 7500 and 7502 Overhaul Instructions	
5P5-3-1-54	Autosyn Transmitters Types 7500 and 7502 Overhaul Spares Pts. Schedule	



## ANNEXE B

## Publications Declared Obsolete

Pub. No.	Title	Remarks
NA00-130AS-4 ..	A-4C, A-4E, A/C Air-to-Surface APP JNT Munitions Effectiveness MNL	Obsolete

## ANNEXE C

## Publications not Currently Available for Supply

Pub. No.	Title	Ed.
BR1057 ..	H/Bk for 40mm Guns in Naval Service, Mk's 4, 9, 10, 11 and N1 Series.	53
BR2801(4) ..	H/Bk for Precision Depth Recorder Type 778 PT6B: Preparation for acceptance.	72

## BR2752(2)-(10)—Series Sonar Type 170 Series Handbooks

Series BR2752(2)-(10) supersedes BR2123 and BR2125 series handbooks for Sonar Type 170 series equipment.

BR2752 will now be issued without demand to approved holders as a replacement for BR2123 and BR2125 series handbooks.

Separate instructions to Ships and Maintenance Authorities have been advised *vide* Special Deputy (Navy) letter N5845/5/49 DFM of 11 April 1975.

## ANNEXE D

## Amendments Issued to Recorded Holders of Publications

Pub. No.	Amdt/Change
AAP-ABO-SE .. .. .	E55
SF .. .. .	E45
SH .. .. .	H14
SN .. .. .	N3/75
ST .. .. .	T39
AAP-7000-002-1B1 .. .. .	SCPO25/74, SCPO1/75, 2/75, 3/75
-7002-020-1 .. .. .	1, 2
-7113-004-3-1 .. .. .	33
-7198-001-100 .. .. .	9
-7303-002-3 .. .. .	19
-7435-001-3 .. .. .	5, 6
-7435-024-3 .. .. .	3, 4
-7531-103-3M .. .. .	1
-7532-028-3M .. .. .	5
999-106 .. .. .	9
ABR10 .. .. .	4
2020 .. .. .	3
5102 .. .. .	3
5180 .. .. .	3
APRAN100V1P8 .. .. .	46
100V1P17 .. .. .	24, 25
100V2P3 .. .. .	57

## ANNEXE D—continued

Pub. No.	Amdt/Change
APRAN100V2P6 .. .. .	45
100V2P7 .. .. .	120
100V2P8 .. .. .	98, 95
100V2P10 .. .. .	77-81
19V2B1B2I2 .. .. .	110
300-1-5 .. .. .	13
300-2-1 .. .. .	SB84-87, SB88-1, SB91-1
300-3-1 .. .. .	1, 2
300-6-1 .. .. .	6, 7
300-8-1 .. .. .	9
500V2P1 .. .. .	241, 242, 250, 251, 254, 255
500V2P2P3 .. .. .	90
502V5P1P2P3 .. .. .	63, 64, 65
600V5 .. .. .	88
63V2 .. .. .	30, 32
8BV5P1P2P3 .. .. .	79, 80, 81
8BV5P1S2I2 .. .. .	2
8 Crew Notes .. .. .	AIL22
8V1B1 .. .. .	AIL48, 194, 195, 196, 197, 198, 199, 200, 201
8V2B1B2B3 .. .. .	AIL303, 81
8V6P1 .. .. .	52, 53, 54
8V6P2 .. .. .	86, 87
9ABV2 .. .. .	AIL56, 57
9BV3P1 .. .. .	18
9BV6P2A34A .. .. .	96
AP100Z-0201 .. .. .	CL12/74
101C-0401-4A3 .. .. .	AIL1/75, 26
102C-0708-1 .. .. .	20
106C-0303-1 .. .. .	2
108C-0001-2(R) .. .. .	E33 AL1
108E-0001-5FN .. .. .	6
108E-0101-12 .. .. .	10
108F-0203-5FN .. .. .	RAN002
108G-0203-1 .. .. .	4
110B-1005-125 .. .. .	4
110F-0101-15NQ .. .. .	8
110F-0101-125 .. .. .	9
110G-0116-125F .. .. .	RAN001
110G-0304-125F .. .. .	2
110G-0315-125F .. .. .	5, RAN001
110G-0402-125F .. .. .	11
110N-0309-1 .. .. .	2
110N-0404-1 .. .. .	1
112G-0102-1 .. .. .	25
112T-0119-1 .. .. .	1
113B1E12 .. .. .	46
113B2E12 .. .. .	40
113B4E12 .. .. .	75, 76, 77, 78, 79
113D-1831-1 .. .. .	1
113L-0113-13A .. .. .	3
116B-0209-3AN .. .. .	1

ANNEXE D—continued

Pub. No.	Amdt/Change
AP116D-0102-2	145, 146
1803PV1	179
PV2P2	29
PV2P3	29
4515EV3P1	28
4837AAV2	26
BR1	ADDM010, SUPP003
4	32
31	CH020
45(4)	8
47	4
67	4
96	24, AIL1/75, AIL2/75, AIL3/75, CH25
125	N/ENT001,002,003,005,006, SUP003,005,006
184(3)	21, 22
214(3)	AMD020
215	10, 11, 12, 13
217(3)B	11
217(3)F	13, 14
219	17, 18
320D Electrical	GC0629
320D General	GC0246, 0443, 0451, 0471
320D Weapons	GC0862
320E	SUP.AUG.74
320FV3	SUP.AUG.74
674	CH007
875	10
1043B	7
1203(2)	6
1644(2B)	4, 5, 6, 7, 8
1665	8
1692	CH022
1705(4)	3
1705(5A)	1
1705(5B)	1
1705(5C)	6
1705(8)	5
1787	7
1857(3)	28
1921	7
1928	AMD17
1992	16
2065(3)	4, 5
2129(4)	4
2135(1)B1	39, CORR1/73
2139(3)B	AMD14
2139(3)C	10
2139(3)D(A)	10
2139(3)D(B)	12, 13, 14, 15
2139(3)G	15
2221(1)A	16, 17

ANNEXE D—continued

Pub. No.	Amdt/Change
BR2221(1)B	16, 17, 18
2221(2)	17
2236	10, 11, 12
2381(3)	1, 2
2394	7, 8
2422(1)	AMD15
2500(4)	STI/1
2506(3)	3
2516	3
2519(4)(ABC)	8
2523(1)B	5
2523(5)	CH005
2549(1)	3
2552(1)(2)	6
2752(4)	AMD004
2752(6)	AMD003
2752(8)	1, 2
2768(19)	8
2803	AMD002
2817	AMD001
2931(5)	4
2967(1)	13
3000	RANCH006
3002(3)	23
3019	5
3119	17
3321	12
3363	AL003
4200(2)	3
4567(507)	1
4579	1
6503(502)	1
CAT H/Bk66-H6-1	SECT.A
DOD4140-17MSUP1	ERRATA
4140-17M-SUP2	4, 5
ELIST-E1112	5
GWESMO1120/3	4
MBR8868	CORR3/75
10568	Page 008A
10696	76
MISCPUB0032	TL034
NAVSOP1000V5	28
NAVSUP485	1
487	14
NA00-35QB-185	2
-35QG-016	1
NA01-40AV-75	3
-40AV75-2	1
-40AV75-3	1
-40AV75-4	1
-40AV75-6	2

## ANNEXE D—continued

Pub. No.	Amdt/Change
NA01-40AV75-8 .. ..	1
-40AV75-12 .. ..	1
-40AV75-14 .. ..	1
-40AV75-17 .. ..	1
-40AV75-19 .. ..	1
-40AV75-20 .. ..	1
-40AV75-24 .. ..	1
-40AVC-1 .. ..	740401
-40AVC-1B .. ..	740401
-40AVC-2-2 .. ..	720401
-40AVC-2-2-2 .. ..	RAN013, 730601
-40AVC-4-4 .. ..	RAN007
-40AVC-6 .. ..	RAC015
-40AVD-1 .. ..	741115
-40AVD-2-4-1 .. ..	RAN008
-85-SAD-4-2 .. ..	RAN012
-85-SD-75 .. ..	1
NA02A-35GN-502 .. ..	730915
-35GN-503 .. ..	RAN008, RAN007
NA03-25B-22 .. ..	741101
-25EA-509 .. ..	RAN004
-25EE-20 .. ..	RAC002
-30CL-146 .. ..	RAN001
-5FBA-2 .. ..	1
NA05-20HH-32 .. ..	7
-20QG-7 .. ..	1
-30-95 .. ..	3, 4
NA11-75A-49 .. ..	RAC002
-75A-57 .. ..	3
-85-1 .. ..	RAC003
-85-5 .. ..	RAC001, RAC002
NA16-30APN141-1 .. ..	RAN004
-30APN141-3 .. ..	1
-30APX6-52 .. ..	RAN003
-30APX64-3 .. ..	RAN002
-30APX64-4 .. ..	6
-30ARC51-1 .. ..	740815
-30ARC51-2 .. ..	740815
-30ARC51-3 .. ..	740815
NA17-15FB-42 .. ..	RAN003
NS0967-125-6010 .. ..	ICH010
NZBR23V1 .. ..	75
OD30473 .. ..	1
OP3389 IPB .. ..	6
3417 .. ..	6
3421 .. ..	6
3433V1P/S .. ..	6
3455 .. ..	4
TSD594 .. ..	TL181, TL182, TL183
UW54/E2471 SERIES .. ..	MIN/AMDT 45, 77, 94

(465/61/228)

(Navy Orders 158/74 and 236/74)

## UNCLASSIFIED

## 193/75—Redesign of Form SA234—Gummed Labels for Stores Identification

1. Form SA234, formerly titled 'Gummed Label for Naval Stowage Boxes (Consumable)', has been redesigned and is now titled 'Gummed Label for Stores Identification'.

2. This form is to be used for item identification purposes in storerooms in HMA ships and establishments when stores are stored in cartons, etc.

3. Form SA234 is now to be used for all stores accounting classifications, eg, Permanent, Consumable, Non-Accountable, etc. Forms SA233 and SA235 are now superseded, however, they are to be demanded until stocks are exhausted.

4. Demands for Forms SA234 may be placed on the Superintending Victualling Store Officer, Sydney (Unit Identification Code 0086).

5. ABR 4 will be amended accordingly.

(N7530/31/22)

AMENDMENTS

UNCLASSIFIED

194/75—Access to Compartments

Navy Order 162/75 is to be amended as follows:

Paragraph 2 (a):

Delete: locked

Insert: blocked

(1900/1/22)

(Navy Order 162/75)

UNCLASSIFIED

195/75—Battery-Operated Wall Clocks in Ships and Establishments

Navy Order 35/75 is to be amended as follows:

Paragraph 1, line 3:

Delete: Defence Stock No. 6645-66-056-0452

Insert: Defence Stock No. 6645-66-048-0822

Paragraph 3, Line 1:

Delete: Defence Stock No. 6645-66-048-0822

Insert: Defence Stock No. 6645-66-056-0452

(2/6645/36)

(Navy Order 35/75)

SECRET

RESTRICTED

RESTRICTED

1947-Access to Comptroller

1947-Access to Comptroller

1947-Access to Comptroller

1947-Access to Comptroller

1947-Access to Comptroller

(S)

1947-Access to Comptroller

RESTRICTED

1947-Access to Comptroller

1947-Access to Comptroller

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1947-Access to Comptroller

(S)

1947-Access to Comptroller

HISTORIAN  
VICTORIA BARRACKS  
MELB

ANO 196/75



# AUSTRALIAN NAVY ORDER

Navy Office, Canberra,  
11 July 1975.

The enclosed order is promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

ALBERTA  
125 10 14M

Additional copies of Navy Orders may be readily obtained by:

- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 4718.

ADMINISTRATIVE AND GENERAL

DECLASSIFIED

1. The purpose of this Order is to provide a framework for the implementation of the SAILSTRUC system in the RAN. It is intended to be used as a guide for the development of the system and to ensure that the system is implemented in a consistent and controlled manner.

2. The system will be implemented in a phased manner over a period of 12 months. The first phase will be the implementation of the system in the RAN's command and control systems. The second phase will be the implementation of the system in the RAN's support systems. The third phase will be the implementation of the system in the RAN's training systems.

3. The system will be implemented in accordance with the following requirements:

- (a) The system will be implemented in a consistent and controlled manner.
- (b) The system will be implemented in a phased manner over a period of 12 months.
- (c) The system will be implemented in accordance with the following requirements:

**CONTENTS**

<i>No</i>	<i>Title</i>
<b>SECTION 1—ADMINISTRATIVE AND GENERAL</b>	
196/75	Directives Issued as the Result of the Introduction of SAILSTRUC into the RAN.
	1. Introduction
	2. Objectives
	3. Scope
	4. Definitions
	5. Responsibilities
	6. Implementation
	7. Reporting
	8. Review
	9. Approval
	10. Final

## Section 1

## ADMINISTRATIVE AND GENERAL

## UNCLASSIFIED

**196/75—Directives Issued as the Result of the Introduction of SAILSTRUC into the RAN**

1. In the process of implementing SAILSTRUC recommendations, considerable use has been made of the General Message system to advise authorities of new regulations and procedures relating to those recommendations. The self destruction mechanism inherent in the General Message system has resulted in regulations so promulgated being cancelled before they had been incorporated into the appropriate parent document.

2. This order covers those orders issued by means of the General Message System up to the end of 1974 that are still relevant. They have been divided into four areas:

**Annexe A:** Titles and Badges,

**Annexe B:** Branch Technical Test; Certificate of Competence; Branch Certificate for Promotion; Command Tests and Task Books,

**Annexe C:** Pay and Personnel,

**Annexe D:** Training; promotion; rank and skill,

and are attached to this order.

## ANNEXE A

## Titles and Badges

**Air Technical Weapons Category Sailors—Specialisation**

*(Covered in General Message 251F/DEC74)*

1. a. In order to provide the maximum level of expertise and safety in the handling and maintenance of Air Weapons the Naval Board have directed that the ATW Category consist of two specialisations:
  - (1) *Air Technical Weapons Ordnance (ATWO)*: Responsible for Air Weapons, Weapons Equipment and associated Electrical Systems, Pyrotechnics, Escape Systems and Weapons Support Equipment;
  - (2) *Air Technical Weapons Electrical (ATWL)*: Responsible for Power Generation and Distribution, Instruments, Flight Control Systems and Electrical Support and Test Equipment.
- b. The current basic ATW Trade Training will remain common and specialisation training will be achieved by Equipment Application Courses (EACS). Specialist identification will be by the addition of the letters 'O' or 'L', as appropriate, to the present category badge.
- c. As from 1 February 1975 all RATSTRUC ATW sailors were given a title change to reflect their basic specialisation,
  - (1) Ex Weapons Sailors become ATWO;
  - (2) Ex Air Weapons Sailors become ATWL.
- d. From 20 January 1975 recruits are to nominate their choice of specialisation at an appropriate time during their initial course and accordance of choice will be to meet service requirements.



## ANNEXE A—continued

- e. Pending availability of badges indicating the 'O' and 'L' specialisations, all ATW sailors should continue to wear the category badge indicating 'W' or 'AW' as appropriate.
- f. Formal job standards and course training standards relevant to the new specialisations have been raised.
- g. Because promotion courses for RATSTRUC ATWO sailors will not include the electrical trade training of the SAILSTRUC ATWO their employment will exclude those elements of the ATWO responsibilities (Paragraph a. (1)) which are dependent on Electrical training. This will be taken into account when publications are amended.
- h. It is stressed that the pay position, prospects of promotion and employment of the RATSTRUC W and AW trained sailors will in no way be affected by the introduction of these specialisations.

## ANNEXE B

**BTT/Certificate of Competence/Branch Certificate for Promotion  
Command Tests/Task Books**

1. Cancellation of the term Certificate of Competence for RATSTRUC Technical Sailors. (Covered by General Message 264F/DEC73).
  - a. The term Certificate of Competence for RATSTRUC Technical sailors lapsed on 1 May 1974. From that date the category professional pre-requisites for those sailors who were not required to qualify for promotion by courses became the specific certificate required by the various categories, ie, the certificate required to indicate a sailor's suitability for the next higher rank. The award of these certificates qualifies a sailor professionally for promotion and supersedes the previous Certificate of Competence and/or Part 3 of the Command Test as appropriate.
  - b. The general title for these certifications is the Branch Certificate for Promotion.
  - c. ABR 27 Vol 2 will be amended to include the following: Branch Certificate for Promotion—RATSTRUC sailors of all categories.
    - (1) where no qualifying course exists for promotion to higher rank a Branch Certificate may be required;
    - (2) the Branch Certificate will be obtained by test, the object of which is to determine the ability, of the sailor to satisfy the technical and administrative requirements of the higher rank;
    - (3) the examining authority, the method and type of test and the standards and levels of knowledge and skill are detailed in the relevant branch chapters.
  - d. The action required to amend the relevant chapters of ABR 27 Vol 2 will be completed as early as practicable.
  - e. It is to be noted that RATSTRUC trained sailors who qualify professionally for promotion by course are exempt from the requirement to complete part 3 of the Command Test (Category Test). The Command Test part 3 (Category Test) is not a requirement for RATSTRUC trained sailors where a Branch Certificate is necessary for promotion to the higher rank.

## ANNEXE B—continued

2. The effect of the Introduction of the Branch Certificate for Promotion of RATSTRUC trained sailors of the Marine Engineering and Weapons Electronic Engineering Branches. (Covered by General Message 265F/DEC73).

- a. As the testing of technical knowledge is essential in order to maintain the present high standards required for the promotion of RATSTRUC trained sailors within these branches, a Branch Certificate for Promotion will accordingly be a requirement for promotion to the following rank:
  - Chief Petty Officer, Grade 3 and 3\*  
(Ex-Mechanic—all categories);
  - Chief Petty Officer, Grade 3  
(Ex-Artificer Mechanician and Shipwright, 1st Class);
  - Petty Officer, Grade 3  
(Ex-Artificer Mechanician and Shipwright, 2nd Class);
  - Leading Seaman  
(Ex-Mechanic—all categories).
- b. The Branch Certificate for Promotion to the rank of Petty Officer Grade 3 (ex-Artificer, Mechanician and Shipwright 2nd Class) and Leading Seaman (ex-Mechanic—all categories) is to be awarded by a Branch Technical Officer of the sailor's specialisation of Lieutenant's rank or above.
- c. The Branch Certificate for Promotion to Chief Petty Officer Grade 3 and 3\* is awarded by a Technical Board. The Technical Boards are to be convened by the Administrative Authorities in May and November of each year. Boards will comprise at least three Technical Officers. The president is to be a Commander or Lieutenant Commander, and the remaining two officers, of which one may be a Warrant Officer, are to be of the candidate's category.
- d. The Technical Board is an oral examination. The Board is to be guided by the syllabus and standards of knowledge as laid down in ABR 27 Vol 2 amended to meet requirements for Branch Certificates for Promotion. In the case of Weapons Electronic Engineering sailors, particular care is to be taken to test them in their specialist areas.
- e. Applications for the Technical Boards are to be made to the Administrative Authority on Form PE102 and accompanied by Form PH14. Applications for Charge Certificate Boards are to be made in a similar manner.
- f. The following EDP qualification numbers are to be used when reporting the award of a Branch Certificate for Promotion:

<i>Branch Certificates for Promotion</i>	<i>Qualification Number</i>
Chief Petty Officer Grade 3 and 3* .. .. . (ex-Mechanic—all categories)	03460
Chief Petty Officer Grade 3 .. .. . (ex-Artificer Mechanician and Shipwright 1st Class)	03470
Petty Officer Grade 3 .. .. . (ex-Artificer, Mechanician and Shipwright 2nd Class)	03480
Leading Seaman .. .. . (ex-Mechanic—all categories)	03490

## ANNEXE B—continued

- g. The Branch Certificate for Promotion supersedes the Certificate of Competence. Sailors who have acquired the Certificate of Competence are deemed to have met the requirement for the Branch Certificate for Promotion.
- h. These rules also apply to the SAILSTRUC trained sailors of these branches for promotion to Leading Seaman and Petty Officer.
3. The effect of the Introduction of the Branch Certificate for Promotion of RATSTRUC trained sailors of the Air Engineering Branch. (Covered by General Message 266F/DEC73).
- a. To ensure that the current high technical standard is maintained for the promotion of RATSTRUC trained sailors within all categories of this branch, a Branch Certificate for Promotion will be a requirement for promotion to Chief Petty Officer Grade 3 and advancement to Chief Petty Officer Grade 4 including Chief Petty Officer Safety Equipment.
- b. It is also a requirement for promotion to Leading Seaman Safety Equipment.
- c. The Branch Certificate for Promotion introduced from 1 May 1974 for all RATSTRUC Air Technical sailors is to be endorsed by OIC RANAMEB consequent on passing an examination.
- d. The Branch Certificate for Promotion supersedes the Certificate of Competence. Sailors who have acquired the Certificate of Competence are deemed to have met the requirement for the Branch Certificate for Promotion.
- e. When reporting the award of the Branch Certificate for Promotion the EDP Qualification numbers listed in Paragraph 2 f. of this Annexe are to be used as appropriate.
- f. These rules also apply to the SAILSTRUC trained sailors of this branch for promotion to Leading Seaman and Petty Officer.
4. Eligibility for the Branch Certificate for Promotion. (Covered by General Message 218F/NOV74).
- a. Technical sailors are eligible to sit for the Branch Certificate for Promotion on gaining the following seniority:
- (1) *RATSTRUC*
- |                               |    |    |           |
|-------------------------------|----|----|-----------|
| Able Rank (GS)                | .. | .. | 6 months  |
| Leading Rank (GS)             | .. | .. | 12 months |
| Leading Rank (ex-APP)         | .. | .. | 6 months  |
| Petty Officer (GS and ex-APP) | .. | .. | 12 months |
- (2) *SAILSTRUC*
- |                |    |    |           |
|----------------|----|----|-----------|
| Able Seaman    | .. | .. | 6 months  |
| Leading Seaman | .. | .. | 12 months |
| Petty Officer  | .. | .. | 12 months |
- b. ABR 27 Vol 2 is being amended as applicable.
5. Eligibility to sit for Command Tests. (Covered by General Messages 068F/APR74 and 140F/AUG74).
- a. The acting rank was abolished on 1 January 1974 (*See Annexe D*) and as a result of this certain seniority in the lower rank was required before a sailor was considered eligible to sit for the Command Test for Promotion.

## ANNEXE B—continued

- b. All RATSTRUC sailors are eligible to sit for Command Tests on gaining the following seniority in the ranks listed: (Paragraph 1 e. of this Annexe refers to those portions of the Command Test required to be met)
- |                |    |    |           |
|----------------|----|----|-----------|
| Able Seaman    | .. | .. | 6 months  |
| Leading Seaman | .. | .. | 12 months |
| Petty Officer  | .. | .. | 12 months |
- except for ex-NIRIMBA apprentices who require six months in the rank of Leading Seaman before being eligible to sit for the Command Test for Petty Officer.
- c. Wrans are to have at least six months seniority in the Able, Leading and Petty Officer ranks before being eligible to sit for Command Tests.
- d. SAILSTRUC Technical sailors of both Apprentice and General Service Entries are eligible to sit for Command Tests on gaining the following seniority:
- |                |    |    |           |
|----------------|----|----|-----------|
| Able Seaman    | .. | .. | 6 months  |
| Leading Seaman | .. | .. | 12 months |
| Petty Officer  | .. | .. | 12 months |
- e. The Command Test for SAILSTRUC technical sailors is to consist of Parts 1 and 2 only, Part 3 being adequately covered by:
- (1) Completion of Task Book and
- (2) Branch Certificate for Promotion.
- f. Promotion will be subject to normal branch requirements plus the attainment of the skill level of Grade 2 for Leading Seaman and Grade 3 for Petty Officers.
6. Qualifications achieved by SAILSTRUC Marine Technical Sailors. (Covered by General Message 236F/DEC74).
- a. Attention is drawn to section 1 of MT category Task Books. The following qualifications are to be separately reported on Form PA6 as they are awarded:
- |       |   |
|-------|---|
| 33000 | Completion of Grade 1 General Entry Task Book           |
| 33030 | Completion of Part 1 Apprentice Task Book               |
| 33040 | Completion of Part 2 Apprentice Task Book               |
| 13000 | Auxiliary Machinery Watchkeeping Certificate            |
| 13520 | Auxiliary Machinery Watchkeeping Certificate (Diesel)   |
| 13040 | Throttle Watchkeeping Certificate                       |
| 13120 | Machinery Watchkeeping Certificate (Diesel Restricted). |
- b. EDP No 33030 (Part 1 Apprentice Task Book) cannot be awarded prior to EDP No 13000 (AWC) or 13520 (AWCD).

## ANNEXE C

## Personnel

1. Initial Training Pre-SAILSTRUC sailors/The use of Prefix 'S' with SAILSTRUC personal numbers. (Covered by General Messages 088F/JUL72, 045F/MAR72, 047F/MAR72, 091F/MAY73, and 150F/MAR74).
- a. The personal number prefix letter 'S' is given to a sailor in order to identify him with the SAILSTRUC training and promotion scheme, which in the technical and medical categories differs considerably from the RATSTRUC Scheme.

## ANNEXE C—continued

- b. The prefix letter 'S' therefore applied to sailors' personal numbers as follows:
- (1) to all apprentices who joined after 1 July 1972;
  - (2) all Adult Recruits, who joined after 1 July 1972, when selecting a technical category, or on reallocation into a technical category in training establishments subsequent to that date;
  - (3) Junior Recruit, on allocation to a technical category after 1 July 1972;
  - (4) all technical category sailors who joined prior to 1 July 1972 when exercising their option to join the SAILSTRUC Scheme;
  - (5) all Adult and Junior Recruits who joined after 1 January 1974 when selecting the medical category;
  - (6) RATSTRUC LSDEN and ABDEN on successful completion of the conversion course for Able Seaman Dental Mechanic (Course No 911810).
- c. The technical sailors who joined prior to 1 July 1972 but underwent a SAILSTRUC Phase 1 Course as initial category training will still retain their 'R' prefix number until such time as they exercise their option to join the SAILSTRUC Scheme. In order that the sailor can become eligible for selection for the next promotion course (either Phase II SAILSTRUC training or follow the present RATSTRUC promotion rules) ie, exercise his option, the Phase I Task Book, which is an extension of the Phase I Course, must be completed.
- d. Sailors holding an 'S' prefix who are transferred to a non-technical branch are to be re-designated 'R'.
- e. Personal number prefix letter changes are to be reported on general report Form PA2. Under the headings 'Effective Date' and 'Detail Column' insert date of change and the redesignated prefix letter ('S' or 'R') respectively.

## ANNEXE D

## Training/Promotion/Rank/Skill

1. The Abolition of the Acting Rank. (Covered in General Messages 206F/OCT73 and 010F/JAN74).
- a. As from 1 January 1974 all promotions, except those in Paragraph b., will be to the confirmed rank and all sailors and Wrens with acting rank on that date were retitled in the confirmed rank.
  - b. Those RATSTRUC sailors who were promoted to acting rank and allowed a period of time to gain full watchkeeping qualifications for that rank will be promoted to provisional rank for that period. These sailors are:
    - (1) POMTP                      Ex POME/POMED
    - (2) POMTP                      Ex A2MTP/MECH2MTP
    - (3) All Direct Entry Tradesmen.
  - c. Provisional is removed on gaining branch/watchkeeping requirements.
  - d. Providing that it is not due to the exigencies of the Service, failure of the sailors referred to in Paragraphs b. (1) and (2) to complete certificate in twelve months will result in reversion, whilst Direct Entry Tradesmen, at the rank of Petty Officer, will be subject to a report on the advisability of their retention if certificates are not gained in eighteen months.

## ANNEXE D—continued

- e. The regulations regarding reversion are in accordance with the present rules contained in ABR10 Article 0403, ie, in all cases where reversion in the confirmed rank is involved, the authority of a Flag Officer or the Naval Board is required. Reversion otherwise may be authorised by the Commanding Officer, if the rank of Lieutenant Commander or above, or by an Administrative Authority when the Commanding Officer is below the rank of Lieutenant Commander.
  - f. Hence sailors are subject to four possible processes of reversion:
    - (1) by elimination list;
    - (2) with the approval of the Naval Board or a Flag Officer;
    - (3) in the case of a sailor holding provisional rank, by his Commanding Officer; and
    - (4) automatically if qualifications required in a particular sailor's branch are not gained in the maximum time allowed.
2. Promotion due date for Able Rank. (Covered in General Message 059F/MAR74).
- a. The Service qualification is one year productive service plus period spent in undertaking category course from commencement to successful completion.
  - b. Productive service includes all service in rank of Seaman\*/Seaman except time for which pay is not allowed and time in medical category C.
  - c. For each attempt at category course commencing after 1 January 1974 the period of that attempt in days is to be included on Form PE5 in column headed 'period' of the time lost/gained area. Pending reprint of the form, this column is to be amended to read 'Length of Course' and is to be used only for category courses.
  - d. On receipt of a 'Pass' result the due date for promotion to Able Rank will be promulgated on Form PH14 calculated on basis of twelve months from the date of promotion to Seaman\* plus period(s) on category course(s). Because of present limitations non-productive service *vide* Paragraph b. cannot be taken into account. However this due date is valid for action provided that:
    - (1) the time forfeited area (PH14) is blank,
    - (2) the last run date (PH14) is either blank or prior to the date of Seaman\*, and
    - (3) it is known that no unproductive service has occurred since the issue date of PH14 currently held.
  - e. When non-productive service is involved notification of the promotion due date will be communicated by Navy Office letter.
  - f. The promotion due date of Seamen retitled from AB2 on 1 January 1974 will be determined in Navy Office and promulgated on PH14 in due course. As non-productive service will again be excluded, the criteria in Paragraph d. and e. above will apply.
  - g. If reports for category courses commenced prior to 1 January 1974, are still outstanding, time gained/lost is not included in PE5 but is to be reported to Navy Office by letter.

(77/1/14)

Section 100

The first part of the document is a letterhead containing the name and address of the sender, followed by the recipient's name and address. The letter is dated and includes a salutation.

The main body of the letter contains the primary message or information being conveyed. It is written in a formal, professional tone and includes several paragraphs of text.

The second part of the document is a separate section, possibly a continuation of the letter or a related document. It begins with a heading and contains several paragraphs of text.

The third part of the document is another section, likely a continuation of the previous one. It contains several paragraphs of text and appears to be a formal report or document.

The fourth part of the document is a section that appears to be a list or a series of numbered items. It contains several paragraphs of text, each starting with a number.

The fifth part of the document is a section that appears to be a list or a series of numbered items. It contains several paragraphs of text, each starting with a number.

The final part of the document is a section that appears to be a list or a series of numbered items. It contains several paragraphs of text, each starting with a number.

ANO 197/75



# AUSTRALIAN NAVY ORDER

CONTENTS  
Navy Office, Canberra,  
24 July 1975.

The enclosed order is promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

NAVY OFFICE  
CANBERRA

Additional copies of Navy Orders may be readily obtained by:

- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 4718.

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**197/75 FENZY Inflatable Buoyancy Vests for Divers.**

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197/75-401-102	FENZY AND SUPPLYING
197/75-401-103	FENZY AND SUPPLYING
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197/75-401-117	FENZY AND SUPPLYING
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197/75-401-195	FENZY AND SUPPLYING
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197/75-401-197	FENZY AND SUPPLYING
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197/75-401-199	FENZY AND SUPPLYING
197/75-401-200	FENZY AND SUPPLYING

## Section 4

## EQUIPMENT, STORES AND SERVICING

## UNCLASSIFIED

## 197/75—FENZY Inflatable Buoyancy Vests for Divers

1. The Fenzy 70, Buoyancy Compensator Inflatable (Military Model Mk3) has been introduced for use by Clearance and SAR Divers. The compensator is a safety measure and is an ultimate replacement for the underwater swimmer suit.

2. The use of the compensator is mandatory when Clearance Diving Breathing Apparatus Pattern 9608 or SAR Diving Equipment are worn. It is also to be worn by Clearance Divers under the following circumstances:

- a. *Surface Supply Breathing Apparatus* Depth in excess of forty metres
- b. *Compressed Air Breathing Apparatus* Free swimming and in excess of twenty metres for marked swimming where the marker float used will not support the weight of the diver.

3. As the compensator provides positive buoyancy to the diver's maximum operating depth, the use of the underwater swimmer suit is not now compulsory for depths in excess of twenty six metres (ABR155 Article 0518.4(a)).

4. The Equipment consists of:

4240-66-081-9202	..	BUOYANCY COMPENSATOR INFLATABLE
4220-66-084-8727	..	GAS BOTTLE ASSEMBLY COMPLETE WITH VALVE
5330-66-083-6615	..	PACKING, PREFORMED
5330-66-083-6616	..	PACKING, PREFORMED
5330-66-083-6617	..	PACKING, PREFORMED
4730-66-083-6618	..	CLAMP HOSE (TWO OF)
4720-66-083-6619	..	HOSE AIR BREATHING
4820-66-083-6620	..	VALVE REGULATING PRESSURE
4820-66-083-6621	..	DIAPHRAGM ASSEMBLY
4220-66-083-6622	..	REPAIR KIT DIVING EQUIPMENT
9150-66-083-6623	..	GREASE INSTRUMENT

The total weight of the equipment is approximately 4.18 lbs/1.9 kg.

5. Description of components:

- a. *Compensator Vest*. The vest is constructed from a rubberised fabric; it is coloured a 'bright rescue' orange. Vest volume, which is 29.92 pints/17 litres, produces 26 lbs/115.7 N positive buoyancy when fully inflated.

(1) *Vest Attachments*

*Front* (a) Corrugated breathing tube, connected right upper part of the vest. Mouthpiece and purge valve is situated at the free end, the free end clips to a rubber stud at the lower right vest extremity.

(b) Whistle, secured to the breathing tube.

(c) Drain plug, lower centre.

*Rear* (a) Cylinder sleeve.

(b) Non-return flow valve, right lower.

(c) Automatic relief valve, left lower.

*Extremities* Waist and Crotch adjustable securing straps and rings.

b. *Cylinder and Accessories*

- (1) *Cylinder.* The cylinder is constructed of steel and is 11.5 inches/29 cms in length and 3.9 inches/6.1 cms in diameter. Details of cylinder and capacities as follows:

Test Pressure .. .. .	4500 psi	31215 KPA
Working Pressure .. .. .	3000 psi	20670 KPA
Weight .. .. .	3.1 lbs	1410 grammes
Nominal Capacity .. .. .	.6972 pints	.3962 litres
Charges capacity .. .. .	2.8 cu ft	79.24 litres

- (2) *Valve Body.* A taper threaded valve body is secured into the neck of the cylinder. The valve body is sealed with a compound and teflon tape. Recessed into the valve body is an orifice which accepts the high pressure relief valve.
- (3) *HP Relief Valve.* The relief valve is manually operated, its function is to release HP air from the valve body assisting the disassembly from charging arrangements, it consists of:
- valve spindle
  - valve spring
  - sur clip
  - (2) O-rings
- (4) *Yoke Assembly.* The yoke attachment is incorporated in the valve body. The attachment is secured to the body by the yoke nut. A handwheel which recessed into the attachment is provided for the securing of charging arrangements.
- (5) *Valve.* The valve consists of:
- handwheel securing nut
  - high impact plastic handwheel
  - handwheel
  - valve spindle with recessed groove
  - gland nut
- (6) *Valve Seat Assembly.* The valve seat assembly consists of:
- an externally threaded case with a raised tongue in the upper surface; and
  - nylon insert fitted in the valve base.

6. *Assembly*

- Connect compensator cylinder to charging cylinder by yoke attachment;
- open compensator cylinder valve;
- open charging cylinder valve;
- when gas equalisation has occurred close compensator valve;
- close charging cylinder valve;
- operate pressure relief valve;
- remove compensator cylinder;
- check compensator cylinder for leaks in water.

- Place compensator in rear vest sleeve and connect to non-return flow valve using yoke attachment. Ensure 'O' ring is in position;
- connect corrugated breathing tube to its mounting and clip free end to the stowage stud;
- depress purge valve spring, check valve return;
- check drain plug is securely home;
- inspect relief valve;
- inspect securing straps, toggles and retaining rings.

7. *Before Use Test*

- Open cylinder valve and partially inflate the vest; close cylinder valve and test vest in water.
- Accept mouthpiece, depress purge button allowing gas to vent from the vest to the mouth and to atmosphere via the nostrils.

8. *Dressing*

In all instances of diving, the Compensator is to be donned prior to diving equipments. The vest is placed over the head and rests on the shoulders. Waist and crotch straps are secured, crotch strap should not restrict freedom of movement. It is necessary when breathing equipments are in position that chest and waist straps are secured beneath the vest to allow for maximum collar inflation. Weight belts are to be secured outside the compensator crotch strap.

9. *Pre-Dive Checks*

On all occasions of entering the water the vest is to be checked for leaks. After the check is complete, the vest is vented by holding the mouthpiece above the head and depressing the purge button.

10. *Operation*

- (1) *Surface Buoyancy.* Open the compensator cylinder valve and inflate vest as required, or, orally inflate by depressing the purge button and breathing into the mouthpiece.
- (2) *Neutral Buoyancy.* Inflate the vest as necessary to obtain neutral buoyancy for depth.
- (3) *Controlled Ascent.* Inflate the vest, when ascent commences close cylinder valve. To retard ascent, raise the mouthpiece above the head and depress the purge button.
- (4) *Emergency Ascent.* Open the cylinder valve fully, the vest will inflate rapidly, ascent rate will be approximately 1-1½ metres per second.

- If the unit is required as a breathing apparatus, accept the mouthpiece and depress purge button to inhale. Exhalation is through the nose or side of mouth.

11. The wearing of the Buoyancy compensator does not affect procedures for carrying out emergency surfacing drills.

**Instructions for the maintenance of the Compensator**12. *After Use Routine*

- Remove cylinder, recharge.
- Remove drainplug, flush out vest and corrugated breathing tube with fresh water; inspect sealing washer.



- c. Dry vest and French Chalk, do not fold the vest or stow when wet.
- d. Apply MS 33 lubricant to metal parts.
- e. Stow cylinder separate from vest.
- f. Inspect cylinder valve connection 'O' ring.

13. *Weekly Routine*

- a. Strip the Diaphragm Assembly, inspect the diaphragm, replace if defective.
- b. Inspect the cylinder valve connection 'O' ring.
- c. Inspect drain plug and sealing washer.

14. *Six Monthly Routine*

- a. Renew the Diaphragm Assembly diaphragm.
- b. Renew the cylinder valve connection 'O' ring.
- c. Remove the hand wheel and lubricate spindle threads.

15. *Biennial Routine*

Return cylinder to SNSO for visual inspection.

16. *Five Yearly Routine*

Return cylinder to SNSO for internal inspection.

17. Repair Kits will be issued.



Figure 1.



Figure 2.



Figure 3.

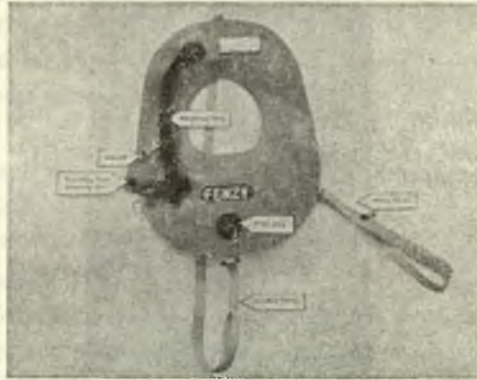


Figure 4.

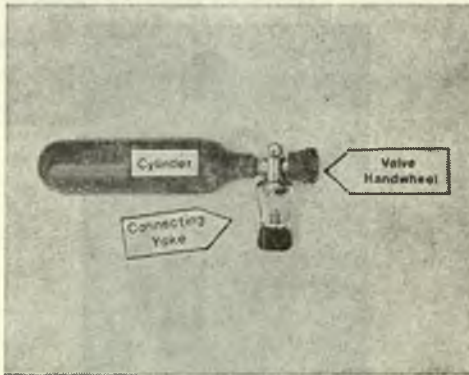


Figure 5.

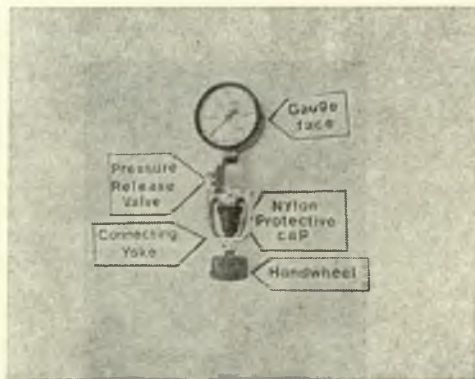


Figure 6.

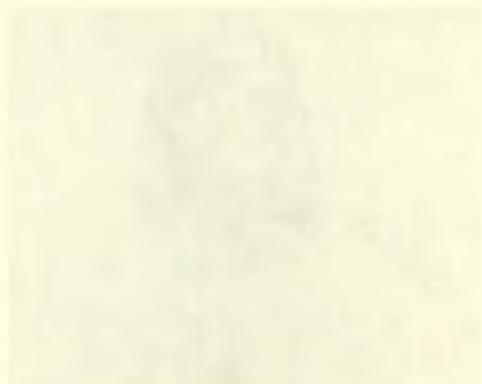


Figure 4



Figure 5



Figure 6

Historian  
Victoria Barracks  
Melbourne

ANOs 198/75-199/75



# AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,

28 July 1975

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned*

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CONTENTS

No Title

SECTION 3 - OPERATIONAL AND TRAINING

- 198/75 Officers Course Program 1975
- 199/75 Sailors Course Program 1975

198/75 Officers Course Program 1975

1. The revised program for officers courses in 1975 is detailed at Annexe A of this order, and contains all amendments known at 4 June 1975. All courses completing prior to 30 June 1975 have been deleted.
2. The courses listed as 'as arranged' should be arranged at a mutually convenient time, directly with the conducting establishment. Every attempt is to be made to plan at least one month in advance.
3. Courses for Commanding Officers designate will be arranged by Department of Defence (Navy Office) as the requirement arises.
4. Navy Order 106/75 is hereby cancelled.

Course No.	Course Title	Category	Remarks
00100	Advanced Survival	Survival	
00101	Advanced Survival	Survival	
00102	Advanced Survival	Survival	
00103	Advanced Survival	Survival	
00104	Advanced Survival	Survival	
00105	Advanced Survival	Survival	
00106	Advanced Survival	Survival	
00107	Advanced Survival	Survival	
00108	Advanced Survival	Survival	
00109	Advanced Survival	Survival	
00110	Advanced Survival	Survival	
00111	Advanced Survival	Survival	
00112	Advanced Survival	Survival	
00113	Advanced Survival	Survival	
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00195	Advanced Survival	Survival	
00196	Advanced Survival	Survival	
00197	Advanced Survival	Survival	
00198	Advanced Survival	Survival	
00199	Advanced Survival	Survival	
00200	Advanced Survival	Survival	

BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS	198/75
AIRCREW	901100	Pilot 95 96 97	RAAF PT COOK		14.04.75 30.06.75 22.09.75	T.B.P. T.B.P. T.B.P.			
	901101	Pilot 95 96	RAAF PEARCE		T.B.P. T.B.P.				
	901102	Observers No. 4	RAAF East Sale		30.07.75	T.B.P.			
	901103	ATC	RAAF East Sale		05.05.75 11.08.75	05.09.75 12.12.75			
	901104	Flying Instructor	RAAF East Sale		01.09.75	12.12.75			
	901105	Helo Instructor	RAF Ternhill		T.B.P.				6
	901106	Quadradar	RAAF East Sale		04.08.75 03.11.75	12.09.75 12.12.75			
	901110	Advanced Navigation	RAAF East Sale		14.07.75	21.11.75			
	901127	Wessex Conversion	ALBATROSS	As Req'd	17.02.75	N.K.			
	901080	Sea King OFS	ALBATROSS		T.B.P.				
	901079	Sea King Conversion	ALBATROSS		T.B.P.				
	901132	Tracker OFS	ALBATROSS	100	07.04.75	N.K.		Leave to be added	

BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS	198/75
	901345	Aircrew Orientation	CERBERUS	30	26.05.75 18.08.75	04.07.75 26.09.75		Observers Pilots Include 901342/3 and 901300	
	901439	OFS ASW	WATSON	10	As arranged				
	901123	Squadron Survival Officer	ALBATROSS	15	As arranged		4-8		
	901159	Officers EAC AVN SE Maintenance	ALBATROSS	15	As arranged		2-6		
	915520	A4 EAC AVN SE Maintenance	ALBATROSS	5	As arranged		2-6		
	NN	S2E Observer/ Sensor Operator EW	WATSON	As Req'd	as arranged				7
	901124	Tracker Weapons O	ALBATROSS	40	28.04.75	04.07.75	2	INC MACCHI REFAM	
	901125	AWI	ALBATROSS	100	23.06.75	28.11.75	2-3		
AIO, Navigation, Tactical	901601	Post PWO RAN Famil.	WATSON	20	01.09.75	26.09.75	3-6	Includes 2-3 days at sea in DDG/DE/SM	
	901094	Senior Officers Tactical Study Period	WATSON	10	01.09.75	12.09.75			
	901431	RAN Tactical	WATSON	15	06.10.75	24.10.75	12-25		198/75

BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS
	901434	Junior Officers Tactical	WATSON	10	23.06.75 10.11.75	04.07.75 21.11.75	12-30	
	901458	Basic Nav General	WATSON	15	07.07.75	25.07.75	6	2 days sea in week 3
	901459	Basic Nav Astro	WATSON	10	23.06.75	04.07.75	4-20	
	901480	AIO Refresher	WATSON	10	as arranged		3-6	
	904110	CTT PWT (AIO)	WATSON	8	as arranged			
	901603	CO Desig Nav Refresher	WATSON	As Req'd	as arranged			
	901605	CO Desig MSC	PENGUIN		as arranged			
	901433	CO Desig MHC	PENGUIN		as arranged			
	NN	XO Desig ND	WATSON		as arranged			
	901467	MWV Nav	WATSON	5	as arranged			
	901610	PB CO Desig	WATERHEN		as arranged			
	901611	LCH CO Desig	MORETON		as arranged			
	901066	SM Fire Controller	WATSON	5	as arranged			
	901067	SM CO Refresher	WATSON	10	as arranged			
	NN	Ship Command Test Refresher (NAV)	WATSON	As Req'd	as arranged			

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BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS
	NN	Ship Command Test Refresher (AIO)	WATSON	As Req'd	as arranged			
	NN	CO Desig Tactical	WATSON	As Req'd	as arranged			
	901444) 901436) 901446)	Stage III N/AIO/ TAS	WATSON	28	13.09.75 09.10.75	19.09.75 14.11.75		
	901064	SM Sonar Officer	WATSON	25	as arranged			
	NN	A/PWO	CERBERUS WATSON	60	28.07.75 11.08.75	08.08.75 17.10.75	7	
			CERBERUS WATSON		07.10.75 20.10.75	17.10.75 19.12.75		
	901443	Stage 1 NAV (GLEX DEG.) Stream	WATSON	10	08.12.75	19.12.75		
	901466	Short Nav	WATSON	15				3 days sea week 2
					28.07.75 25.08.75 20.10.75 01.12.75	15.08.75 12.09.75 07.11.75 19.12.75		
	901466	Escort Nav	WATSON	3	18.08.75 15.09.75 10.11.75	20.08.75 18.09.75 12.11.75	1-6	

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BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS	198/75
	901510	Joint Warfare	RAAF WILLIAMTOWN	10	07.07.75	18.07.75	8	New Course	
	901456	AIC	TBP	50	29.09.75	05.12.75	2	New Course	
ASW	901437	Demolition Supervisor	WATSON	5	21.07.75 01.09.75 03.11.75	25.07.75 05.08.75 07.11.75	4-8		
	901604	CO Desig ASW	WATSON	As Req'd	as arranged				
	901400	Senior Officer Study Period	AJASS	5	01.12.75	05.12.75			
	901404	Joint ASW Introduction	AJASS	5	29.09.75	03.10.75			10
	901438	ASW Acquaint	WATSON	5	as arranged		-10		
	901482	Degaussing for NAV/TAS O	WATSON	1	as arranged				
GUNNERY	901388/ 901391	Explosives Accounting and Custody	CERBERUS	4	22.07.75 23.09.75	25.07.75 26.09.75			
	901602	CO Desig (Gunnery)	CERBERUS	As Req'd	as arranged				
	901620	XO Desig (Gunnery)	CERBERUS	As Req'd	as arranged				
DIVING	901425	Ships Diving	PENGUIN	20	as arranged			Courses commence	

BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS	198/75
		Officer						weekly in conjunction with 903200 (Ships Diver)	
DIVISIONAL	901257	Junior Officers Admin	CERBERUS	5-15	25.08.75	19.09.75	7 )	Aircrew (Dates TBC) EX Stage 3	
					30.06.75	25.07.75	12 )	GL Ex- OW Course	
					28.07.75	29.08.75		EX Stage 3	
					06.10.75	31.10.75		and as arranged	
PUBLIC RELATIONS	901518	PRO	DEFNAV	5	As arranged				11
HYDROGRAPHY	901530	H4	PENGUIN	119	11.08.75	12.12.75	5		
NEW ENTRY	901340	Direct Entry Orientation	CERBERUS	13	30.06.75 03.12.75	16.07.75 19.12.75	-20 -20	IO UVEN	
	901730	SDEN Officers on Promotion	CERBERUS		T.B.P.				
INSTRUCTOR	901183	Basic Electronics	CERBERUS	35	26.06.75	07.08.75			
	901184	Telecommunications	CERBERUS	39	08.08.85	02.10.75			
	901185	Computations	CERBERUS	20	08.08.75	05.09.75			
	901186	Radar	CERBERUS	20	08.08.75	05.09.75			
	901187	Surface Weapons	CERBERUS	10	08.08.75	22.08.75			198/75

BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS
	901340	Orientation	CERBERUS	13	30.06.75	16.07.75		
	901300	Prelim NBCD	CERBERUS	5	21.07.75	25.07.75		
	903600	Instructional Technique	CERBERUS	8	28.07.75	06.08.75		
	901181	IO Duties Pt 1/2	CERBERUS	10	11.08.75	22.08.75		
	901342/3	JO Admin	CERBERUS	20	25.08.75	19.09.75		
	901182/ 901446	TAS/N/AIO	WATSON	58	08.09.75	19.11.75		Sea 3 weeks
	901183	Basic Electronics	CERBERUS	35	.01.76	-		
	901184	Telecommunications	CERBERUS	39	.02.76	-		
	901185	Computations	CERBERUS	20	.02.76	-		
	901186	Radar	CERBERUS	20	.02.76	-		
	901187	Surface Weapons	CERBERUS	10	.02.76	-		
	901470	IO Intro Met	ALBATROSS		as arranged			
	901188	Met Windfinding and Radar	ALBATROSS		as arranged			
MCD	901432	MCDO	PENGUIN		09.06.75	1976	-9	

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BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS
MEDICAL/ DENTAL	901198	WM/SS Med	PENGUIN	10	as arranged			
MARINE ENGINEERING	901370	MEO Power Electrics	CERBERUS	100	24.02.75 22.07.75	18.07.75 10.12.75		
	901365	ENME SM Reversion to GS	CERBERUS	20	as arranged			
	901068	SDEN (Ex-SH) Refresher	CERBERUS	50	07.07.75	12.09.75	4	
SECURITY	901528	Security Acquint	PENGUIN	3	13.08.75 12.11.75	15.08.75 14.11.75	)	Conducted by DEFNAV
	901351	Security Officers Qualifying	PENGUIN	5	15.09.75	19.09.75	)	Conducted by DEFNAV
	901532	Adv Security	PENGUIN	10	07.07.75	18.07.75	)	Conducted by DEFNAV
	901215	Registered Publication	PENGUIN	2	11.08.75 07.10.75	12.08.75 08.10.75		Conducted by DEFNAV
SUPPLY AND SECRETARIAT	901494	B Sc	CERBERUS	100	25.08.75	1976		
	NN	Supply Charge Course	CERBERUS	50	as arranged		-8	
TRAINING TECHNOLOGY	901260	Training Admin.	CERBERUS	10	08.09.75	19.09.75	-16	
	903610	Training	CERBERUS	40	01.09.75	30.11.75		Foreign Officers

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BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS
		Technology						only
	903600	Instruc. Course	CERBERUS	8	30.06.75	09.07.75		
					09.07.75	18.07.75		
					28.07.75	06.08.75		
					06.08.75	15.08.75		
					18.08.75	27.08.75		
					23.09.75	02.10.75		ALBATROSS
					13.10.75	22.10.75		ALBATROSS
					22.10.75	31.10.75		
					10.11.75	19.11.75		
					19.11.75	28.11.75		
					01.12.75	10.12.75		
	903660	Training Analysis	CERBERUS	5	28.07.75	01.08.75		
					06.10.75	10.10.75		ALBATROSS
					20.10.75	24.10.75		NIRIMBA
					17.11.75	21.11.75		
	903630	Training Systems Acquaint	CERBERUS	1	09.07.75			
					28.07.75			
					06.08.75			
					18.08.75			
					23.09.75			
					06.10.75			
					13.10.75			ALBATROSS
					20.10.75			ALBATROSS
					22.10.75			ALBATROSS
					10.11.75			NIRIMBA
					17.11.75			NIRIMBA
					19.11.75			
					01.12.75			
	903670	Training Design	CERBERUS	5			1-16	Pre-requisite

BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS
								Training Analysis 903660 WATSON
					04.08.75	08.08.75		
					13.10.75	17.10.75		
					27.10.75	31.10.75		ALBATROSS
					24.11.75	28.11.75		NIRIMBA
	903640	Quality Control	CERBERUS	10			6-12	Pre-requisite: Instructor Course 903600 WATSON
					23.06.75	04.07.75		
					14.07.75	25.07.75		
					22.09.75	03.10.75		
					10.11.75	21.11.75		NIRIMBA
WEAPON ELECTRONIC ENGINEERING	901175	Ikara Management	RANITE	5	01.09.75	05.08.75	-2	DDG
	901173	Junior WEEO Acquaint	CERBERUS	10	04.08.75	15.08.75		
	901360	GLEN WEL to GLEN WE Conversion	NIRIMBA	21	as arranged			
	901177	Officers NAVCOMSTA	HARMAN		as arranged			
	901178	Degaussing (WEEOs)	WATSON	2	as arranged			
WRAN OFFICERS	947700	OTC	CERBERUS	77	19.05.75	02.09.75		
	907500	COMMS	CERBERUS	30	03.09.75	14.10.75		

BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS
RANR	901341	PCOC	CERBERUS	10	as arranged			
	901055	MWVCO PCT	CERBERUS		as arranged			
	901441	Nav Pt 2	WATSON	10	11.08.75	22.08.75		
					25.08.75	05.09.75		
	901440	NI Test	WATSON	-	as arranged			
	903080	NBCD	PENGUIN	14 even- ings	as arranged			Sydney based personnel only
NBCD	901300	Prelim NBCD	CERBERUS	5	21.07.75 25.07.75 and as arranged			
	901301	Junior Officers NBCD	PENGUIN	10	T.B.P.			Junior Officers may attend 902410 (Sailors Advanced Course) in the interim
	901302	Combined Services Med. and Den. Officers NBC	PENGUIN		as arranged			
	903080	RANR	PENGUIN	14 even- ings	as arranged			
	901194	Officers NBCD Refresher	PENGUIN	5	T.B.P.			

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BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS
	901600	CO Desig NBCD PCT	PENGUIN	2	as arranged			
	901620	XO Desig NBCD PCT	PENGUIN	2	as arranged			
	901070	NBCD Task PCT	PENGUIN	3	T.B.P.			
	901306	NBC Prot Off PCT	PENGUIN	3	as arranged			
	901071	Ships MO NBCD PCT	PENGUIN	3	T.B.P.			
	901072	MINPAB NBCD PCT	PENGUIN	1	as arranged			
	901073	Establishment Passive Defence Officer PCT	PENGUIN CERBERUS	3	as arranged			
JUNIOR OFFICERS STAGE 3 TRAINING	901254	Communications	CERBERUS	10	28.07.75	08.08.75		) EX Stream A
	901253	Gunnery	CERBERUS	10	11.08.75	22.08.75		)
	901257	JOAC	CERBERUS	20	25.08.75	19.09.75		)
	901301	JO NBCD	PENGUIN	10	22.09.75	03.10.75		)
	901256	Security	PENGUIN	2	07.10.75	08.10.75		)
	901250/ 1/2	ASW/AIO/N	WATSON	28	09.10.75	14.11.75		)
	901255	Air	ALBATROSS	8	17.11.75	26.11.75		)
	901301	JO NBCD	PENGUIN	10	28.07.75	08.08.75		) EX Stream B
	901256	Security	PENGUIN	2	11.08.75	12.08.75		)

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EDP NO.

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BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS
	901250/ 1/2	ASW/AIO/N	WATSON	28	13.08.75	19.09.75		)
	901255	Air	ALBATROSS	8	22.09.75	01.10.75		)
	901257	JO AC	CERBERUS	20	06.10.75	31.10.75		)
	901253	Gunnery	CERBERUS	10	03.11.75	14.11.75		)
	901254	Communications	CERBERUS	10	17.11.75	28.11.75		)
	901257	JOAC	CERBERUS	20	30.06.75	25.07.75		)
	901494	B.S.C.	CERBERUS	100	25.08.75	1976		) SU
NATIONAL EMERG SERV	NN	Exec Disaster Planning	Mt MACEDON	5	27.07.75	01.08.75	1	)
	NN	SO Disaster Planning	Mt MACEDON	10	09.11.75	21.11.75	1	)

(519-5-19)

(Navy Order 198/75)

199/75 Sailors Course Program 1975

1. The revised program for 1975 is detailed at Annex A of this order.
2. All course amendments known at 4 June 1975 have been incorporated, and courses completing prior to 30 June 1975 have been deleted.
3. The duration of courses shown is the period specified in appropriate syllabuses and actual course lengths may vary. Training establishments are to report changes in completion dates of courses in monthly returns on Form PE106 when such changes are known.
4. Sailors posted to courses of three months duration or longer will be required to serve for a period at least equal to the course length plus one year on completion of the course. In cases where a current engagement does not equal or exceed this return of service, the sailor will be required to effect a re-engagement which will ensure that this period will remain to be served by the sailor on completion of course. The provisions of RI0824 Paragraphs 2 to 6 continue to apply.
5. Where an elective discharge is involved with a return of service reference is also to be made to current regulations.
6. Applications to re-engage, where applicable, are to be made by signal and on Form PR10 on receipt of posting notes. Should a sailor who is required to re-engage not intend to do so, this is to be signalled promptly in order that a replacement can be posted.
7. Where applicable, sailors are to be lent to training establishments for courses under two months duration.
8. Applications for 'PCT' and 'continuation training' courses should be made in accordance with ABR 27 Vol II.



Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
	910010	AETW	NIRIMBA	24 mths			.01.74 19.12.75 13.01.75 T.B.D.	4-16		
	910020	AETS	NIRIMBA	27 mths			.01.74 12.03.76 .07.74 03.09.76 13.01.75 T.B.D. 08.07.75 T.B.D.	4-16 4-16 4-16		
	910030	AMTP	NIRIMBA	27 mths			.01.74 12.03.76 .07.74 03.09.76 13.01.75 T.B.D. 08.07.75 T.B.D.	8-48 8-32		
	910040	AMTH	NIRIMBA	27 mths			.01.74 12.03.76 .07.74 03.09.76 13.01.75 T.B.D. 08.07.75 T.B.D.	8-32 8-16		
	910050	AMTL	NIRIMBA	24 mths			.01.74 19.12.75 .07.74 25.06.76 13.01.75 T.B.D. 08.07.75 T.B.D.	4-16 4-16		
	9110060	AATA	NIRIMBA	24 mths			.01.74 19.12.75 13.01.75 T.B.D.	4-16		
	910070	AATC	NIRIMBA	27 mths			.01.74 12.03.76 13.01.75 T.B.D.	4-16		
	910080	AATW	NIRIMBA	24 mths			.01.74 19.12.75 13.01.75 T.B.D.			
SEAMAN PROMOTION	902540	Cox'n Conver-	KUTTABUL	45	PENGUIN (Medical)					

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
		sion			CERBERUS		05.05.75 04.07.75 08.09.75 07.11.75			
	902640	Charge Cox'n	KUTTABUL	10			21.07.75 01.08.75 04.08.75 15.08.75 18.08.75 29.08.75			
	911910	Adv QMG	CERBERUS	115	PENGUIN CERBERUS CERBERUS	NBCD Gunnery S'Ship	07.04.75 19.04.75 21.04.75 08.08.75 11.08.75 -			
					PENGUIN CERBERUS CERBERUS	NBCD Gunnery S'Ship	04.08.75 15.08.75 18.08.75 12.12.75 12.01.76 -			
	911920	Adv CD	PENGUIN	125 (incl 10 NBCD)	CERBERUS	S'Ship	10.02.75 01.08.75 04.08.75 -	4-8	4 RMN	
	911930	Adv SR	PENGUIN	94 (incl 10 NBCD)	CERBERUS	NBCD SR S'Ship	17.02.75 01.03.75 03.03.75 13.06.75 30.06.74 26.07.74		2 RMN Incl leave	
	911960	Adv UC	WATSON	100	WATSON		28.07.75 31.10.75	5-8	Sea 29.09.75- 10.10.75	
					CERBERUS PENGUIN	S'Ship NBCD	03.11.75 28.11.75 01.12.75 12.12.75			
	911970	ADVFC	CERBERUS	111 (incl 10 NBCD)	PENGUIN CERBERUS	NBCD Gunnery S'Ship	19.05.75 30.05.75 02.06.75 06.10.75 06.10.75 NK	6-12	6 RMN	

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
	911710	ABQMG	CERBERUS	NK		NBCD Gunnery S'Ship	01.04.75 24.04.75	04.04.75 NK NK		
						NBCD Gunnery S'Ship	05.05.75 28.04.75	09.05.75 NK NK		
						NBCD Gunnery S'Ship	30.06.75 23.06.75	04.07.75 NK NK		
						NBCD Gunnery S'Ship	28.07.75 22.07.75	01.08.75 NK NK		
						NBCD Gunnery S'Ship	29.09.75 23.09.75	02.10.75 NK NK		
						NBCD Gunnery S'Ship	27.10.75 20.10.75	31.10.75 NK NK		
	911730	ABSR	PENGUIN	82 (incl 5 NBCD)	CERBERUS PENGUIN	S'Ship	30.06.75 14.07.75	12.07.75 10.10.75	-10	
	911740	ABUW	WATSON	25 (incl 5 Dem)	CERBERUS PENGUIN WATSON	S'Ship NBCD	06.10.75 20.10.75 27.10.75	17.10.75 24.10.75 28.11.75	3,5, 6 or 10	
	911760	ABUC	WATSON	35	CERBERUS WATSON	S'Ship	30.06.75 14.07.75	11.07.75 29.08.75	6-12	

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
					PENGUIN	NBCD	01.09.75	05.09.75		
					CERBERUS PENGUIN WATSON	S'Ship NBCD	11.08.75 25.08.75 01.09.75	22.08.75 29.08.75 17.10.75		
					CERBERUS PENGUIN WATSON	S'Ship NBCD	06.10.75 20.10.75 27.10.75	17.10.75 24.10.75 12.12.75		
	911750	ABRP	WATSON	40-60					6-8	Some Courses will be cancelled when AIOTT commissioning date is known
					CERBERUS WATSON PENGUIN	S'Ship NBCD	11.04.74 28.04.75 14.07.74	24.04.75 11.07.74 18.07.74		
					CERBERUS PENGUIN WATSON	S'Ship NBCD	28.04.74 12.05.75 19.05.75	09.05.75 16.05.75 01.08.75		
					CERBERUS PENGUIN WATSON	S'Ship NBCD	19.05.75 02.06.75 09.06.75	30.05.75 06.06.75 22.08.75		
					CERBERUS PENGUIN WATSON	S'Ship NBCD	06.06.75 23.06.75 30.06.75	20.06.75 27.06.75 12.09.75		
					CERBERUS PENGUIN WATSON	S'Ship NBCD	07.07.75 21.07.75 29.07.75	18.07.75 25.07.75 10.10.75		



Branch or Group	EDP NO.	Course	Conducting Establish-ment	Duration in days	Supporting Establish-ment	Subject	Start- ing date	Comple- tion date	Min/ Max Nos.	Remarks
					CERBERUS PENGUIN WATSON	S'Ship NBCD	18.07.75 04.08.75 11.08.75	01.08.75 08.08.75 24.10.75		
					CERBERUS PENGUIN WATSON	S'Ship NBCD	25.08.75 08.09.75 15.09.75	05.09.75 12.09.75 28.11.75		
					CERBERUS PENGUIN WATSON	S'Ship NBCD	08.09.75 22.09.75 29.09.75	19.09.75 26.09.75 12.12.75		
					CERBERUS PENGUIN WATSON	S'Ship NBCD	12.09.75 29.09.75 07.10.75	26.09.75 03.10.75 1976		Incl leave
					CERBERUS PENGUIN WATSON	S'Ship NBCD	06.10.75 20.10.75 27.10.75	17.10.75 24.10.75 1976		
					CERBERUS PENGUIN WATSON	S'Ship NBCD	20.10.75 03.11.75 10.11.75	31.10.75 07.11.75 1976		
	911770	ABFC	CERBERUS	As Req'd		NBCD Gunnery S'Ship	05.05.75 28.04.75	09.05.75 NK NK		
						NBCD Gunnery S'Ship	02.06.75 26.05.75	06.06.75 NK NK		
						NBCD	30.06.75	04.07.75		

Branch or Group	EDP NO.	Course	Conducting Establish-ment	Duration in days	Supporting Establish-ment	Subject	Start- ing date	Comple- tion date	Min/ Max Nos.	Remarks
						Gunnery S'Ship	23.06.75	NK NK		
						NBCD Gunnery S'Ship	28.07.75 22.07.75	01.08.75 NK NK		
						NBCD Gunnery S'Ship	25.08.75 18.08.75	29.08.75 NK NK		
						NBCD Gunnery S'Ship	29.09.75 23.09.75	03.10.75 NK NK		
						NBCD Gunnery S'Ship	27.10.75 20.10.75	31.10.75 NK NK		
						NBCD Gunnery S'Ship	24.11.75 17.11.75	28.11.75 NK NK		
	911780	ABWM	CERBERUS	As Req'd		NBCD Gunnery S'Ship	03.02.75 28.01.75	07.02.75 NK NK	8-10	
						NBCD Gunnery S'Ship	03.03.75 24.02.75	07.03.75 NK NK		
						NBCD Gunnery S'Ship	01.04.75 24.03.75	04.04.75 NK NK		

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
						NBCD Gunnery S'Ship	05.05.75 28.04.75	09.05.75 NK NK		
						NBCD Gunnery S'Ship	02.06.75 26.05.75	06.06.75 NK NK		
						NBCD Gunnery S'Ship	28.07.75 22.07.75	01.08.75 NK NK		
						NBCD Gunnery S'Ship	25.08.75 18.08.75	29.08.75 NK NK		
						NBCD Gunnery S'Ship	27.10.75 20.10.75 NK	31.10.75 NK NK		
	911790	ABCD	PENGUIN	110 (incl 5 NECD)	CERBERUS PENGUIN	S'Ship	- 17.02.75 03.03.75	24.05.75 28.02.75 08.08.75	8-16	4/74
					CERBERUS PENGUIN	S'Ship	19.05.75 02.06.75	30.05.75 31.10.75		
					CERBERUS PENGUIN	S'Ship	30.06.75 14.07.75	11.07.75 1976		Incl leave
					CERBERUS PENGUIN	S'Ship	13.10.75 27.10.75	24.10.75 1976		Incl leave

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
SEAMAN CAREER & PCT	911820	LSPT (Q)	CERBERUS	260		S'Ship PT	07.01.75 10.02.75	07.02.75 20.02.76	18	
	903190	ASAC requal.	WATSON	5			12.05.75 14.07.75 01.12.75	16.05.75 18.07.75 05.12.75	4-6	
	902120	Sen. Sailors Nav.	WATSON	25			24.02.75 25.08.75 03.11.75	27.03.75 03.10.75 05.12.75	4-12	Sea support weeks 3 & 4
	902560	Support Craft Charge	WATSON	15			29.09.75	17.10.75	4-8	Sea 9-10 Oct
	903230	Small Ships SE	ALBATROSS	10			As arranged		2-8	
	903290	ASAC	WATSON	25	WATSON ALBATROSS WATSON COMAUSFLT		07.08.75 19.08.75 22.08.75 01.09.75	18.08.75 21.08.75 29.08.75 12.09.75		
					WATSON ALBATROSS WATSON COMAUSFLT		10.09.75 23.09.75 26.09.75 07.10.75	22.09.75 25.09.75 06.10.75 17.10.75		
					WATSON ALBATROSS WATSON		23.10.75 04.11.75 07.11.75	03.11.75 06.11.75 16.11.75		

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
					COMAUSFLT		17.11.75	28.11.75		
	903310	EOD Refresher	PENGUIN	10			As arranged			
	904090	T10	WATSON	5			As arranged			
	903420	Recruit School Instructor	CERBERUS				As arranged			
	904200	Landing Party HQ	CERBERUS FOCEA	5			As arranged			
	904230	Landing Party PWT	CERBERUS FOCEA	5			As arranged			
	911310	EOD Instructor	PENGUIN	30			As arranged			
	911360	4.5" PWT	CERBERUS	5			As arranged		6-18	
	911630	Seacat Aimer	CERBERUS	15	COMAUSFLT		14.07.75	31.07.75		Seacat firing Ship 4.8.75 - 8.8.75
							08.09.75	26.09.75		Seacat Firing Ship

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Branch or Group	EDF NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
							06.10.75	24.10.75		29.9.75 - 3.10.75 Seacat Firing Ship 27.10.75 - 31.10.75
	911690	Close Range PCT	CERBERUS	5			As arranged		6-12	
	911810	LCH Gunnery PCT	CERBERUS	5			As arranged		3-12	
	911640	Seacat Aimer Refresher	CERBERUS	5			14.04.75 06.10.75	19.04.75 10.10.75	6	
	951340	Sonar 193 PCT	PENGUIN	2	WATERHEN (MHC)		As arranged			
NN		UCDD PWT	WATSON	5			As arranged			
NN		UCDE PWT	WATSON	5			As arranged			
NN		UWDD PWT	WATSON	5			As arranged			Inc. demol.
NN		UWDE PWT	WATSON	5			As arranged			Inc. demol.

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
	951410	DDG UC PWT	WATSON	4			As arranged			
	941420	DDG UW PWT	WATSON	4			As arranged			
	951430	IAC Operator	WATSON	2			As arranged			
	911390	Sonar Type 174 PWT	WATSON	2			As arranged			
	911430	Sonar Controller	WATSON	10			As arranged			
	911080	Sonar Type 176 PWT	WATSON	2			As arranged			
	951490	PT Refresher	CERBERUS				As arranged			
	951480	AVN SE and Aircrew Survival	ALBATROSS	20			As arranged		2-4	PT Sailors posted ALBATROSS and MELBOURNE
	951580	Browning Machine	CERBERUS	3			As arranged			

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
	951720	Gun AB QMG/WM Patrol Boat	CERBERUS	21			As arranged			
	NN	ASAC Refresher	WATSON	5			As arranged			
	NN	AIOTT Officers, Sen. Sailors/Wrans Staff PCT	WATSON	30			As arranged			
	NN	AIOTT Jun Sailors/Wrans PCT	WATSON	20			As arranged			
	902220	Demolition PCT (Non-UW/CD Sailors)	WATSON	5						Held in conjunction with 911740 (ABUW)
SEAMAN SUBMARINES PROMOTION	908150	LSUCSM	PLATYPUS	15			08.09.75 13.10.75	26.09.75 31.10.75	2-6	

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
SEAMAN SM CAREER AND PCT	908160	LSUWSM	PLATYPUS	20			03.11.75	28.11.75	2-6	
	908180	LSRPSM	PLATYPUS	15			28.07.75	15.08.75	2-6	
	908210	POSEASM	PLATYPUS	20			18.08.75	12.09.75	1-6	
	908900	Adv. UW SM	PLATYPUS	30			01.09.75	10.10.75	2-6	Require 908210
	908910	Adv. UC SM	DOLPHIN				Arranged by DEFNAV			Require 908210
	908920	Adv. RP SM	PLATYPUS	55			01.09.75	14.11.75	2-8	Require 908210
	908170	POOWSM	PLATYPUS	15			17.11.75	29.11.75	2-8	
	908990	COX SM	PLATYPUS	As Req'd	KUTTABUL PLATYPUS		26.05.75	25.07.75		
					KUTTABUL PLATYPUS		08.09.75	07.11.75		
							10.11.75	-		
	911010	NAV YEO SM	PLATYPUS	20	WATSON		25.08.75	19.09.75		Combined 915720
SUBMARINE COMMS	908190	ROSM PCT	PLATYPUS	10	KUTTABUL		As arranged			
COMMS PROMOTION	912700	SMNCO	CERBERUS	35			09.06.75	05.07.75	10-20	

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
	912710	SMNSIG	CERBERUS	(Plus 5 NBCD) 101			22.07.75	15.09.75		
							08.09.75	05.11.75		
							20.10.75	15.12.75		
	912720	SMNRO	CERBERUS	102			04.03.75	30.07.75	4-12	
							17.04.75	12.09.75		
							28.05.75	23.10.75		
							01.07.75	25.11.75		
							06.08.75	22.01.76		
							16.09.75	26.02.76		
							06.11.75	19.04.76		
	912760	SMNROEW	CERBERUS	110			04.03.75	31.07.75	4-12	
							17.04.75	13.09.75		
							28.05.75	24.10.75		
							01.07.75	26.11.75		
							06.08.75	23.01.76		
							16.09.75	27.02.76		
							06.11.75	20.04.76		
							04.03.75	02.06.75	4-10	
							05.06.75	14.08.75		
							17.04.75	11.07.75		
							14.07.75	19.09.75		
							28.05.75	21.08.75		
							25.08.75	31.10.75		
							01.07.75	24.09.75		
							29.09.75	05.12.75		
							06.08.75	31.10.75		
							03.11.75	1976		

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
							16.09.75	09.12.75		
							1976	-		
							06.11.75	10.02.76		
							1976	-		
	912910	Adv. SIG (SY)	CERBERUS	89	CERBERUS	NBCD	30.07.75	11.11.75	3-8	
							12.11.75	14.11.75		
							17.11.75	28.11.75		
							01.12.75	05.12.75		
	912750	SMNROS	HARMAN	90			14.04.75	15.08.75	6-10	
							18.08.75	19.12.75		
	912920	Adv. RO (RS)	CERBERUS	79	CERBERUS	NBCD	29.01.75	06.05.75	3-8	
							07.05.75	09.05.75		
							12.05.75	23.05.75		
							06.08.75	11.11.75		
							12.11.75	14.11.75		
							17.11.75	28.11.75		
	912970	Adv. ROEW (RSEW)	WATSON	80	PENGUIN	NBCD	05.05.75	16.05.75	3-8	
							19.05.75	04.07.75		
							07.07.75	22.08.75		
	912930	ADV ROS	HARMAN	80	PENGUIN	NBCD	26.05.75	06.06.75	3-5	Combined 907940
							10.06.75	05.09.75		
							08.09.75	12.07.75		
							28.05.75	05.09.75		
							08.09.75	05.12.75		
							08.12.75	12.12.75		

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
COMMS CAREER AND PCT	912050	LSSIG/SIG MCMV PCT	CERBERUS				As arranged			
	912090	Small Ship RO PCT	CERBERUS	20			29.09.75	24.10.75	3-8	
	NN	FWT	CERBERUS				As arranged			
	912222	Shore Radio Acquaint	HARMAN	5			22.09.75	26.09.75		
	901327	EW PWT	WATSON	5			as arranged			
MARINE ENGINEERING PROMOTION	913730	MTP 1	CERBERUS	106			03.02.75	02.05.75		
							05.05.75	09.05.75		
							12.05.75	07.07.75		
							03.03.75	30.05.75		Combined 913750
							02.06.75	06.06.75		
							09.06.75	05.08.75		
							01.04.75	27.06.75		
							30.06.75	04.07.75		
							07.07.75	01.09.75		
							28.04.75	23.07.75		Combined

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
						NBCD	24.07.75 31.07.75	30.07.75 25.09.75		913740
						NBCD	26.05.75 21.08.75 28.08.75	20.08.75 27.08.75 23.10.75		Cobined 913750
						NBCD	23.06.75 17.09.75 25.09.75	16.09.75 24.09.75 20.11.75		
						NBCD	22.07.75 16.10.75 23.10.75	15.10.75 22.10.75 18.12.75		Combined 913740
						NBCD	18.08.75 13.11.75 20.11.75	12.11.75 19.11.75 12.02.76		Combined 913750
						NBCD	15.09.75 11.12.75 12.01.76	10.12.75 17.12.75 09.03.76		
						NBCD	20.10.75 12.02.76 19.02.76	11.02.76 18.02.76 NK		Combined 913740

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
							10.11.75 03.03.76 11.03.76	02.03.76 10.03.76		Combined 913750
	913740	MTL 1	CERBERUS	156		NBCD	05.11.74 20.02.75 27.02.75	19.02.75 26.02.75 09.07.75		
						NBCD	06.01.75 14.04.75 14.04.75	04.04.75 18.04.75 20.08.75		
						NBCD	26.04.75 24.07.75 31.07.75	23.07.75 30.07.75 05.12.75		
						NBCD	22.07.75 16.10.75 23.10.75	15.10.75 22.10.75 18.03.76		
						NBCD	20.10.75 12.02.76 19.02.76	11.02.76 18.02.76 NK		
	913750	MTL 1	CERBERUS	110		NBCD	03.03.75 02.06.75 09.06.75	30.05.75 06.06.75 19.08.75	5-12	

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
							26.05.75	20.08.75		
							21.08.75	27.08.75		
							28.08.75	07.11.75		
							18.08.75	12.11.75		
							13.11.75	19.11.75		
							20.11.75	26.02.76		
							10.11.75	02.03.76		
							03.03.76	10.03.76		
							11.03.76			
	913910	Adv. MTP	CERBERUS	70 (incl. 10 NBCD)	CERBERUS PENGUIN	NBCD	01.09.75	28.11.75	6-15	
	913920	Adv. MTP D	CERBERUS	60 (incl. 10 NBCD)	CERBERUS PENGUIN	NBCD	01.12.75	12.12.75		
	953080	MTP 4 Q	CERBERUS	85			17.07.75	10.10.75	6-12	
	NN	Fitter Mech (Marine)		60			13.10.75	24.10.75		
	953930	MECH	NIRIMBA	2 yrs			18.08.75	17.12.75	6-15	
	913930	POMTP3	NIRIMBA	2 yrs			23.09.75	11.12.75	6	PNG
							20.01.75	-		RMN
							14.07.75	24.06.77	4-20	Combined

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
		(ex Mech)							953930	
	953930	POMTP3 (ex Mech)	NIRIMBA	2 yrs			14.07.75	24.06.77	4-20	maximum of 20 Combined 913930 maximum of 20
	913990	CPOMTH4	NIRIMBA	40			T.B.D.			
MARINE ENGINEERING CAREER AND PCT	913620	TOW	CERBERUS	60			25.08.75	18.11.75		With 914960 916220 917580
	913630	B and L	CERBERUS	20			18.08.75	12.09.75	4-10	
	913700	ACC OPERATORS					10.11.75	05.12.75		
	902310	MTD	ALBATROSS	30			T.B.P.		4-8	
	913650	Art Diver	PENGUIN	20			04.08.75	12.09.75	4-16	And ABAVN, WRAN
							15.09.75	24.10.75		
							27.10.75	05.12.75		
							as arranged			Courses commence weekly in conjunction with 903200



Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
	913660	Adv Welding	NIRIMBA	60			12.05.75	01.08.75	4	
	953040	PB AB/L/S MTP PCT	WATERHEN				25.08.75	14.11.75		
	953140	PB Charge MTP	WATERHEN				as arranged			
	913760	LCH Charge MTP PCT	MORTON				as arranged			
	913770	LCH MTP PCT	MORTON				as arranged			
	915590	Small Ships Helo F/F	ALBATROSS	3			as arranged			Ships with Landing Platform (and ME PCT)
	915600	Small Ships Helo Transport F/F	ALBATROSS	1 1/2			as arranged			Ships without Landing Platform (and ME PCT)
	913090	MTH LSE	ALBATROSS	10			as arranged		2-8	

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
	913130	Maint MTH Sail-making Training	ALBATROSS	10			as arranged		2-8	Consecutive to 913080 if required
WEE PROMOTION	914750	ET 1	CERBERUS	75 (incl 5 NBCD)			05.05.75	19.08.75	10-28	
							30.06.75	14.10.75		
							25.08.75	09.12.75		
							20.10.75	02.03.76		
	914760	ETW 1	CERBERUS	65			28.04.75	29.07.75	3-10	
							23.06.75	23.09.75		
							20.08.75	20.11.75		
							15.10.75	12.02.76		
	914770	ETS 1	CERBERUS	65			28.04.75	29.07.75	5-10	
							23.06.75	23.09.75		
							20.08.75	20.11.75		
							15.10.75	12.02.76		
	914780	ETC 1	CERBERUS	60			28.04.75	22.07.75	5-10	
							23.06.75	15.09.75		
							20.08.75	13.11.75		
							15.10.75	05.02.76		
	913900	ADV MTL	CERBERUS	110 (incl 10 NBCD)	PENGUIN	NBCD	03.02.75	27.06.75	4-12	
							30.06.75	11.07.75		
	914960	ADV	CERBERUS	194	PENGUIN	NBCD	03.01.75	31.01.75	4-12	

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
WEE CAREER AND PCT	914950	ETS ADV ETC	CERBERUS	(incl 10 NBCD) 179 (incl 10 NBCD)	PENGUIN	NBCD	03.02.75	24.10.75 20.01.75 31.01.75 03.02.75 03.10.75	4-12	
	924040	Junior Systems Acquaint (IKARA)	RANITE	15			11.08.75 29.08.75 27.10.75 14.11.75	-6		
	954410	Ikara System	RANITE	18			30.07.75 22.08.75 19.11.75 12.12.75	-6		
	954430	Attack Console	RANITE	40			19.05.75 11.07.75 20.10.75 12.12.75	-6		
	954450	Tracking System	RANITE	65			25.08.75 21.11.75	-6		
	964580	Intro Digital Ikara	RANITE	10			06.10.75 17.10.75	-6	Pre-requisite for courses 954430, 954440	
	913640	Patrol Boat LSMTL	CERBERUS	17	CERBERUS WATERHEN		14.07.75 19.07.75 22.07.75 06.08.75	2-8	3 RMP	
	914030	Pitometer Log	CERBERUS	3			06.08.75 08.08.75			

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
	914040	EM Log	CERBERUS	5			11.08.75	15.08.75		
	914120	Gyro 2005	CERBERUS	10			13.10.75	24.10.75	4-8	
	914130	Gyro 5005	CERBERUS	5			27.10.75	31.10.75	4-8	
	914140	AGMC 6	CERBERUS	5			27.10.75	31.10.75	4-8	
	914160	JDA/PAB	CERBERUS	9			10.11.75	20.11.75	-6	
	914180	IFF MK 10	CERBERUS	15			23.06.75	11.07.75	-6	
	914200	Auto Phone Exchange	CERBERUS	5			28.07.75	01.08.75	4-6	
	914300	Sonar 170B/MCS 10	CERBERUS or WATSON	20			25.08.75	19.09.75 and as arranged	4-8	
	914490	ARL Plot	CERBERUS	5			as arranged			
	914500	A618/ACAS	CERBERUS	5			25.08.75	29.08.75		
	914510	G91/CUH	CERBERUS	5			14.07.75	19.07.75		

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Branch or Group	EDF NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
	914550	AN/URC 58	CERBERUS	10			23.09.75	06.10.75	-6	
	914560	KG14	CERBERUS	35			15.07.75	02.09.75	4-8	
	914570	AN/URT 23V	CERBERUS	20			27.10.75	24.11.75	4-12	
	914580	AN/URR 1051B	CERBERUS	8			25.11.75	04.12.75	4-12	
	914680	E/S 765	CERBERUS	2			18.08.75	19.08.75	-4	
	914690	TOWL	CERBERUS	55			04.08.75	20.10.75	6-15	Combined 46 913620, 916220, 917580
	924030	M22/44 (Junior) Maint Acquaint	CERBERUS	40			17.06.75 01.09.75	12.08.75 27.10.75	4-8	
	954010	KW37R	CERBERUS	30			02.06.75	14.07.75	4-8	
	954030	KW7	CERBERUS	30			03.09.75	15.10.75	4-8	
	954040	KL7	CERBERUS	6			16.10.75	23.10.75	4-8	
	945120	MTR1	CERBERUS	5			as arranged			
	954130	692/693 CUJ	CERBERUS	14			22.07.75	08.08.75	-8	

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
	954200	AN/SRC 20/21	CERBERUS				as arranged		4-6	
	954260	4.5" MK6 MOD 3	CERBERUS	25			as arranged		4-8	
	954270	Radar 293/277	CERBERUS	10			as arranged		-8	
	954340	MRS 3 Computer	CERBERUS	43			as arranged		4-8	
	954390	40/60 BOFORS	CERBERUS	8			08.09.75 17.11.75	17.09.75 26.11.75	4-8	
	954500	Sonar 164	CERBERUS	5			29.09.75	03.10.75	4-8	
	954510	Sonar 174	CERBERUS	5			06.10.75	10.10.75	4-8	
	954520	Type 185	CERBERUS	3			as arranged			
	954550	RA 217	CERBERUS	5			as arranged			
	954560	Lifeguard Receiver	CERBERUS	5			as arranged			
	954630	Seacat	CERBERUS	10			as arranged		4-8	
	964010	Radar	CERBERUS	7			23.06.75	01.07.75	--8	

Branch or Group	EDP NO.	Course	Conducting Establish-ment	Duration in days	Supporting Establish-ment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
		975					01.12.75	09.12.75		
	964040	Radar LWO 2A	CERBERUS	15			11.08.75	29.08.75	-6	
	964160	8GR-301	CERBERUS				as arranged			
	964280	978/JUA	CERBERUS	7			28.07.75	05.08.75	-8	
	964300	AC GEN DIST	CERBERUS	10			01.12.75	12.12.75	4-8	
	964370	AN/SPA 34/50	CERBERUS	18			23.09.75	16.10.75	4-6	
	964440	DC GEN DIST	CERBERUS	10			08.09.75	19.09.75	4-8	
	964490	JYA	CERBERUS	25			29.09.75	31.10.75	-6	
	964500	Sea Crypto Refresher	CERBERUS	5			01.12.75	05.12.75	4-8	
	964520	AN/UQN4	CERBERUS	15			10.11.75	29.11.75	-6	
	964590	LCHETC	CERBERUS	25	CERBERUS (10) MORETON (15)		as arranged			
	964630	Junior High Reliab-ility	CERBERUS or NIRIMBA	5			as arranged			

Branch or Group	EDP NO.	Course	Conducting Establish-ment	Duration in days	Supporting Establish-ment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
	924070	Soldering Seacat Guidance	CERBERUS				as arranged			
	964640	Senior High Reliab-ility Soldering	NIRIMBA	10			as arranged			
NN		Pre-Linesman	NIRIMBA	30			23.06.74			
	954020	KW37T	HARMAN	10			07.07.75	18.07.75	4-8	
	954000	KW26C	HARMAN	45			04.08.75	03.10.75	4-8	
	954050	BID610	HARMAN	25			20.10.75	21.11.75	4-8	
	964480	Shore Crypto Refresher	HARMAN	5			21.07.75	25.07.75	4-8	
	914620	Shore Wireless AB/LS	HARMAN	20			25.07.75 17.11.75	22.08.75 12.12.75	4-8	WRETC WRETC
	914630	Shore Wireless (POETC3)	HARMAN	25			as arranged			
	914800	Shore Wireless	HARMAN	5			as arranged			

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
		(SMNETC)								
	914330	Sonar 177M	WATSON	24				as arranged		
	924100	MK 44/46 Torpedo User Aspect Acquaint	WATSON	2				as arranged		
	964120	Solartron Trainer Maint PCT	WATSON	5				as arranged		
	964140	ASUAT Maint PCT	WATSON	5				as arranged		
	964600	DG Wooden Hull Maint	WATSON	2				as arranged		
	964610	DG Steel Hull Maint	WATSON	2				as arranged		
	924020	Sonar 182 Mod 2 Maint	WATSON	3				as arranged		

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
	924110	M22 System Maint/ User PWT	CERBERUS	5				as arranged		
	924120	M44 System Maint/ User PWT	CERBERUS	3				as arranged		
	954180	Browning .5 Maint PCT	CERBERUS	1				as arranged		
	954540	EEDO Echo Sounder	CERBERUS	3				as arranged		
	914380	Ikara Mag/Mar Launcher	DEFNAV	25	CAC			as arranged		
	924000	Patrol Boat ABETS (ex WR)	CERBERUS	29	WATERHEN (17)			as arranged		
	908440	Mk 8 Torpedo Maint	PLATYPUS	3	RANTME			as arranged		
	914460	Sub	CPFSWELL	28	STALWART			as arranged		

Branch or Group	EDP NO.	Course	Conducting Establish-ment	Duration in days	Supporting Establish-ment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
		Simulator AS21B12								
	954470	Ikara Missile	RANTME Kingswood	3			as arranged			
	964320	M/S Acoustic/Magnetic Equip Maint.	WATERHEN	1			as arranged			
	964330	M/S equip Maint.	WATERHEN	4			as arranged			
	964570	AN/SPS 52	CERBERUS	64			as arranged by DEFNAV			
	964650	Amature Winding	STALWART		AEI		as arranged			
	964660	An-SKOI Tartar Telemetry	RANTAU	10			as arranged			
	NN	NCDS Computer	DEFNAV	80			28.04.75	15.08.75		
	NN	NCDS Display	DEFNAV	80			25.08.75	12.12.75		
NAVAL	915710	ABAVN	ALBATROSS	30	PENGUIN					

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Branch or Group	EDP NO.	Course	Conducting Establish-ment	Duration in days	Supporting Establish-ment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
AIRMAN PROMOTION				(incl NBCD)						
				40		NBCD	30.06.75	04.07.75		
						NBCD	07.07.75	08.08.75		
						NBCD	15.09.75	19.09.75		
						NBCD	22.09.75	24.10.75		
						NBCD	03.11.75	07.11.75		
						NBCD	10.11.75	12.12.75		
	915720	ABM	ALBATROSS	75	PENGUIN WATSON	NBCD NAV YEO	18.08.75	22.08.75		
				incl NBCD & NAV YEO			25.08.75	19.09.75		
							22.09.75	29.11.75		
	915920	Adv M	ALBATROSS	40	PENGUIN	NBCD	14.07.75	25.07.75	2-4	
				(incl NBCD)			28.07.75	05.09.75		
	915930	Adv PHOT	RAAF East Sale	100			T.P.P.			
	915730	Std PHOT	RAAF East Sale				14.05.75	25.11.75	6	
NAVAL AIRMAN CAREER & PCT	915550	Basic Aircrew-	ALBATROSS				T.B.P.			
	NN	Adv Aircrew Fixed Wing	ALBATROSS				T.B.P. i n conj with 901132			

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
	N/K	Adv Aircrew Rotary Wing	ALBATROSS				T.B.P. in conj with Sea King OFS			
	902310	MTD	ALBATROSS							See ME Career & PCT
	902620	ABM NAV YEO	ALBATROSS	20	WATSON	NAV YEO	25.08.75	19.09.75		with 915720
	915330	Air-crewman Intro	WATSON	10			as arranged			Non UC Sailors
	915350	ABM Radio-sonde and Bal Met	ALBATROSS	15			as arranged			
	915370	SAR Diver	ALBATROSS		PENGUIN		Held in conjunction with 903200 (Ships Diver)			
	915420	Fireman PCT	ALBATROSS	10			30.06.75	11.07.75		
							18.08.75	29.08.75		
							27.10.75	07.11.75		
	915540	NIKONOS 35 mm Camera	ALBATROSS	5			as arranged			

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
	915470	ABM Radar Windfind-ing	ALBATROSS	15			as arranged			
	915560	Adv AVN Admin	ALBATROSS	15			25.08.75	19.09.75		
	NN	MTD I	ALBATROSS	20			21.07.75	15.08.75	1-4	
AIR ENGINEERING PROMOTION	916750	ATA 1	ALBATROSS	105 (incl 5 NBCD)	PENGUIN ALBATROSS	NBCD ENG.	1974	18.04.75		
							21.04.75	24.04.75	4-12	
							28.04.75	12.09.75		
							14.07.75	18.07.75	4-12	
							21.07.75	05.12.75		
							20.10.75	24.10.75	4-12	
							27.10.75	02.04.76		Incl. Leave
	916850	ATA 2	ALBATROSS	160	ALBATROSS	ENG.	18.08.75	16.04.76	4-12	Inc. Leave
	916920	Adv ATA	ALBATROSS	205 (incl 10 NBCD)	PENGUIN ALBATROSS	NBCD ENG.	13.01.75	24.01.75		Incl. leave
							27.01.75	21.11.75	4-12	
	917730	ATC 1	ALBATROSS	105 (incl 5 NBCD)	PENGUIN ALBATROSS	NBCD ENG.	21.04.75	25.04.75		
							28.04.75	03.10.75	4-12	Incl. leave
							14.07.75	18.07.75		
							21.07.75	05.12.75		

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
	957830	ATC 2	ALBATROSS	170			18.08.75	31.05.76	4-6	Incl. leave
	917920	Adv ATC	ALBATROSS	165 (incl 10 NBCD)	PENGUIN ALBATROSS	NBCD ENG.	13.01.75 27.01.75	24.01.75 26.09.75	4-6	Incl. leave
	917740	ATW 1	ALBATROSS	105 (incl 5 NBCD)	PENGUIN ALBATROSS	NBCD ENG.	1974 21.04.75 28.04.75	18.04.75 25.04.75 03.10.75	4-12	
	957840	ATW 2	ALBATROSS	175			18.08.75	07.06.76	4-6	Incl. leave
	916810	LSATW(O) (Ex Weap)	ALBATROSS	50			28.07.75	03.10.75	6-12	
	917910	Adv ATW	ALBATROSS	170 (incl 10 NBCD)	PENGUIN	NBCD ENG.	13.01.75 27.01.75	24.01.75 03.10.75	4-6	Incl. leave
	916910	Adv ATW(O) (Ex Weap)	ALBATROSS	180 (incl 10 NBCD)	PENGUIN	NBCD ENG.	03.02.75 17.02.75	14.02.75 31.10.75	4-6	Incl. leave
	916930	POATA3 (MECH AE)	NIRIMBA	46 wks			18.07.75	1976	4	
	916940	POATW3	NIRIMBA	46 wks			18.07.75	1976	4	

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
AIR ENGINEERING CAREER & PCT		(MECH W)								
	916430	A4 SEAC	ALBATROSS	15	ALBATROSS	ENG.	15.09.75	03.10.75 and as arranged	4-12	
	916440	S2E SEAC	ALBATROSS	15	ALBATROSS	ENG.	15.09.75	03.10.75 and as arranged	4-12	
	916460	31B SEAC	ALBATROSS	15	ALBATROSS	ENG.	15.09.75	03.10.75 and as arranged	4-12	
	916400	Sea King SEAC	ALBATROSS	NK	ALBATROSS	ENG.	T.B.P.		4-12	
	916410	A4 AEAC	ALBATROSS	15	ALBATROSS	ENG.	as arranged		4-12	
	916560	S2E AEAC	ALBATROSS	15	ALBATROSS	ENG.	as arranged		4-12	
	916570	31B AEAC	ALBATROSS	15	ALBATROSS	ENG.	as arranged		4-12	
	916580	Sea King AEAC	ALBATROSS	NK	ALBATROSS	NG.	T.B.P.		4-12	
	916220/ 917580	TOWATA/ C/W	CERBERUS	40	CERBERUS ALBATROSS		25.08.75 13.10.75	06.10.75 24.10.75		
916290	A4G	ALBATROSS	20			07.10.75	04.11.75	2-6		



Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
		SEAC Armament					and as arranged			
	916300	S2E SEAC Armament	ALBATROSS	10			07.10.75	20.10.75	2-6	
	916310	31B SEAC Armament	ALBATROSS	5			07.10.75	14.10.75	2-6	
	916590	MK50 SEAC Armament	ALBATROSS	5			T.B.P.		2-8	
	916630	MK50 AEAC Armament	ALBATROSS	10			T.B.P.		2-8	
	917480	A4G SEAC W	ALBATROSS	15			07.10.75	27.10.75	2-6	
	917490	S2E SEAC W	ALBATROSS	15			07.10.75	27.10.75	2-6	
	917500	31B SEAC W	ALBATROSS	15			07.10.75	27.10.75	2-6	
	916640	MK50 SEAC W	ALBATROSS	20			T.B.P.			
	916650	MK50 AEAC W	ALBATROSS	25			T.B.P.			

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
	916660	A4G AEAC W	ALBATROSS	20			As arranged			
	916670	S2E AEAC W	ALBATROSS	20			As arranged			
	916680	31B AEAC W	ALBATROSS	20			As arranged			
	917520	A4G SEAC C	ALBATROSS	20			07.10.75	04.11.75	2-6	
	917530	S2E SEAC C	ALBATROSS	20			07.10.75	04.11.75	2-6	
	917540	31B SEAC C	ALBATROSS	20			07.10.75	04.11.75	2-6	
	916690	MK50 SEAC C	ALBATROSS	20			T.B.P.			
	957000	MK50 AEAC C	ALBATROSS	25			T.B.P.			
	957010	A4G AEAC C	ALBATROSS	20			as arranged			
	957020	S2E AEAC C	ALBATROSS	20			as arranged			
	957030	31B AEAC C	ALBATROSS	20			as arranged			
	916550	SEAC	ALBATROSS	30			04.08.75	12.09.75		

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
SUPPLY & SECRETARIAT PROMOTION	917470	SE Adv Air Admin	ALBATROSS	10			as arranged			
	NN	SEAC Arm.	ALBATROSS	70			T.B.P.			
	919910	Adv WTR	CERBERUS	30 (incl 10 NBCD)	PENGUIN	NBCD	07.07.75 22.07.75	18.07.75 15.08.75	6-10	Combined 907970
	919940	Adv SN	CERBERUS	25 (incl 10 NBCD)	PENGUIN	NBCD	14.07.75 23.06.75	25.07.75 11.07.75	6-10	
	919920	Adv CK	CERBERUS	30 (incl 10 NBCD)	PENGUIN	NBCD	06.10.75 20.10.75	17.10.75 14.11.75	4-6	Combined 907710
	919930	Adv STD	CERBERUS	25 (incl 10 NBCD)	PENGUIN	NBCD	03.11.75 17.11.75	14.11.75 05.12.75	6-10	Combined 907990
	919710	WTR	CERBERUS	85 (incl 5 NBCD)			12.05.75 30.06.75 15.09.75 20.10.75	05.09.75 24.10.75 06.02.76 12.03.76	6-9	Combined
	919740	SN	CERBERUS	45 (incl 5 NBCD)			22.07.75 13.10.75	19.09.75 19.09.75	6-10	

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
	919750	SV	CERBERUS	45 (incl 5 NBCD)			28.07.75 13.10.75	26.09.75 12.12.75	6-10	Combined 907780
	919730	STD	CERBERUS	30 (incl 5 NBCD)			17.06.75 28.07.75 01.09.75 13.10.75 28.07.75 01.09.75 13.10.75	25.07.75 05.09.75 10.10.75 21.11.75 05.09.75 10.10.75 21.11.75	8-12	* Combined 907790
	919720	CK	CERBERUS	65 (incl 5 NBCD)			28.04.75 28.07.75 08.09.75	25.07.75 24.10.75 05.12.75	6-8	Combined 907710
	919830	Small Ships Cooks	CERBERUS	5			as arranged		3-	
	921920	PO MUSN	CERBERUS	110 (incl 10 NBCD)	PENGUIN CERBERUS	NBCD	07.07.75 21.07.75	18.07.75 19.12.75	2-4	
MUSICIAN PROMOTION	921700/10/20	MUSN	CERBERUS	400 (incl 5 NBCD)			06.01.75	1976	25	
MEDICAL PROMOTION	918710	ABMED	CERBERUS	130 (incl 5 NBCD)			13.01.75 14.04.75 21.10.75	11.07.75 10.10.75 1976	20	Combined 907960

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
MEDICAL CAREER & PCT	918200	Lab Assistant	CERBERUS	280		PENGUIN for a. Army (80) b. Public Hospital (140)		as arranged		
	918220	X-Ray	CERBERUS	190		PENGUIN for Public Hosp. (130)		as arranged		
	918240	ORA	CERBERUS	140		PENGUIN for Public Hosp. (80)		as arranged		
	918260	AV Med	ALBATROSS	50			12.05.75 25.08.75	18.07.75 31.10.75		
	918330	UW Med	PENGUIN	130			13.01.75	01.08.75		
	918360	Hygiene Inspector	RAAF							Arranged by DEFNAV
	918380	Dispenser	CERBERUS	190					2	
	918020	Isolated Billet PCT	CERBERUS							
DENTAL PROMOTION	918370	ABDEN	CERBERUS	85 (incl 5 NBCD)			04.08.75	28.11.75	2-6	Combined WRANS
DENTAL	918410	Dental	CERBERUS	85			28.07.75	21.11.75	7-12	Includes

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
CAREER & PCT		Hygienist								RAAF & Army
MISCELLANEOUS	902600/610	WOSK WOMC	CERBERUS	0			08.07.75 04.11.75	15.08.75 12.12.75	12-18	) ) CPO
	902340	PO Management	CERBERUS	20			01.07.75 29.07.75 09.09.75 07.10.75 11.11.75	25.07.75 22.08.75 03.10.75 31.10.75 05.12.75	12-18	
NAVAL POLICE	998018	New Entry	KUTTABUL	30			18.08.75 10.11.75	26.09.75 19.12.75	4-15	
	998090	Professional Technique	KUTTABUL	25			23.06.75 06.10.75	26.09.75 07.11.75		Replaces 998990
SECURITY	903410	Security Acquaint	DEFNAV	2	PENGUIN		11.08.75 10.11.75	12.08.75 11.11.75		
EDUCATION	902000	Teachers Certificate	LEEUWIN	3 yrs			11.02.75	- 12.12.75	-4	
	902500	SGCE Prep	LEEUWIN	95			14.07.75	21.11.75	-18	
	902510	Matric Prep	LEEUWIN	18 mths			- 14.07.75	05.12.75 03.12.76	-20	

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Branch or Group	EDP NO.	Course	Conducting Establish-ment	Duration in days	Supporting Establish-ment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
TRAINING TECHNOLOGY	903600	Instr. Course	CERBERUS	8			30.06.75	09.07.75	1-16	
							09.07.75	18.07.75		
							28.07.75	06.08.75		
							06.08.75	15.08.75		
							18.08.75	27.08.75		
							23.09.75	02.10.75		
							13.10.75	22.10.75		
							22.10.75	31.10.75		
							10.11.75	19.11.75		
							19.11.75	28.11.75		
01.12.75	10.12.75									
	903660	Training Analysis	CERBERUS	5			28.07.75	01.08.75	1-16	ALBATROSS
							06.10.75	10.10.75		
							20.10.75	24.10.75		
							17.11.75	21.11.75		
	903630	Training Systems Acquaint	CERBERUS	10			09.07.75		1-16	ALBATROSS ALBATROSS ALBATROSS NIRIMBA NIRIMBA
							28.07.75			
							06.08.75			
							18.08.75			
							23.09.75			
							06.10.75			
							13.10.75			
							20.10.75			
							22.10.75			
							10.11.75			
17.11.75										
01.12.75										
	903670	Training Design	CERBERUS	5			04.08.75	08.08.75	1-16	ALBATROSS
							13.10.75	17.10.75		
							27.10.75	31.10.75		

Branch or Group	EDP NO.	Course	Conducting Establish-ment	Duration in days	Supporting Establish-ment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks													
NBCD	903640	Quality Control	CERBERUS	10			24.11.75	28.11.75	6-12	NIRIMBA Pre-requisite: Instructor Course 903600 LEEWIN WATSON NIRIMBA													
							23.06.75	04.07.75															
							14.07.75	25.07.75															
							22.09.75	03.10.75															
							10.11.75	21.11.75															
							As required for category courses and as arranged																
							As required for promotion courses and as arranged																
							DIVING	902400			STD NBCD	PENGUIN	5			Weekly - as arranged		2-8					
																902410	Adv NBCD			PENGUIN	10	As required for promotion courses and as arranged	
																						903200	Ships Diver
NN	A1ETC	CERBERUS	13	10.11.75	21.11.75																		
				28.07.75	08.08.75																		
NN	A2MTL	CERBERUS	13	04.08.75	15.08.75																		
NN	A2ETC	CERBERUS	13	18.08.75	29.08.75																		
NN	MTL	CERBERUS	13	10.11.75	21.11.75																		
RANR	NN	ETC	CERBERUS	13			28.07.75	08.08.75	2-8														
							01.12.75	12.12.75															

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
WRANS	NN	PBAMTL	CERBERUS	13			06.10.75	17.10.75	208	
	NN	ABETC/AETC	CERBERUS	13			27.10.75	07.11.75	2-8	
	NN	PBMTL	CERBERUS	13			01.09.75	12.09.75	2-8	
	951910	POQMG	CERBERUS	13			27.09.75	07.10.75	4-12	
	951710	ABQMG	CERBERUS	13			25.08.75	05.09.75	4-12	
	NN	RO	CERBERUS	13			20.10.75	02.11.75	3-12	
	907700	Recruit	CERBERUS	24			01.07.75 05.08.75 16.09.75 28.10.75	01.08.75 05.09.75 17.10.75 28.11.75	20-40	
	907910	POWRCK	CERBERUS	20			20.10.75	14.11.75	4-6	Combined with 919920
	907970	POWRWTR	CERBERUS	20			22.07.75	15.08.75	6-10	Combined with 919910
	907990	POWRSTD	CERBERUS	15			17.11.75	05.12.75	6-10	Combined with 919930
	907900	POWRRPWA	ALBATROSS	13	RANTAU ALBATROSS		08.09.75 15.09.75	12.09.75 24.09.75		

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
	907930	POWRRST	CERBERUS	22			08.07.75	05.08.75	3-8	
	907940	POWRRSS	HARMAN	70	HARMAN LONSDALE		10.06.75 01.09.75	29.08.75 05.09.75	1-2	Combined with 912930
	907800	LWRRPWA	ALBATROSS	20	HARMAN LONSDALE RANTAU ALBATROSS		08.09.75 08.12.75 17.11.75 24.11.75	05.12.75 12.12.75 21.11.75 28.11.75		
	907830	LWRREG	CERBERUS	65			01.04.75	02.07.75		
	937710	WRCO	CERBERUS	30			17.06.75 04.08.75 08.09.75 20.10.75	28.07.75 12.09.75 20.10.75 01.12.75	6-16	
	937730	WRROT	CERBERUS	36			14.05.75 19.06.75 29.07.75 15.09.75 21.10.75	01.07.75 06.08.75 15.09.75 05.11.75 09.12.75	4-10	
	937740	WRROS Sect B	HARMAN	115			19.02.75 07.04.75 20.06.75 30.07.75 15.09.75 03.12.75	05.08.75 16.09.75 29.11.75 06.02.76 19.03.76 25.06.76	5-8	

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
	907720	WRRP	WATSON	25-45			30.06.75 17.08.75 15.09.75	12.09.75 24.10.75 28.11.75		Combined with 911750
	907710	WRCK	CERBERUS	60			05.05.75 04.08.75 15.09.75	25.07.75 24.10.75 05.12.75	6-8	Combined with 919720
	907770	WRWTR	CERBERUS	80			19.05.75 30.06.75 23.09.75 27.10.75	05.09.75 17.10.75 06.02.76 12.03.76	6-9	Combined with 919710
	907780	WRSV	CERBERUS	40			04.08.75 20.10.75	26.09.75 12.12.75	6-10	Combined with 919750
	907790	WRSTD	CERBERUS	25			04.08.75 08.09.75 20.10.75	05.09.75 10.10.75 21.11.75	8-12	Combined with 919730
	907960	WRMED Sec A	CERBERUS	60			14.04.75 21.10.75	04.07.75 1976		
	937760	WRMED Sec B	CERBERUS	60			08.04.75 07.07.75	04.07.75 03.10.75		

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
	907730	WRMTD	ALBATROSS	30			04.08.75 15.09.75 27.10.75	12.09.75 24.10.75 05.12.75	4-16	Combined with 902310
	907740	WRRPWA	ALBATROSS	20	CERBERUS	RANTAU ALBATROSS	29.09.75 13.10.75 27.10.75	10.10.75 24.10.75 07.11.75		
	907040	WRETC 1	CERBERUS	150	CERBERUS	HARMAN	05.11.74 05.06.75	02.06.75 03.07.75	-8	Combined with 914750 914780 924160
					CERBERUS	HARMAN	13.01.75 25.07.75	22.07.75 22.08.75		914800
					CERBERUS	HARMAN	12.05.75 17.11.75	13.11.75 12.12.75		
					CERBERUS	HARMAN	07.07.75 09.02.76	05.02.76 -		
					CERBERUS		27.10.75	-		
	947740	LWRRP/ WRRP PCT	WATSON	15			as arranged			
	902210	Shorthand Refresher	DEFNAV				as arranged			
	907330	WRRPNCS	WATERHEN				as arranged			
	907300	WRRP NAV YEO	WATSON	20			25.08.75	19.09.75		Combined with 911010





Historian  
Victoria Barracks  
Melbourne

# AUSTRALIAN NAVY ORDERS

- 200/75
- 201/75
- 202/75
- 203/75

## SECTION 2—PERSONNEL

- 204/75
- 205/75
- 206/75

Navy Office, Canberra,  
4 August 1975.

The enclosed orders are promulgated for information, guidance and necessary action.

## SECTION 4—EQUIPMENT, STORES AND SERVICING

- 207/75
- 208/75
- 209/75

By direction of the Naval Board,

## AMENDMENTS

- 211/75
- 212/75
- 213/75

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY



AUSTRALIAN  
NAVY ORDERS

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

200/75—Australian Honours and Awards

The Admiralty order of precedence of honours and awards issued on 21 May 1975 is shown below.

CONTENTS

No Title

SECTION 1—ADMINISTRATIVE AND GENERAL

- 200/75 Australian Honours and Awards.
- 201/75 Prize—Entry 1/73 Supplementary List Seaman Midshipman.
- 202/75 SARBE Mk 5—Introduction to RAN Service.
- 203/75 The Thurlow Navigation Award.

SECTION 2—PERSONNEL

- 204/75 Extensions of Full-time Service.
- 205/75 Naval Allotments—EDP—Lost Cheques.
- 206/75 Officers—Responsibilities of Weapons Electrical Engineer Officers and Division of Responsibilities with User Officers.
- 207/75 Will not be issued.

SECTION 4—EQUIPMENT, STORES AND SERVICING

- 208/75 Accounting for Stores—Filing of Permanent Loan Record in Ledgers.
- 209/75 Machinery—Condition on Return for Overhaul.
- 210/75 Standardised 'PROHIBITED AREA' Signs.

AMENDMENTS

- 211/75 Allowances of Publications for Patrol Boats and Operating and Maintenance Bases.
- 212/75 Dental Expenses of Dependants Accompanying Members on Long Term Duty Overseas.
- 213/75 Introduction of Facility to Demand Stores on 'Fill or Kill' Basis.

Additional copies of Navy Orders may be readily obtained by:

- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- b. writing to 'Secretary, Department of Defence (Navy Office). Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 4718.

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

200/75—Australian Honours and Awards

The Australian order of precedence of Honours and Awards which took effect from 27 May 1975 is shown below:

- Victoria Cross
- George Cross
- Cross of Valour
- Knight of the Garter
- Knight of the Thistle
- Knight Grand Cross of the Order of the Bath
- Order of Merit
- Knight Grand Cross of the Order of St Michael and St George
- Knight Grand Cross of the Royal Victorian Order
- Knight Grand Cross of the Order of the British Empire
- Companion of the Order of Australia
- Companion of Honour
- Knight Commander of the Order of the Bath
- Knight Commander of the Order of St Michael and St George
- Knight Commander of the Royal Victorian Order
- Knight Commander of the British Empire
- Knight Bachelor
- Officer of the Order of Australia
- Companion of the Order of the Bath
- Companion of the Order of St Michael and St George
- Commander of the Royal Victorian Order
- Commander of the Order of the British Empire
- Star of Courage
- Companion of the Distinguished Service Order
- Member of the Order of Australia
- Member of the Royal Victorian Order (4th Class)
- Officer of the Order of the British Empire
- Companion of the Imperial Service Order
- Member of the Royal Victorian Order (5th Class)
- Member of the Order of the British Empire
- Royal Red Cross (1st Class)
- Distinguished Service Cross
- Military Cross
- Distinguished Flying Cross
- Air Force Cross
- Royal Red Cross (2nd Class)
- Distinguished Conduct Medal
- Conspicuous Gallantry Medal
- George Medal
- Bravery Medal
- Queens Police Medal for Gallantry
- Queens Fire Service Medal for Gallantry

CONTENTS

SECTION 1—ADMINISTRATIVE AND GENERAL

- 200/75 Australian Honours and Awards
- 201/75 First-Lady 1973 Supplement to the Honours List
- 202/75 SARRE MR 2—Introduction to RAN Service
- 203/75 The Thomas Navigation Award

SECTION 2—PERSONNEL

- 204/75 Allocation of Police Service
- 205/75 New Alotment—EDT—Last Chapter
- 206/75 Orders—Responsibilities of Weapons Transport Officers and Div-  
ision of Responsibility with Last Chapter
- 207/75 Will not be issued

SECTION 4—EQUIPMENT, STORES AND SERVICES

- 208/75 Accounting for Stores—Form of Payment Form Record to Ledger
- 209/75 Machinery—Condition on Return on Overseas
- 210/75 Restricted Prohibited Area Sign

AMENDMENTS

- 211/75 Allowance of Publications for Patrol Boats and Operations and Maintenance
- 212/75 Terms Expires of Dependence Accompanying Members on Long Term Duty
- 213/75 Introduction of Facility to Demand Store on P/B or X/B Bank

Distinguished Service Medal  
 Military Medal  
 Distinguished Flying Medal  
 Air Force Medal  
 Queens Gallantry Medal and British Empire Medal  
 Queens Police Medal for Distinguished Service  
 Queens Fire Service Medal for Distinguished Service  
 Commendation for Brave Conduct

Queens Commendation for Brave Conduct

National Medal

War Medals

Polar Medal

Royal Victorian Medal

Imperial Service Medal

Long Service Medals.

(251/1/47)

#### UNCLASSIFIED

##### 201/75—Prize—Entry 1/73 Supplementary List Seaman Midshipman

The United Services Institution of Victoria Prize for Midshipman SLEX entry 1/1973 has been awarded to:

ASLT SLEX D. G. Knight, RAN.

(N381/1/10)

#### UNCLASSIFIED

##### 202/75—SARBE Mk 5—Introduction to RAN Service

1. With effect from 1 July 1975 the SARBE Mk 3 distress beacon provided for RAN aircrew will be progressively replaced with the SARBE Mk 5.

2. The operating characteristics of the SARBE Mk 5 have been modified as in Paragraph 4 below to ensure the optimum condition for an accurate homing by aircraft and ships fitted with homing equipment.

3. Characteristics of the SARBE Mk 5 are as follows:

a. *Emergency Mode*—Continuous carrier wave output signal on 243.0 MHz or R/T on 243.0 if speech transmit or receive facility is operated.

b. *Auxiliary Mode*—Provides R/T function only, on 282.8 MHz.

4. The familiar interrupted carrier wave signal of the SARBE Mk 3 is replaced by a continuous carrier wave signal in the SARBE Mk 5.

(1510/25/21)

#### UNCLASSIFIED

##### 203/75—The Thurlow Navigation Award

1. Through the Australian Institute of Navigation, the American Institute of Navigation has advised that Service personnel and civilians employed by the Department of Defence (Navy Office) are eligible for nomination for 'The Thurlow Navigation Award'. This Award takes the form of a bronze plaque, given in memory of a brilliant engineer, Colonel Thomas L. Thurlow.

2. Excerpts from the American Regulations regarding the Award are:

"The purpose of the Award is to stimulate the development of the Science of Navigation.

The winner shall be elected by secret ballot by members of the "Award Selection Committee" after careful consideration of all candidates. The election shall take place on or before 15 May, of each year.

Practicability shall be the essence of the Award and with this as a criterion the merits of candidates for the Award shall be considered with respect to the following, given greatest weight to the first and consideration to the other points in descending order of importance:

- a. An outstanding invention or design of equipment which applies to the science of navigation.
- b. An outstanding method developed for use in navigation.
- c. Outstanding research or study relating to navigation.

In the selection of a recipient for the Award, preference shall be given to candidates whose works assume prominence and importance during the last calendar year previous to the presentation of the Award.'

3. Personnel wishing to nominate for the Award are to forward full particulars to the Department of Defence (Navy Office), through normal naval or departmental channels by 1 November each year.

4. Navy Order 128/72 is hereby cancelled.

(38/3/3)

(Navy Order 128/72)

## Section 2

### PERSONNEL

#### UNCLASSIFIED

##### 204/75—Extensions of Full-time Service

1. The Naval Board have reviewed the conditions under which members of the Permanent Naval Forces may be granted extensions of full-time service, either beyond retiring age or, in some instances, beyond expiration of short service appointments or engagements, and has decided that such extensions will be considered only in the following circumstances:

- a. where there is clearly a need to continue a member's service in the interests of the Service, such as in a critical manning situation;
- b. where by serving for a short further period a member would qualify for an initial benefit such as entitlement to a DFRDB pension or furlough.

2. Extensions of service to enable members to gain higher benefits, for example to complete an additional year for pension or furlough purposes, will not be considered.

3. Commanding Officers are to ensure that this order is given wide promulgation to officers and sailors.

(N456/1/19)

UNCLASSIFIED

**205/75—Naval Allotments—EDP—Lost Cheques**

1. Cheques for payment of naval allotments to individual persons are prepared and dispatched by the Accounting Office, Australian Treasury, Canberra, ACT, on the basis of information supplied by the Director of Naval Accounts.

2. Any changes of addresses of allottees should therefore be furnished to the Director of Naval Accounts, Department of Defence (Navy Office), Melbourne, as early as practicable and allottees should also arrange for their change of address to be recorded at the Post Office in order that any cheque dispatched to their old addresses may be redirected.

3. The Accounting Office, Australian Treasury, Canberra, is solely responsible for the issue of replacement cheques in cases where cheques have not been received or where they are lost or destroyed after receipt. The replacement action will be taken only on receipt of advices direct from allottees.

4. Personnel with allotments payable by cheque should be instructed to inform their allottees that should a cheque not be received or become lost, immediate advice of the circumstances is to be furnished by letter to the Director, Accounting Office, Australian Treasury, Parkes Place, Canberra, ACT 2600, with a request for the issue of a duplicate cheque. The letters which are to include the name of the member, his personal number, the name and address of the allottee and the amount of the cheque should not be forwarded to the Director of Naval Accounts.

5. In normal circumstances there is a delay of seven to ten days from the receipt of advice from the allottee until the issue of a duplicate order.

6. On receipt of advice of a lost or missing cheque the Accounting Office, Australian Treasury, Canberra, will lodge a stop payment notice on the original cheque with the Reserve Bank.

7. In cases where an original cheque is located or received after advice of loss or non-receipt has been forwarded, allottees should immediately advise the Director, Accounting Office, Australian Treasury, Canberra, as the original cheque is not negotiable whilst the stop payment notice applies.

8. Attention of personnel is again drawn to the facilities of payment of allotments in respect of dependants to bank accounts.

9. This order will be reprinted for posting on notice boards.

10. Navy Order 194/72 is hereby cancelled.

(271/53/51)

(Navy Order 194/72)

UNCLASSIFIED

**206/75—Officers—Responsibilities of Weapons Electrical Engineer Officers and Division of Responsibilities with User Officers**

1. The Naval Board have approved changes in the organisation and responsibilities of the Engineering Branches. The responsibilities of Weapons Electrical Officers and the divisions between their responsibilities and those of user officers of weapons, weapon systems and radio equipment are as stated in Annexes A and B to this order.

2. Navy Order 180/72 is hereby cancelled.

**ANNEXE A****Responsibilities of the Weapon Electrical Engineer Officer**

The Weapon Electrical Engineer is responsible to the Command for:

- a. Material responsibility for weapons, including mechanical, electrical, radio and other tactical systems and equipment required to fight the ship. He is the professional authority in the field of electrical engineering.
- b. The custody, safety, stowage and movement of explosives when they have been delivered for assembly in, or are integral parts of a guided weapon or other electronically controlled devices which require maintenance, testing or skilled fitting.
- c. Maintenance of all radio equipment and electrical and electronic systems fitted to aircraft.
- d. The efficiency, availability, maintenance and custody of the systems concerned. The correct functioning of all radio and navigational equipment and internal communications necessary for the safety of the ship or aircraft are to receive his special attention. On all occasions before getting under way, he is to satisfy himself that such equipment is functioning correctly and is to make a report to this effect to the Commanding Officer.
- e. Divisional duties, training and supervision of the work of all sailors in the Weapon and Electrical Engineering Department.
- f. Ensuring that the maintenance program and repair requirements for weapons, weapon systems, electrical and radio equipment are efficiently related to operational and exercise requirements; he is to keep in close touch with the officers concerned.
- g. The generation, distribution and control of electric power (excluding the prime mover).
- h. Ensuring (in conjunction with the Marine Engineer Officer) that a sufficient reserve of power is available to meet all requirements which can be foreseen; due regard being paid to economy and to the existing circumstances.
- i. All electric motors and associated equipment connected with main propulsion and auxiliary machinery.
- j. The equipment associated with the distribution of electric power including primary supply cable to equipment.
- k. All electric lighting, heating and other power circuits.

**ANNEXE B****Responsibility for Weapons, Weapon Systems and Radio Equipment**

The broad division of responsibility under the Command for weapons, weapon systems and radio equipment is as follows:

- a. The Seaman Officer concerned continues to be responsible for:
  - (1) the use of weapons, radio and other tactical equipment;
  - (2) the operational training, efficiency and readiness of the weapon system operators;
  - (3) advising on the tactical use of weapons, radio and other tactical equipment;

ANNEXE B—*continued*

(4) the custody, safety, stowage and movement of all explosives except when these responsibilities are assumed by a Technical Officer as outlined in Sub-paragraphs b. (2) and c. (3) below;

(5) custody and safety of small arms and ancillary equipment.

b. The Weapon Electrical Engineer Officer is responsible for:

(1) the custody, maintenance, efficiency and availability of weapons, radio and other tactical equipment;

(2) the custody, safety, stowage and movement of explosives when they have been delivered for assembly in, or are an integral part of a guided weapon, or other electronically controlled device which requires maintenance, testing or skilled fitting;

(3) technical advice and training.

c. The Air Engineer Officer posted for air ordnance duties is responsible for:

(1) the availability and efficiency of air weapon installations and aircraft weapons which require maintenance, testing and skilled fitting;

(2) loading, and unloading of all air weapons on to, and from aircraft;

(3) the custody and safety, stowage and movement of air explosives during testing and assembly in, or where they are an integral part of a weapon or other electronically controlled device which requires maintenance, testing or skilled fitting and the custody and safety of other explosives when they have been delivered at an assembly point for attachment to aircraft.

(303/201/43)

(Navy Order 180/72)

UNCLASSIFIED

207/75—Will not be issued

#### Section 4

### EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

#### 208/75—Accounting for Stores—Filing of Permanent Loan Record in Ledgers

1. This order introduces a revised method of filing Permanent Loan Record pages to that promulgated in ABR 4 Article 1804 (4). In future the Permanent Loan Record pages, Forms SA305 and SA307, are to be maintained in a separate sequence from other ledger pages, and are to be filed department by department, pages for each department being filed in accordance with ABR 4 Article 1806. This instruction does not apply where ledger pages in the SA103/SA112 series are in use.

2. The revised method is to be implemented on the occasion of the next permanent loan list comparison and muster.

3. ABR 4 will be amended.

(N20/4/19)

UNCLASSIFIED

#### 209/75—Machinery—Condition on Return for Overhaul

1. Unnecessary expenditure is being incurred in the overhaul of internal combustion engines due to certain components being retained by users.

2. Ships and Dockyard Officers are to ensure that engines returned for overhaul are complete in all respects and that in particular, starter motors, generators, starting handles, control and instrument panels, gauges, thermometers, etc, which are often disconnected from the engines to facilitate slinging, etc, are replaced before the engines are dispatched.

(1100/70/48)

UNCLASSIFIED

#### 210/75—Standardised 'PROHIBITED AREA' Signs

1. Perimeter warning signs with standard wording and of standard specification are available on demand. These signs as well as being durable and legally correct are suitable for use in both commissioned and non-commissioned establishments.

2. Where a requirement exists for warning signs to be erected around the perimeter of establishments in accordance with ABR 5016 (RI) Article 5613 they are identified as follows:

Class	Catalogue No	Description	Unit of Issue	Acctg Classn
9905	66-056-0767	SIGN AUSTRALIAN GOVERNMENT. TRESPASSING UPON OR SHOOTING UPON OR OVER THIS LAND IS PROHIBITED. SECTION 89, 89A OF THE CRIMES ACT 1914-1966	EA	P
9905	66-056-0355	SIGN AUSTRALIAN GOVERNMENT. TRESPASSING UPON THIS LAND IS PROHIBITED. SECTION 89 OF THE CRIMES ACT 1914-1966	EA	P

3. Signs for new establishments should be ordered through the Department of Housing and Construction. Replacement signs for ones which have become illegible should be demanded from SVSO, Depot Code 0086.

4. Navy Order 254/72 is hereby cancelled.

(400/1/1519)

(Navy Order 254/72)

AMENDMENTS

UNCLASSIFIED

211/75—Allowances of Publications for Patrol Boats and Operating and Maintenance Bases

1. Navy Order 54/75 is to be amended as follows:

ANNEXE D Part 1:

Delete: BR 1205 (50)

Insert: BR 1205.

ANNEXE E Part 2:

Delete: ABR 1997

Insert: ABR 1977.

ANNEXE F Part 1:

Insert: Asterisk preceding ABR 4.

(465/61/228)

(Navy Order 54/75)

UNCLASSIFIED

212/75—Dental Expenses of Dependants Accompanying Members on Long Term Duty Overseas

1. Navy Order 350/73 is to be amended as follows:

ANNEXE B:

Delete: rates shown for Indonesia and Singapore; and

Insert: Indonesia: \$\$ 62.00 31.00 31.10.74

Singapore: \$\$ 62.00 31.00 31.10.74.

(156/51/147)

(Navy Order 350/73)

UNCLASSIFIED

213/75—Introduction of Facility to Demand Stores on 'Fill or Kill' Basis

1. Navy Order 145/75 is to be amended as follows:

Paragraph 5, line 1, after 'generated by'

insert: 'ships undergoing'.

(N383/1/5)

(Navy Order 145/75)

Navy Orders 165/72 to 234/72 are now over three years old and may be disposed of accordingly.

AMENDMENTS

UNCLASSIFIED

211.75—Allowance of Publications for Patrol Boats and Operating and Maintenance Fees

1. Navy Order 141.75 is to be amended as follows:

- ANNEXE B Part I:  
Table III (20)
- Table III (20)
- ANNEXE B Part 2:  
Table III (20)
- Table III (20)
- ANNEXE C Part 1:  
Table III (20)

Insert Annexes preceding ABB 4

(463101228)

(Navy Order 24177)

UNCLASSIFIED

212.75—Direct Expenses of Dependents Accompanying Members on Long Term Duty Overseas

1. Navy Order 320.75 is to be amended as follows:

- ANNEXE B:  
Table III shows for Indonesia and Singapore; and  
Table IV shows for Singapore: \$2 02.00 31.10.74  
Singapore: \$2 02.00 31.10.74

(126121147)

(Navy Order 320.75)

UNCLASSIFIED

213.75—Introduction of Facility to Demand Store on FIB or RIB Basis

1. Navy Order 140.75 is to be amended as follows:

Paragraph 4 line 1 after 'inserted by' insert: 'also undergoing.'

(1981112)

(Navy Order 140.75)

They Order 102.75 to 224.75 are now over three years old and may be disposed of accordingly.

THE UNIVERSITY OF CHICAGO

DEPARTMENT OF CHEMISTRY

LABORATORY OF ORGANIC CHEMISTRY

RESEARCH REPORT

NO. 100

BY

ROBERT H. WOODWARD

1953





ANO 214/75

HISTORIAN  
VICTORIA BARRACKS  
MELBOURNE

# AUSTRALIAN NAVY ORDER

CONTENTS

Navy Office, Canberra,  
5 August 1975.

The enclosed order is promulgated for information, guidance and necessary action.

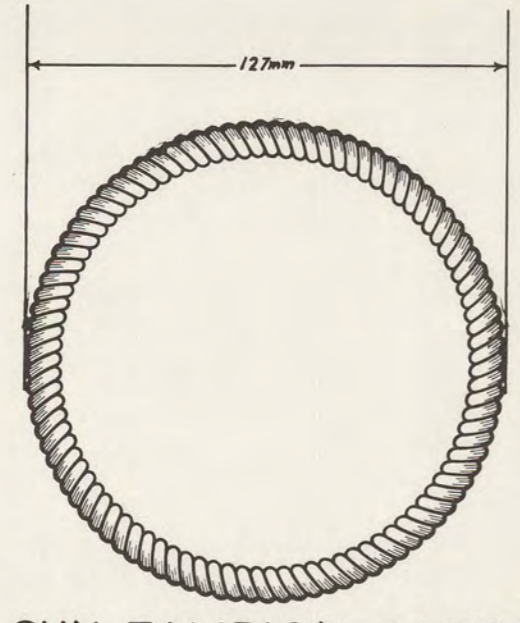
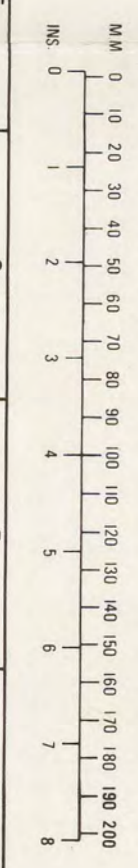
By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

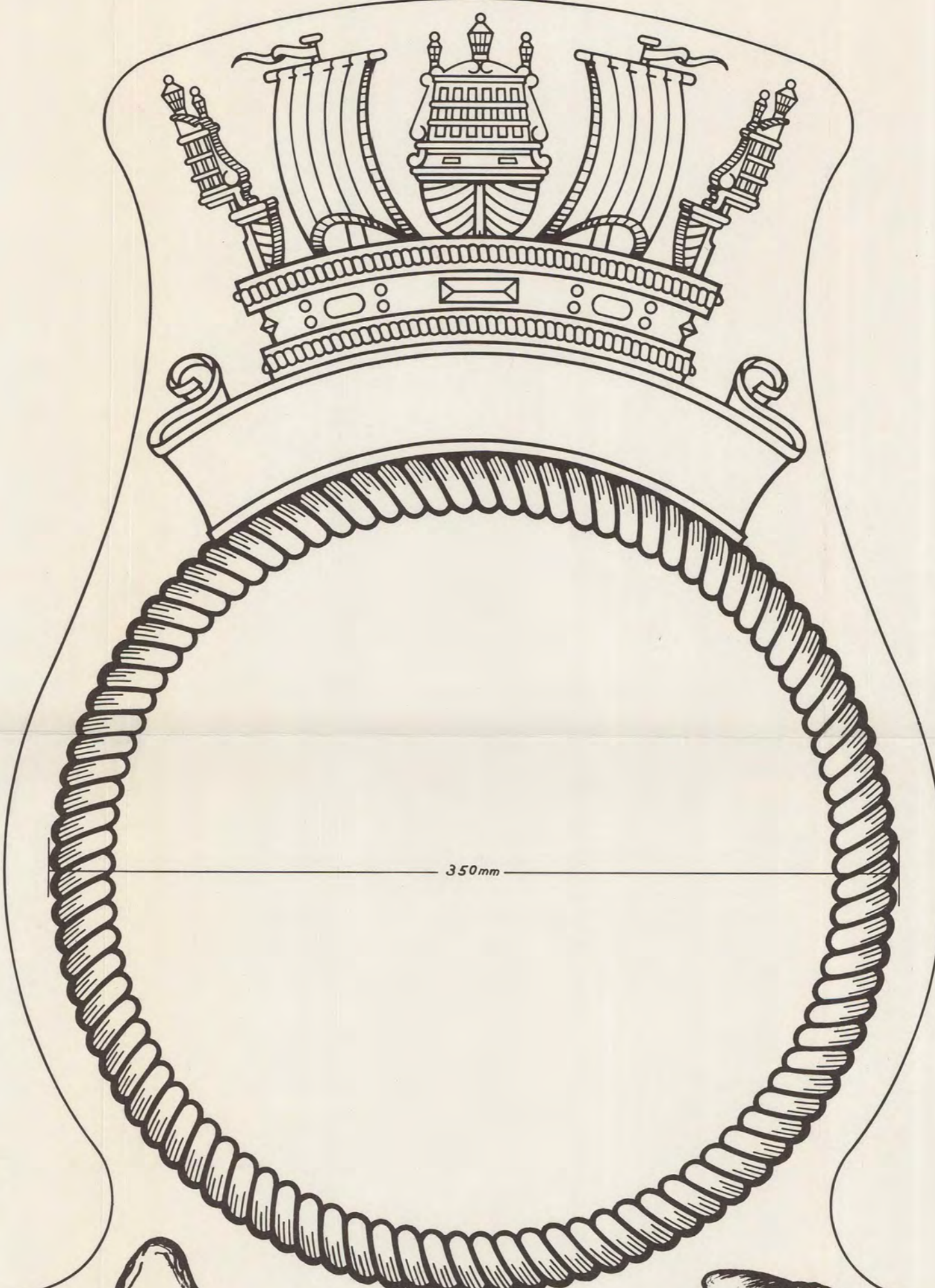
FOR OFFICIAL USE ONLY

ISSUE NO.	DATE	DESCRIPTION OF CHANGE
1		

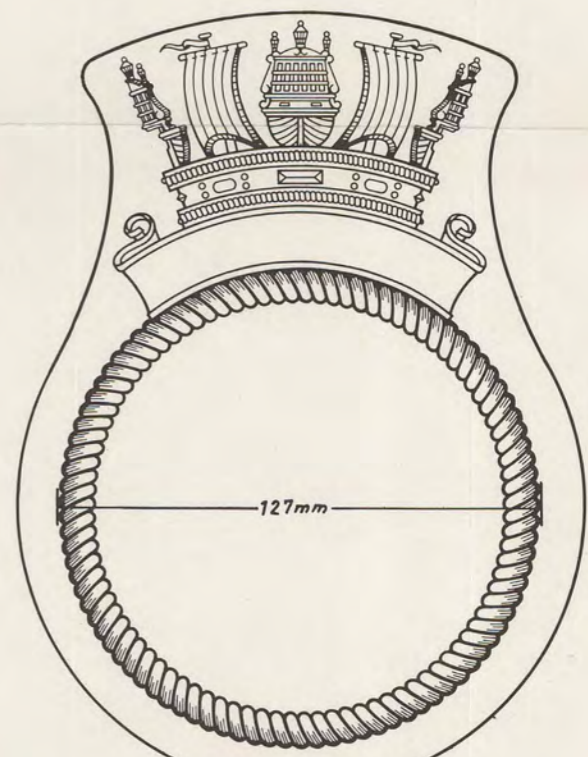
ORIGINAL ISSUE



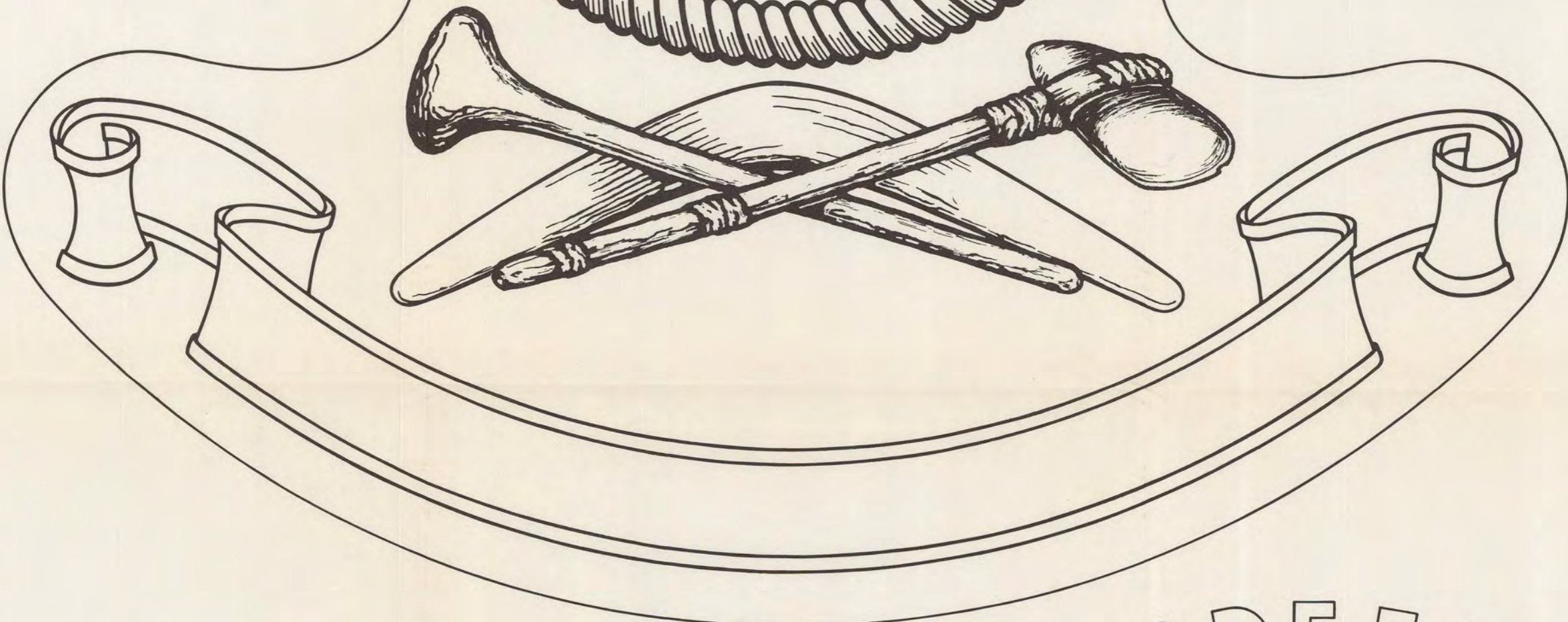
GUN TAMPION BADGE



SHIP BADGE



BOAT BADGE



**NOTES:**

- SHIPS BADGES: N2 OFF  
BOATS BADGES: N2 OFF  
GUN TAMPION BADGES: N2 OFF
- THE SHIP'S BADGE IS TO BE MANUFACTURED IN ONE PIECE OF GLASS REINFORCED PLASTIC TO THE OUTLINES SHOWN ON DRG. N2 STDP6902001N SH.2 AND IS TO BE SECURED TO THE BASE BOARD.
- THE RELIEF FOR THE MOTIF ON THE BADGE IS TO BE A MAXIMUM OF 15mm AND CARVED TO SUIT.
- THE BASE BOARD IS TO BE OF 1" THICK POLISHED MAPLE TO THE SHAPE INDICATED ON DRG. N2 STDP6902001N SH.2
- BOATS BADGE IS TO BE MADE IN RELIEF FROM GLASS REINFORCED PLASTIC IN ONE PIECE AND MOUNTED ON A 20mm THICK POLISHED MAPLE BASE AS INDICATED ON DRG. N2 STDP6902001N SH.4
- THE OUTLINES ARE TO BE AS SHOWN ON THIS SHEET MAXIMUM THICKNESS OF RELIEF IS TO BE 10mm AND IN PROPORTION TO THE RELIEFS SHOWN ON THE SHIP'S BADGE.
- APPROVED BLAZON FOR BADGE DESIGN (VIDE FILE N2...../.....)
- COLOURING THE SHIPS & BOATS BADGES ARE TO BE COLOURED AS FOLLOWS (THE NUMBERS FOLLOWING THE COLOURS ARE REFERENCES TO THE AUSTRALIAN STANDARD COLOURS AND ARE TO BE RIGIDLY ADHERED TO A.S. N185-1968).  
**COLOURING:**  
A THE CROWN: THE CIRCLE IS TO BE TINCTURED GOLD, WITH ALTERNATING RED 538 AND GREEN 228 JEWELS, THE CENTRE ONE BEING RED, AND NATURAL PEARLS. SAILS: WHITE WITH MASTS NATURAL AND PENNANTS RED 593 HALF STERNS AND STERN: NATURAL WITH GOLD CROSS-BARS AND LANTERNS AS INDICATED. WITH GOLD EDGING AND GOLD LETTERING.  
B THE ROPE CIRCLE: IS TO BE TINCTURED GOLD.  
C THE ABDORIGINAL WEAPONS: ARE TO BE THE NATURAL COLOURING OF WOOD AND STONE AS INDICATED.  
D THE FIELD:  
E THE CHARGE (OR CHARGES):  
F THE SURROUND: IS TO BE PRINTED WHITE.
- THE GUN TAMPION BADGE IS SIMILAR TO THE BOATS BADGE BUT HAS THE NAVAL CROWN & NAME SCROLL DELETED. THE METHOD OF SECURING TO THE SHIP'S TAMPIONS IS TO BE AS INDICATED ON NAVY OFFICE DRG. N2 STDP6902001N SH.5

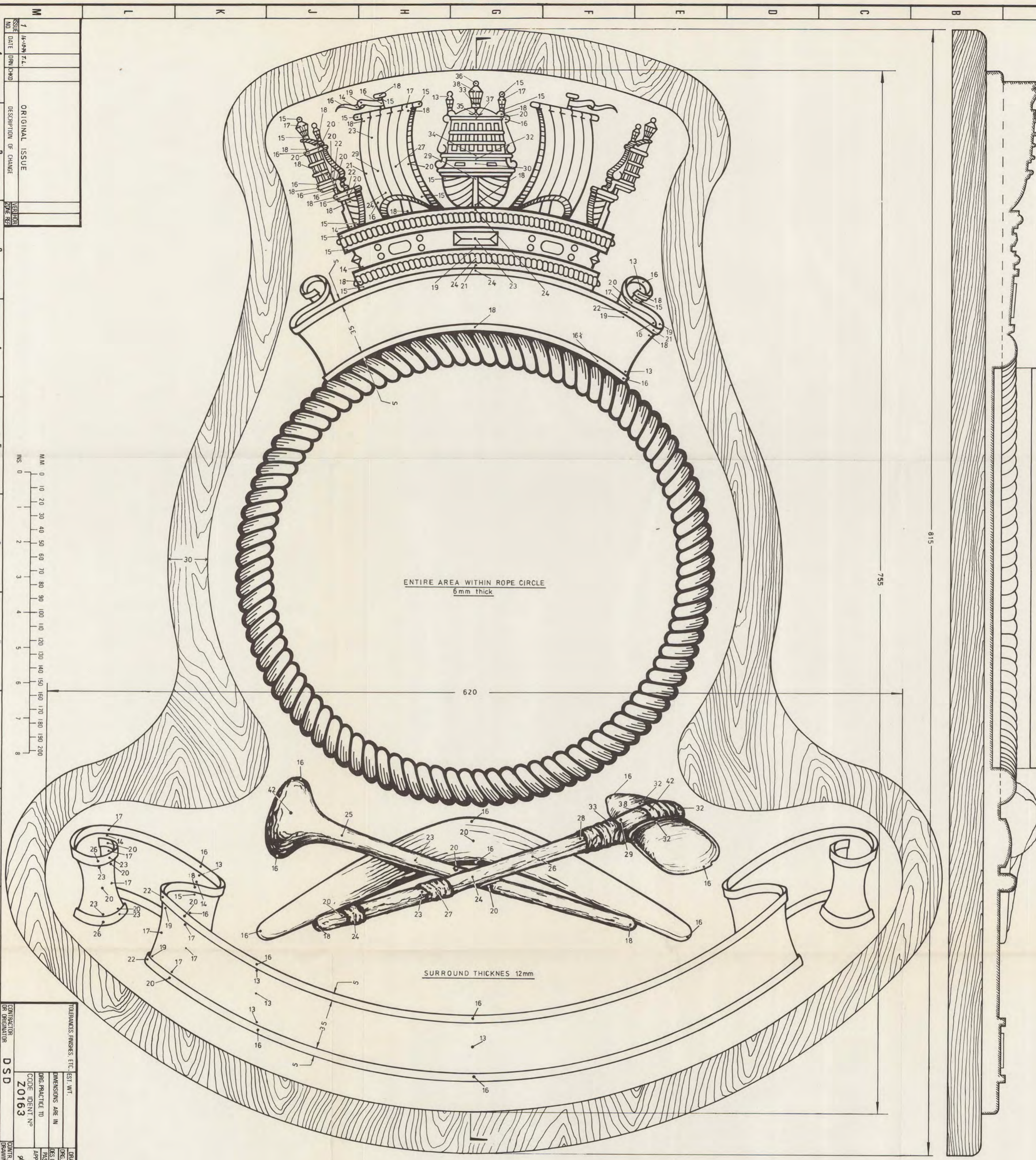
A B C D E F G H I  
J K L M N O P Q R  
S T U V W X Y Z  
A B C D E F G H I  
J K L M N O P Q R  
S T U V W X Y Z

LETTERING FORMAT FOR  
SHIP'S NAME AND MOTTO SCROLL

ANO ANNEX A

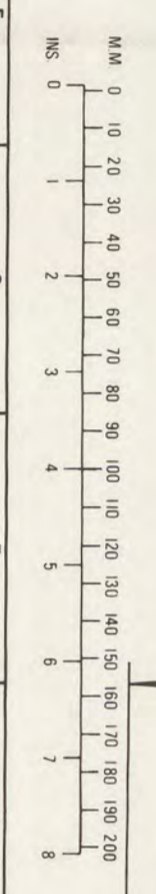
DESIGNATION OF ORGANISATION	DSD	PROJECT/SUBJECT	BADGES, SHIPS'
EST. NO.	Z0163	APPROVED RAN SURROUND	1:1 STDP6902001N
EST. WT.		SCALE DRAWING NUMBER	1d511
DIMENSIONS ARE IN MM.		CLASS.	UNCLASSIFIED
PROJ. PRACTICE TO		DEPARTMENT OF DEFENCE (NAVY)	AUSTRALIA
CODE IDENT. NO.		APPROVED	
DATE		DATE	
APPROVED		DATE	
DATE		DATE	

DRAWING NUMBER  
STDP6902001N  
1d511



ANO ANNEX B

NO	DATE	DESCRIPTION OF CHANGE
1	16/09/74	ORIGINAL ISSUE
2		

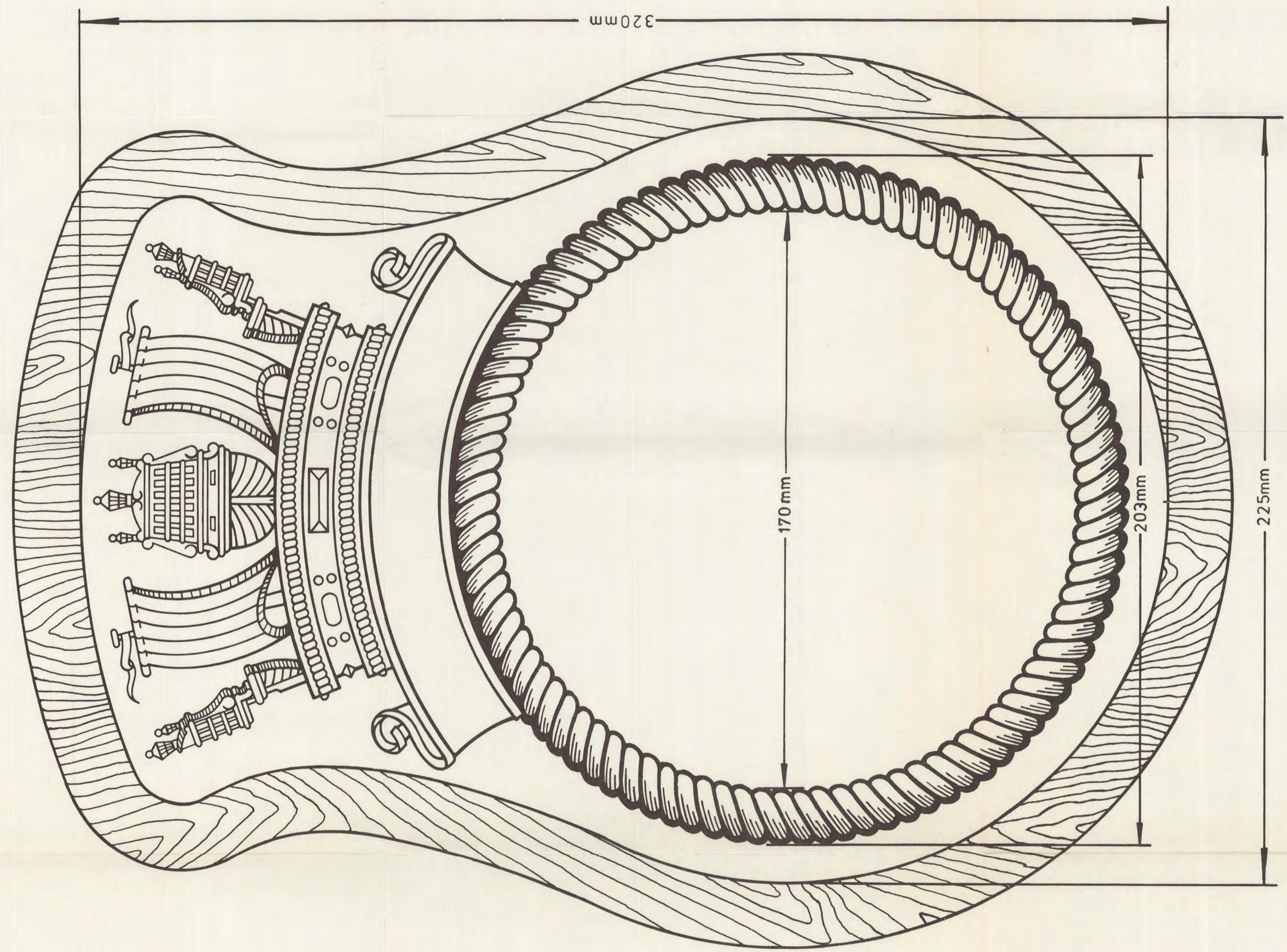


CONTRACTOR OR ORIGINATOR	DSD
DESIGNER	
CHECKED	
APPROVED	
DATE	29/01/74

DEPARTMENT OF DEFENCE (NAVY)	AUSTRALIA
PROJECT/SUP	SHIPS' BADGE
TITLE	APPROVED RAN SURROUND
SCALE	1:1
DRAWING NUMBER	STDP6902001N
SHEET NUMBER	2/1



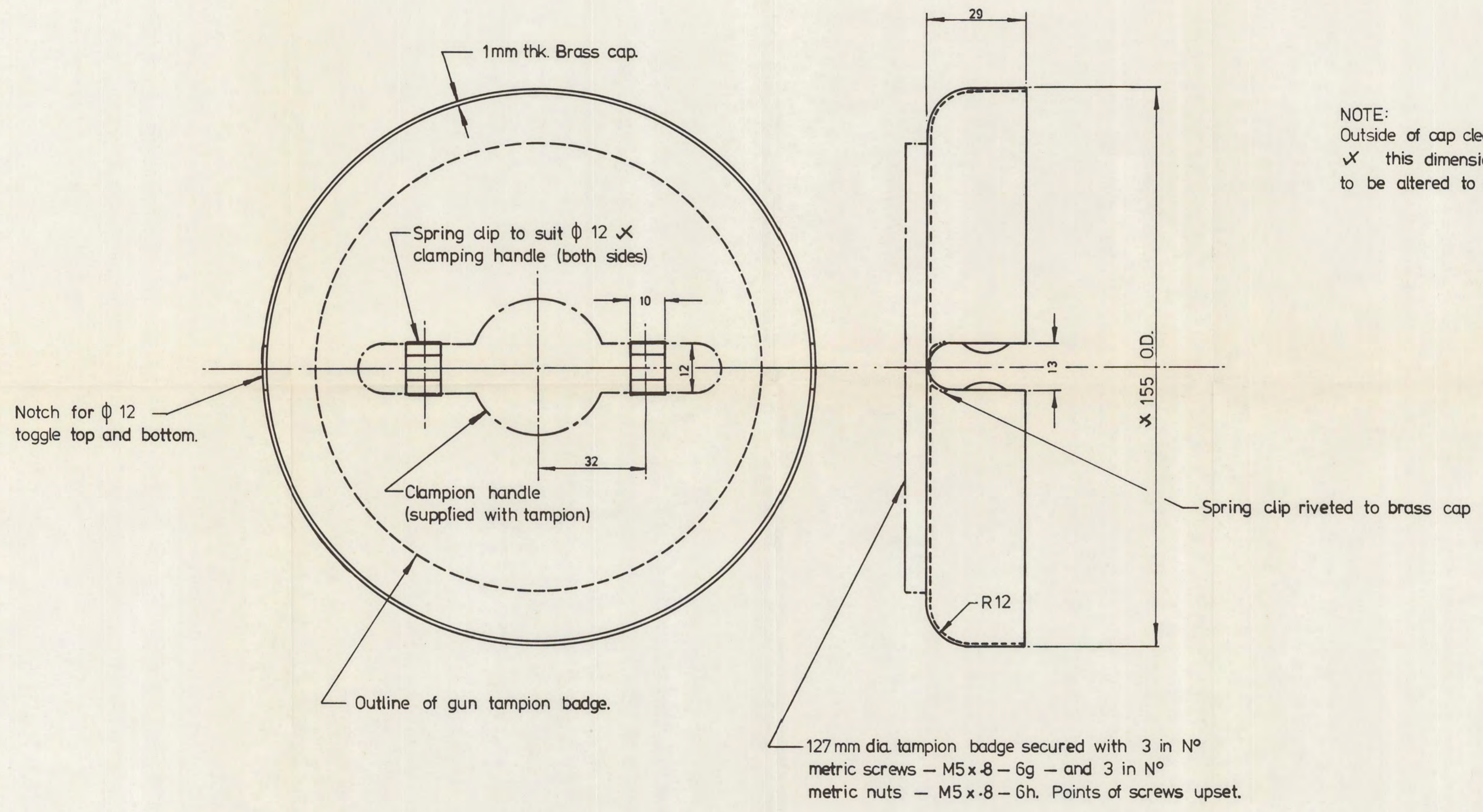
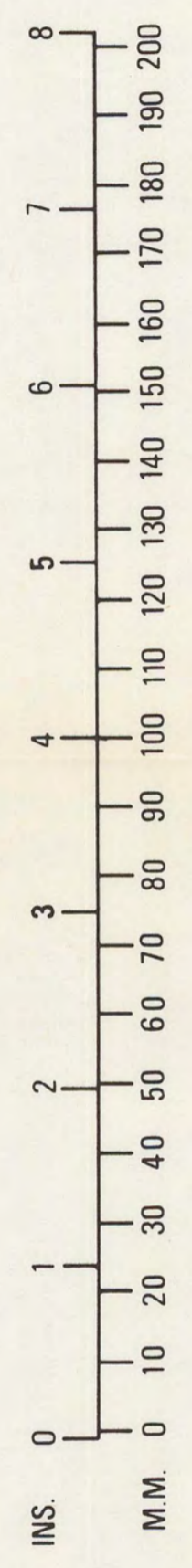
INS  
MM  
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200



- NOTES:**
1. THE BADGE IS TO BE MANUFACTURED IN ONE PIECE, OF GLASS REINFORCED PLASTIC TO THE SIZE AND SHAPE SHOWN AND IS TO BE SECURED TO THE BASEBOARD.
  2. THE RELIEF FOR THE MOTIF ON THE BADGE IS TO BE A MAXIMUM OF 10mm AND CARVED TO SUIT.
  3. THE BASEBOARD IS TO BE OF 25mm THICK POLISHED MAPLE CUT TO SHAPE SO THAT WHEN THE BADGE IS SECURED THEREON, A MAPLE EDGING 20mm WIDE WILL SHOW ALL ROUND.
  4. THE BADGE IS TO BE COLOURED IN ACCORDANCE WITH THE NOTES ON SHEET N°1.

## ANO ANNEX D

1		24-9-74	T.L.	ORIGINAL ISSUE		TOLERANCES, FINISHES, ETC.		EST. WT.	DRAWN	DEPARTMENT OF DEFENCE (NAVY) AUSTRALIA		
1		24-9-74	T.L.	ORIGINAL ISSUE		DIMENSIONS ARE IN mm		ORG CHECKED	PROJECT / SHIP		SCALE	
ISSUE NO	DATE	DRN	CHKD	DESCRIPTION OF CHANGE		VER. HOR. ZONE REF.	CONTRACTOR OR ORIGINATOR	CODE IDENT N°	PASSED	TITLE		BADGE, BOATS, TYPE 2.
1	24-9-74	T.L.		ORIGINAL ISSUE			DSD	Z0163	APPROVED	BOAT'S BADGE (TYPE 2)		
									<i>A. Victor Cassells.</i> for DSD. 24/9/74.			
										PUNCH CARD TITLE		

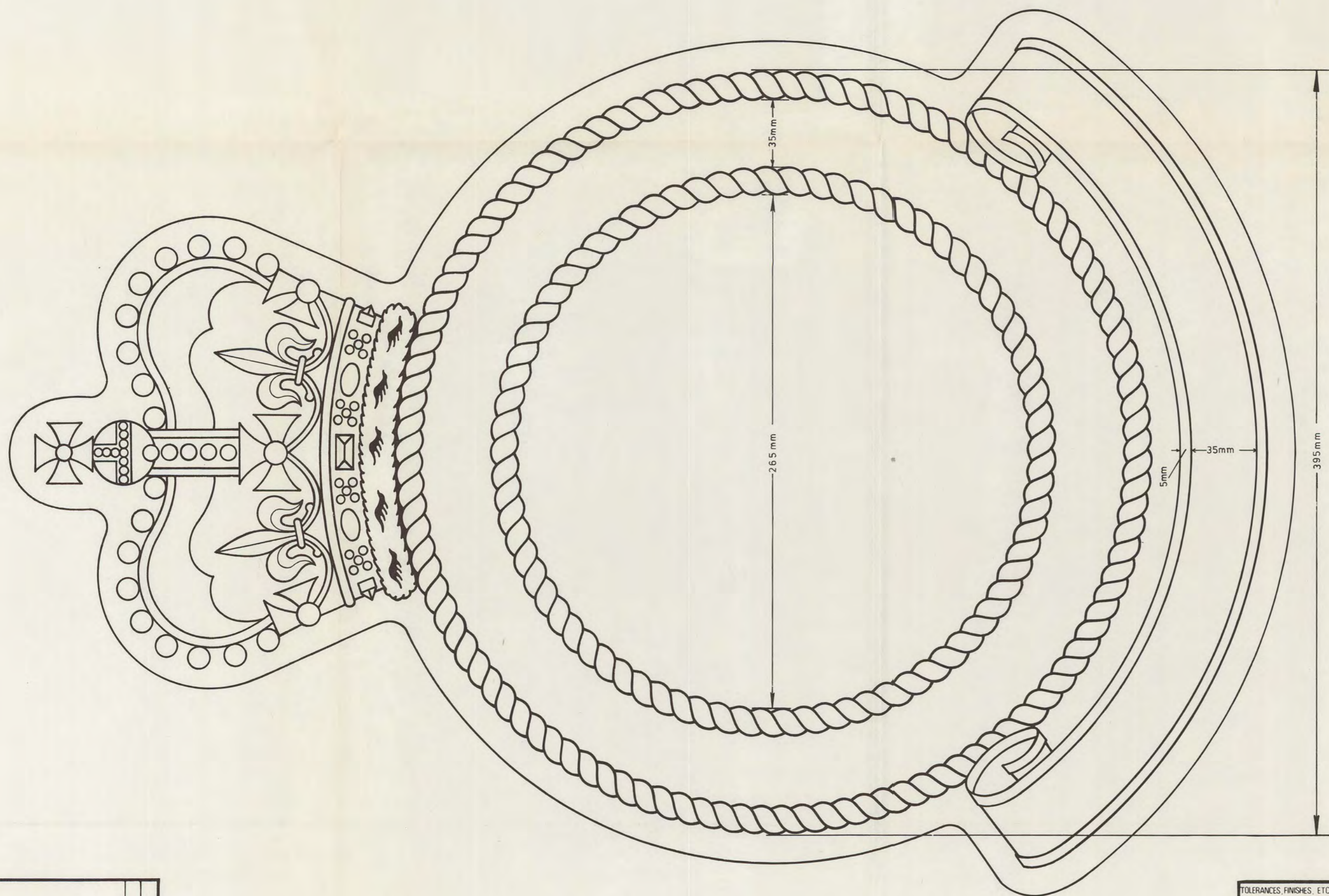
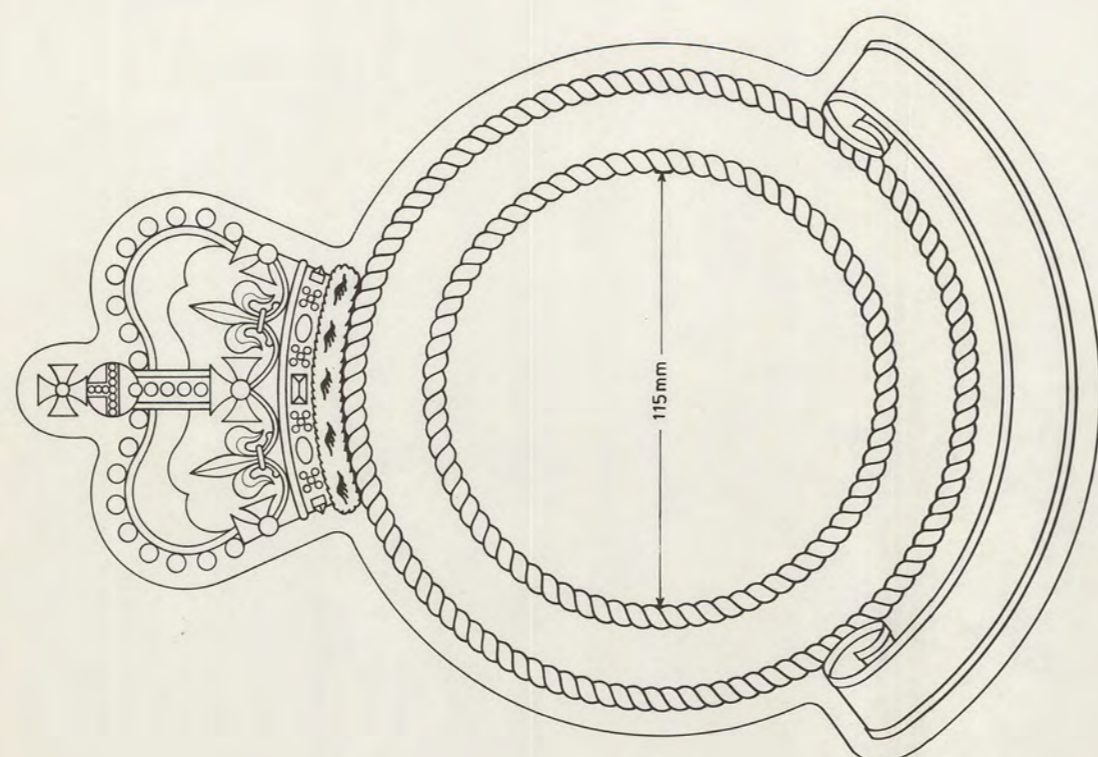


NOTE:  
 Outside of cap clear of badge to be bright finished  
 X this dimension is to suit a 4.5" gun and is to be altered to suit those of a different calibre.

127 mm dia. tampion badge secured with 3 in N° metric screws - M5 x 8 - 6g - and 3 in N° metric nuts - M5 x 8 - 6h. Points of screws upset.

# ANO ANNEX E

TOLERANCES, FINISHES, ETC.		EST. WT.	DRAWN <i>GRW</i> 9/10/74	DEPARTMENT OF DEFENCE (NAVY) AUSTRALIA				
DIMENSIONS ARE IN mm			DRG. CHECKED <i>N. Spang</i> 29/10/74	PROJECT/SHIP BADGES, SHIP.	SEC'Y CLASS. UNCLASSIFIED			
DRG. PRACTICE TO DEF(AUST) 85			PASSED <i>GRW</i> 29/10/74	TITLE BADGE, GUN TAMPION, METHOD OF SECURING.	SCALE	DRAWING NUMBER STDP6902001N		
CODE IDENT. N° Z0163			APPROVED <i>J. Victor Casella</i>			SHT. NO. 5		
			FOR DSD 29/10/74			ISSUE 1		
ISSUE NO.	DATE	DRN. CHKD.	DESCRIPTION OF CHANGE	VER. HOR. CONTRACTOR ZONE REF. ORIGINATOR	D.S.D.	CONTR. ORIG. DRAWING REF.	PUNCH CARD TITLE	BADGE, GUN TAMPION, METHOD OF SECURING.
1	9-10-74	GRW	V.O. Original Issue					



ABCDEFGHIJKL  
 MNOPQRST  
 UVWXYZ

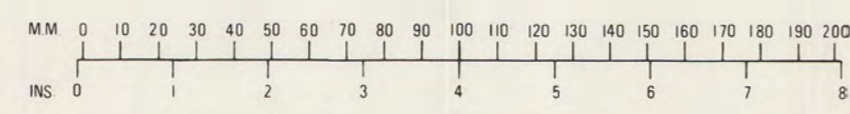
ABCDEFGHIJKL  
 MNOPQRST  
 UVWXYZ

LETTERING FORMAT FOR  
 BADGE NAME AND MOTTO SCROLL

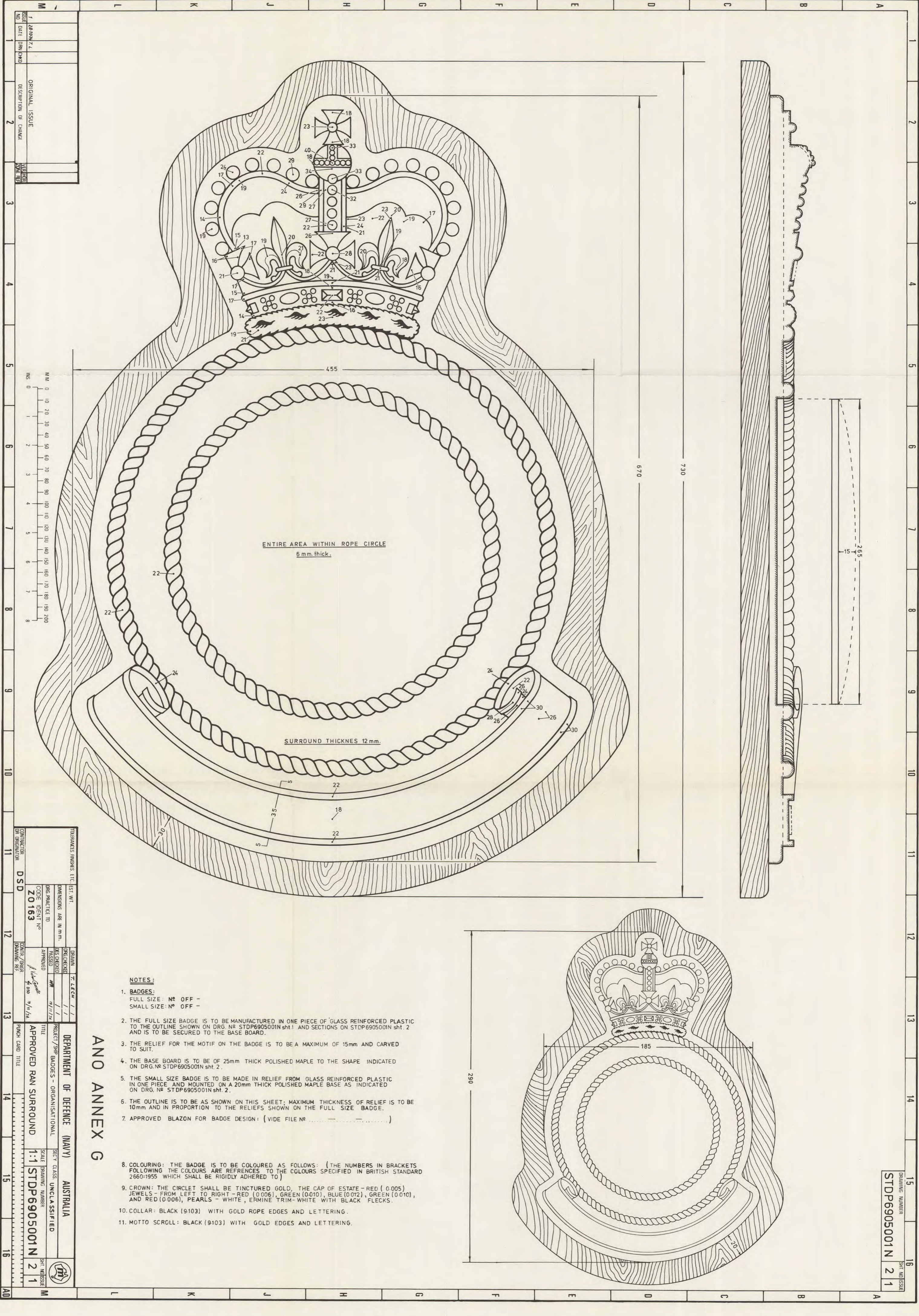
- NOTES:**
- BADGES:  
 FULL SIZE: N° OFF -  
 SMALL SIZE: N° OFF -
  - THE FULL SIZE BADGE IS TO BE MANUFACTURED IN ONE PIECE OF GLASS REINFORCED PLASTIC TO THE OUTLINE SHOWN ON DRG. N° STDP6905001N SH.1. AND SECTIONS ON STDP6905001N SH.2 AND IS TO BE SECURED TO THE BASE BOARD.
  - THE RELIEF FOR THE MOTIF ON THE BADGE IS TO BE A MAXIMUM OF 15mm AND CARVED TO SUIT.
  - THE BASE BOARD IS TO BE OF 25mm THICK POLISHED MAPLE TO THE SHAPE INDICATED ON DRG. N° STDP6905001N SH.2.
  - THE SMALL SIZE BADGE IS TO BE MADE IN RELIEF FROM GLASS REINFORCED PLASTIC IN ONE PIECE AND MOUNTED ON A 20mm THICK POLISHED MAPLE BASE AS INDICATED ON DRG. N° STDP6905001N SH.2.
  - THE OUTLINE IS TO BE AS SHOWN ON THIS SHEET; MAXIMUM THICKNESS OF RELIEF IS TO BE 10mm AND IN PROPORTION TO THE RELIEFS SHOWN ON THE FULL SIZE BADGE.
  - APPROVED BLAZON FOR BADGE DESIGN: (VIDE FILE N° .....)
  - COLORING: THE BADGE IS TO BE COLOURED AS FOLLOWS: (THE NUMBERS FOLLOWING THE COLOURS ARE REFERENCES TO THE COLOURS SPECIFIED IN AUSTRALIAN STANDARD K185-1968 WHICH SHALL BE RIGIDLY ADHERED TO)  
 9. CROWN: THE CROWN SHALL BE TINCTURED GOLD. THE CAP OF STAFF - RED N°593, JEWELS - FROM LEFT TO RIGHT - RED N°538, GREEN N°228, BLUE N°166, GREEN N°228, AND RED N°538, PEARLS - WHITE, ERMINE TRIM - WHITE WITH BLACK FLECKS.  
 10. COLLAR: BLACK - WITH GOLD ROPE EDGES AND LETTERING.  
 11. MOTTO SCROLL: BLACK - WITH GOLD EDGES AND LETTERING.

ANO ANNEX F

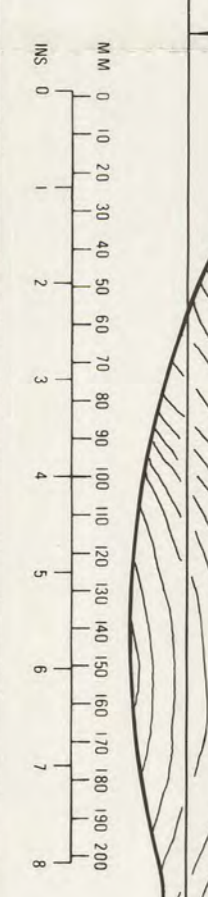
ISSUE NO.	DATE	DRW. CHKD.	DESCRIPTION OF CHANGE	VER. HOUR	ZONE REF.
1	16-175	Z.L.	ORIGINAL ISSUE		



TOLERANCES, FINISHES, ETC.	EST. WT.	DRAWN T. LECH 16/1/75	DEPARTMENT OF DEFENCE (NAVY)	AUSTRALIA
DIMENSIONS ARE IN mm	DRG. CHECKED 16/1/75	DES. CHECKED 16/1/75	PROJECT / SHIP BADGES - ORGANISATIONAL	SECY. CLASS. UNCLASSIFIED
DRG. PRACTICE TO CODE IDENT N° Z0163	APPROVED 16/1/75	APPROVED 16/1/75	TITLE APPROVED RAN SURROUND	SCALE 1:1
CONTRACTOR OR ORIGINATOR DSD	CONTR. / ORGR. DRAWING REF.	CONTR. / ORGR. DRAWING REF.	PUNCH CARD TITLE BADGE, ORGANISATIONAL, APPROVED RAN SURROUND	DRAWING NUMBER STDP6905001 N
				SHT. NO. ISSUE 1 of 2 1



ISSUE NO.	DATE	DESCRIPTION OF CHANGE
1	28/04/71	ORIGINAL ISSUE
2		



CONTRACTOR OR ORIGINATOR	DSD
PROJECT/SHIP BADGES - ORGANISATIONAL	
DEPARTMENT OF DEFENCE (NAVY)	AUSTRALIA
PROJECT/SHIP BADGES - ORGANISATIONAL	
APPROVED RAN SURROUND	1:1 STDP6905001N 2 1

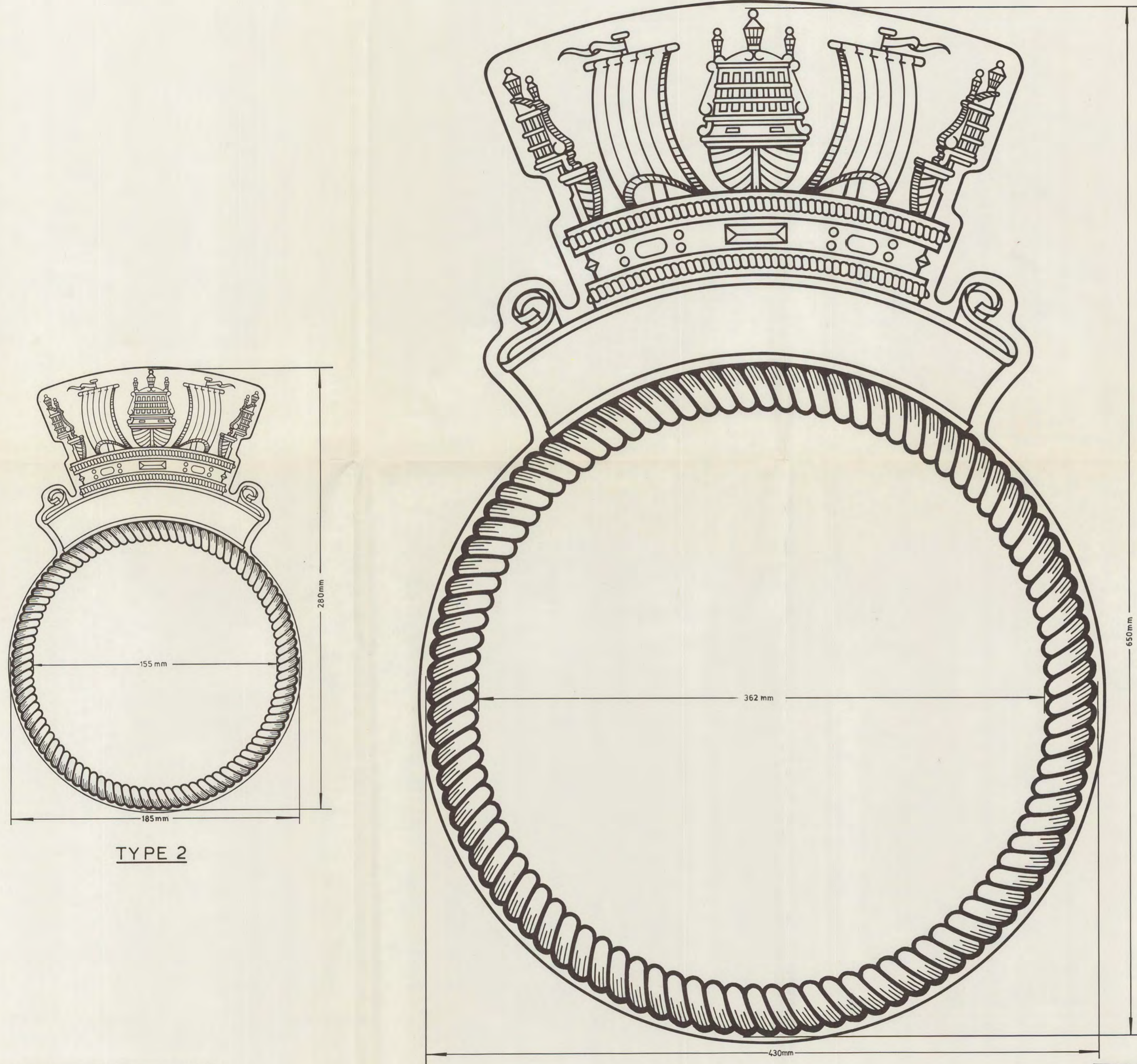
AND ANNEX G

NOTES:

- BADGES:  
FULL SIZE: N° OFF -  
SMALL SIZE: N° OFF -
- THE FULL SIZE BADGE IS TO BE MANUFACTURED IN ONE PIECE OF GLASS REINFORCED PLASTIC TO THE OUTLINE SHOWN ON DRG. N° STDP6905001N sht 1 AND SECTIONS ON STDP6905001N sht 2 AND IS TO BE SECURED TO THE BASE BOARD.
- THE RELIEF FOR THE MOTIF ON THE BADGE IS TO BE A MAXIMUM OF 15mm AND CARVED TO SUIT.
- THE BASE BOARD IS TO BE OF 25mm THICK POLISHED MAPLE TO THE SHAPE INDICATED ON DRG. N° STDP6905001N sht 2.
- THE SMALL SIZE BADGE IS TO BE MADE IN RELIEF FROM GLASS REINFORCED PLASTIC IN ONE PIECE AND MOUNTED ON A 20mm THICK POLISHED MAPLE BASE AS INDICATED ON DRG. N° STDP6905001N sht 2.
- THE OUTLINE IS TO BE AS SHOWN ON THIS SHEET; MAXIMUM THICKNESS OF RELIEF IS TO BE 10mm AND IN PROPORTION TO THE RELIEFS SHOWN ON THE FULL SIZE BADGE.
- APPROVED BLAZON FOR BADGE DESIGN: (VIDE FILE N° )
- COLOURING: THE BADGE IS TO BE COLOURED AS FOLLOWS: (THE NUMBERS IN BRACKETS FOLLOWING THE COLOURS ARE REFERENCES TO THE COLOURS SPECIFIED IN BRITISH STANDARD 2660:1955 WHICH SHALL BE RIGIDLY ADHERED TO)
- CROWN: THE CIRCLLET SHALL BE TINCTURED GOLD, THE CAP OF ESTATE - RED (0 005) JEWELS - FROM LEFT TO RIGHT - RED (0 006), GREEN (0 010), BLUE (0 012), GREEN (0 010), AND RED (0 006), PEARLS - WHITE, ERMINE TRIM - WHITE WITH BLACK FLECKS.
- COLLAR: BLACK (9103) WITH GOLD ROPE EDGES AND LETTERING.
- MOTTO SCROLL: BLACK (9103) WITH GOLD EDGES AND LETTERING.

DRAWING NUMBER  
STDP6905001N  
SHEET NUMBER  
2 1



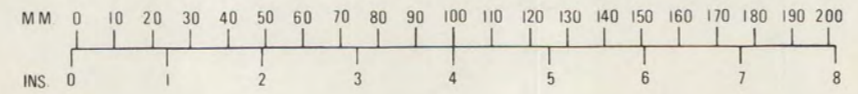


**COLOURS:** AUSTRALIAN STANDARD K185-1968  
**DRAWING LINES (CONSTRUCTIONAL LINES):**  
 BLACK.  
**THE CROWN (THE BASE):**  
 HIGHLIGHTS - WHITE  
 LIGHTS - N2 309 & N2 356  
 SHADOWS - N2 410 & N2 499 & BLACK  
**PEARLS:**  
 LIGHT - WHITE  
 SHADOW - N2 410  
**JEWELS:**  
 RED -  
 HIGHLIGHT - WHITE  
 LIGHT - N2 593  
 SHADOW - N2 538  
 GREEN -  
 HIGHLIGHT - WHITE  
 LIGHT - N2 280  
 SHADOW - N2 220  
**SHIPS:**  
 HIGHLIGHT AND WINDOWS - WHITE  
 LIGHT - N2 444  
 SHADOW - N2 446 & N2 499  
**GOLD BANDS:**  
 AS INDICATED (SIMILAR TO CROWN BASE)  
**SAILS:**  
 WHITE

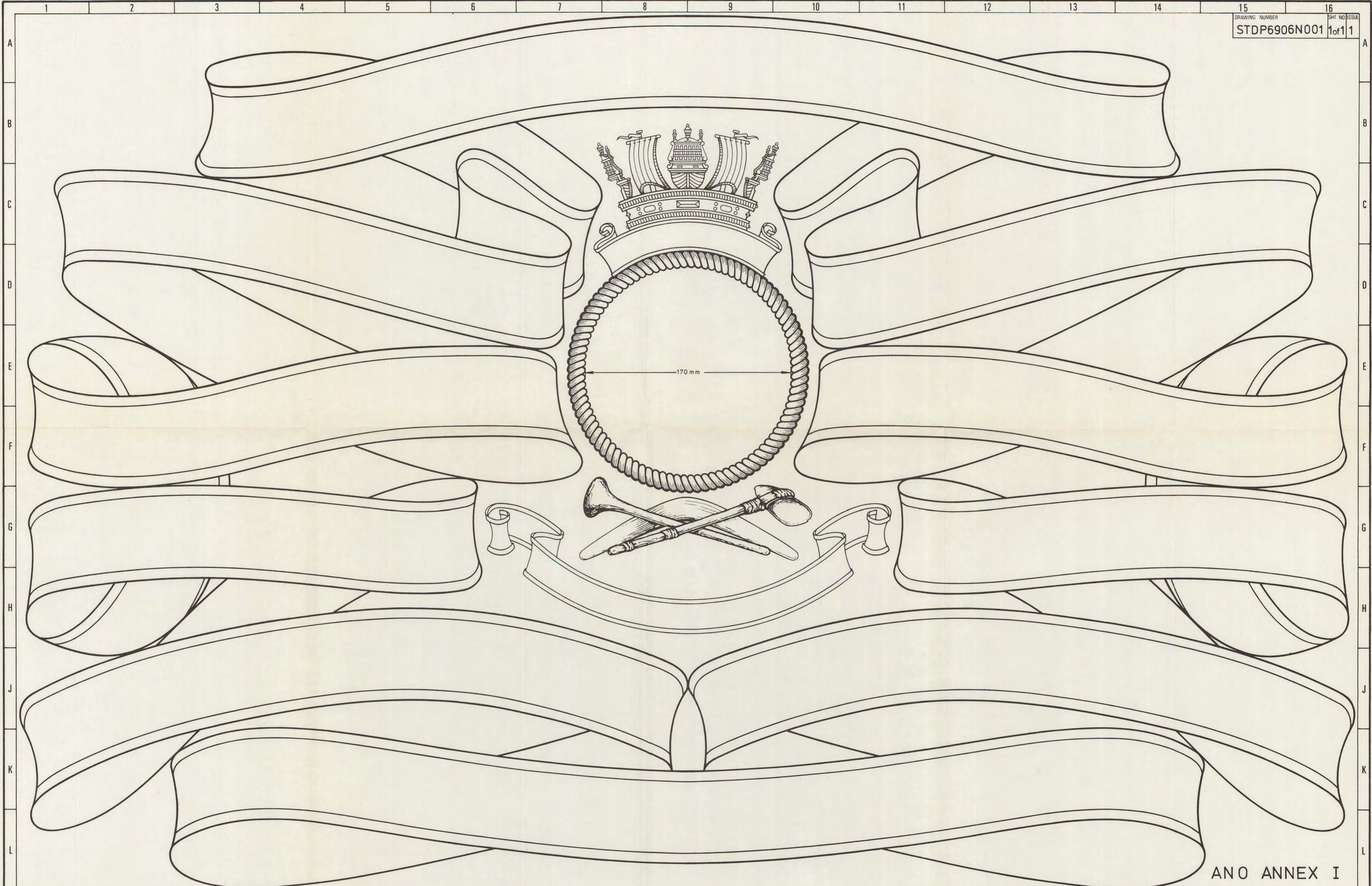
**LANTERNS:**  
 AS INDICATED  
**PENNANTS:**  
 LIGHT - N2 593  
 SHADOW - N2 538  
**SCROLL:**  
 FIELD BLACK  
 BANDS - AS INDICATED (SIMILAR TO CROWN BASE)  
**ROPE CIRCLE:**  
 LIGHT - N2 309  
 SHADOW - N2 410  
**BACKGROUND:**  
 -N2 694.

ANO ANNEX H

ISSUE NO.	DATE	DRW. CHKD.	DESCRIPTION OF CHANGE	VER. HOR.	ZONE REF.
1	3-4-75	[Signature]	ORIGINAL ISSUE		

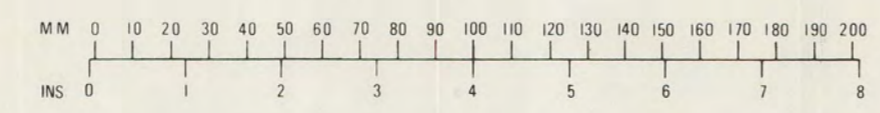


TOLERANCES, FINISHES, ETC.		EST. WT.	DRAWN	3/14/75	DEPARTMENT OF DEFENCE (NAVY) AUSTRALIA		
DIMENSIONS ARE IN			ORG. CHECKED	3/14/75	PROJECT / SHIP: RAN AIR SQUADRONS BADGES		
ORG. PRACTICE TO			PASSED	3/14/75	TITLE: RAN AIR SQUADRONS STANDARD SURROUND FOR A/C TRANSFERS		SCALE: 1:1
CODE IDENT. NO.			APPROVED	3/14/75	DRAWING NUMBER: STDP6904001N		SHT. NO. ISSUE: 1 of 1
CONTRACTOR OR ORIGINATOR: DNSD		CONTR. / ORIG. DRAWING REF.		PUNCH CARD TITLE			

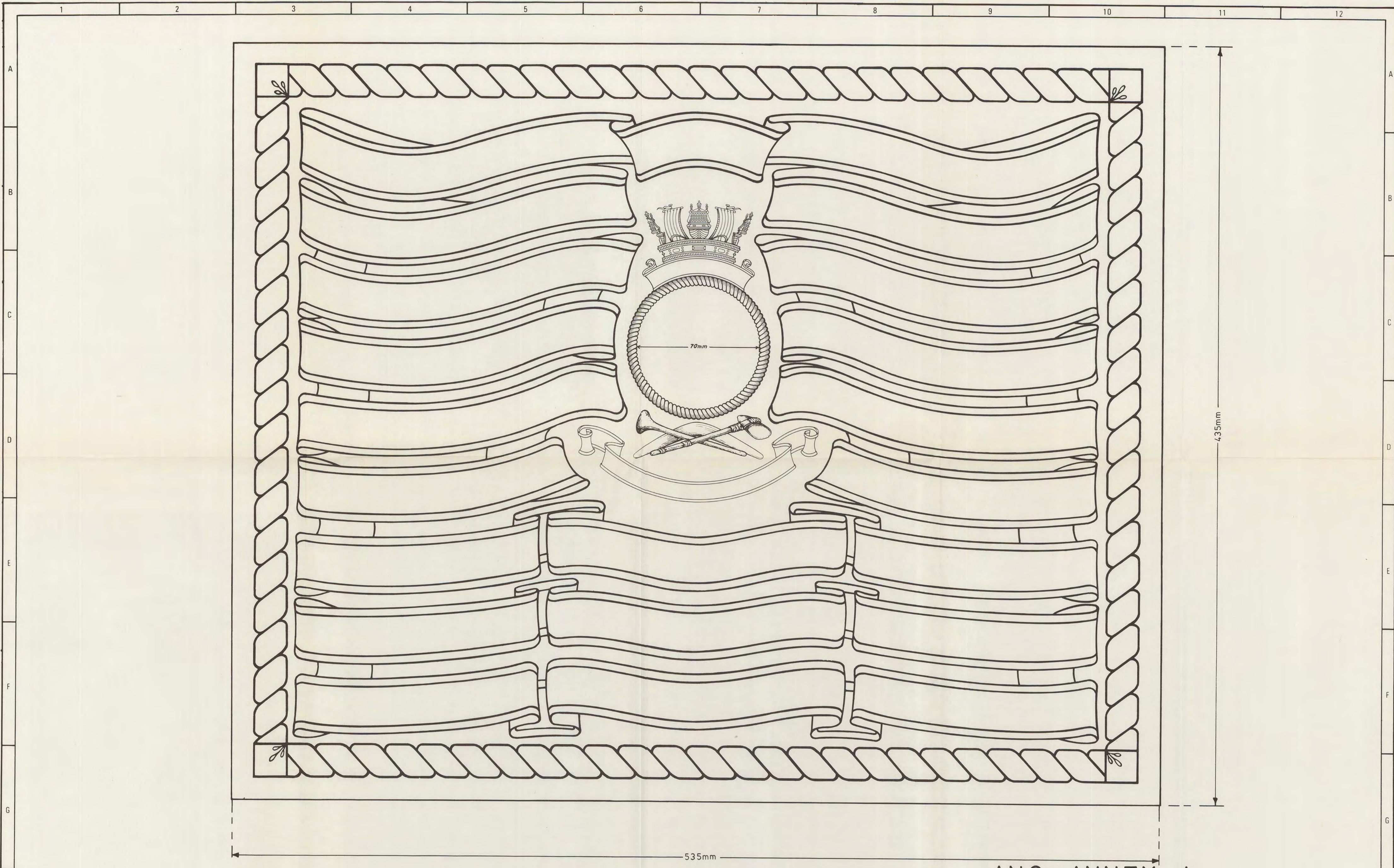


ANO ANNEX I

1	27-5-75	ORIGINAL ISSUE	
ISSUE NO.	DATE	DESCRIPTION OF CHANGE	VERIFIED BY
1			

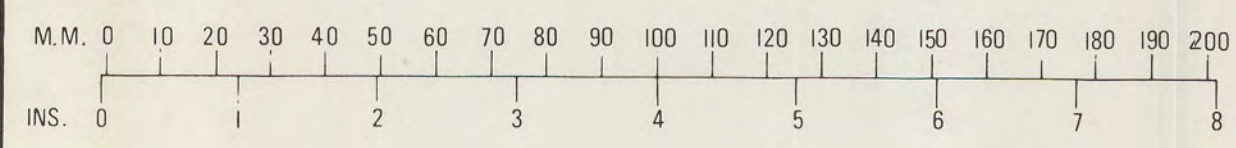


TOLERANCES, FINISHES, ETC.	EST. WT.	DRAWN: <i>Telega</i> 27/5/75	DEPARTMENT OF DEFENCE (NAVY) AUSTRALIA
DIMENSIONS ARE IN mm.	DRG. CHECKED: <i>PH</i> 27/6/75	DES. CHECKED: <i>PH</i> 27/6/75	PROJECT / SHIP: BOARDS, BATTLE HONOURS
DRG. PRACTICE TO:	PASSED: <i>PH</i> 27/6/75	APPROVED: <i>W. G. ...</i>	SECY CLASS: UNCLASSIFIED
CODE IDENT. NO: Z0163	CONTR./ORIG. DRAWING REF.: DMSD 27/5/75	TITLE: BOARDS, BATTLE HONOURS TYPICAL FOR SHIPS	SCALE: 1:1
CONTRACTOR OR ORIGINATOR: NAVY OFFICE	CONTR./ORIG. DRAWING REF.: DNSD	DRAWING NUMBER: STDP6906N001	SHEET NO. ISSUE: 1 of 1

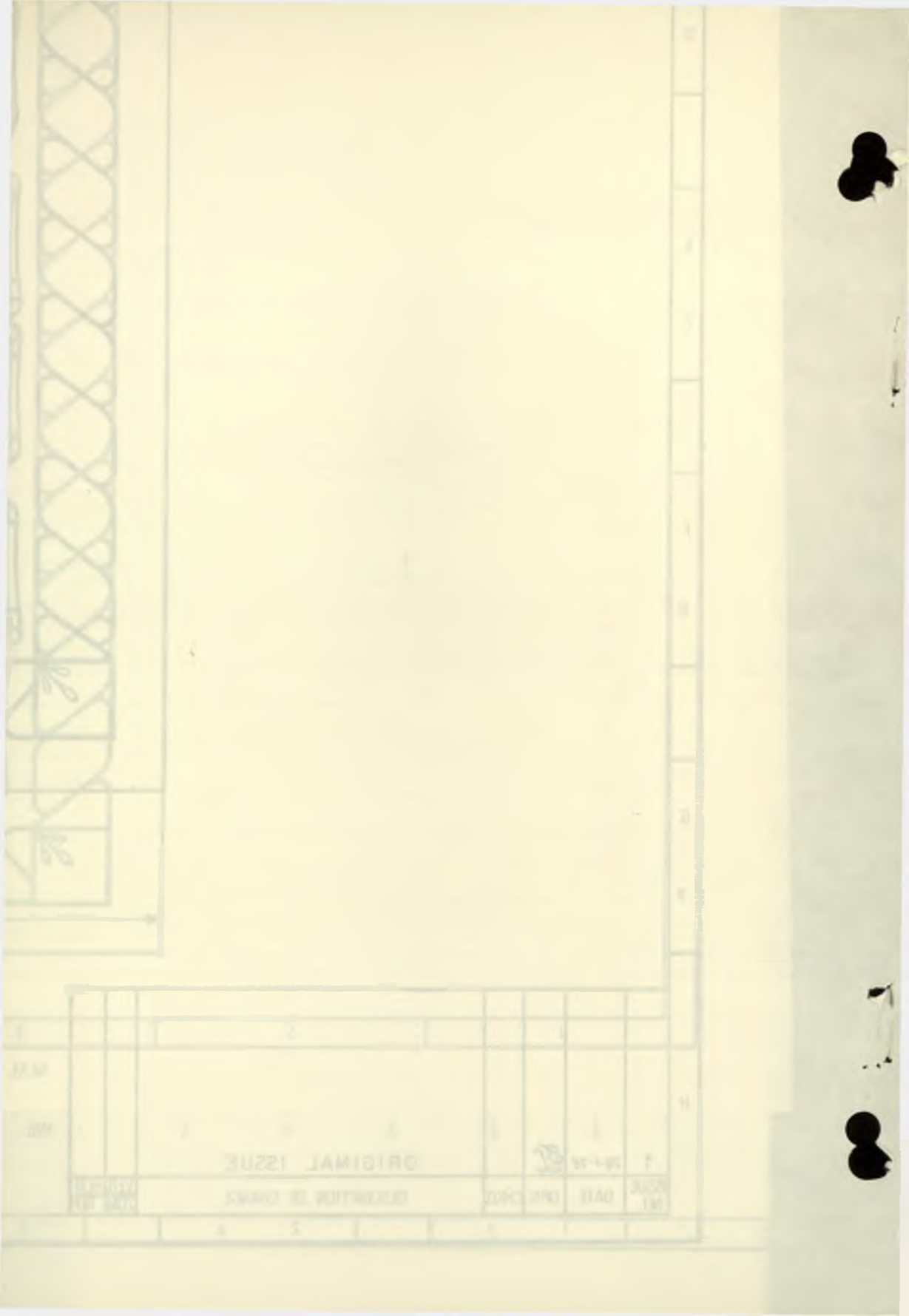


ANO ANNEX J

1	28-1-75	DL	ORIGINAL ISSUE	
ISSUE NO.	DATE	DRN. CHKD.	DESCRIPTION OF CHANGE	VERTICOR ZONE REF.



TOLERANCES, FINISHES, ETC.	EST. WT.	DRAWN	<i>St. Lock</i> 28/1/75	DEPARTMENT OF DEFENCE (NAVY) AUSTRALIA	PROJECT / SHIPBOARDS, BATTLE HONOURS	SECY CLASS UNCLASSIFIED	SHT. NO. ISSUE
	DIMENSIONS ARE IN mm	DRG. CHECKED	<i>St. Lock</i> 28/1/75				
	DRG. PRACTICE TO AS 1100	DES. CHECKED	<i>St. Lock</i> 28/1/75	TITLE	SCALE	DRAWING NUMBER	1 of 10
	CODE IDENT. N°	PASSED	<i>St. Lock</i> 28/1/75	BOARDS, BATTLE HONOURS	1:1	ST DP 6906N002	1
CONTRACTOR OR ORIGINATOR	NAVY OFFICE	CONTR. ORIGR. DRAWING REF.	<i>A. Victor Cassella</i> 28/1/75	TYPICAL FOR SUBMARINES			
			D.N.S.D.	PUNCH CARD TITLE			



DATE	PAGE	AUTHOR	TITLE
			ORIGINAL ISSUE

RESTRICTED

ANOs 215/75-222/75



Historian  
Victoria Barracks  
Melbourne

CONTENTS

# AUSTRALIAN NAVY ORDERS

SECTION 1—ADMINISTRATIVE AND GENERAL

215/75 [illegible]  
216/75 [illegible]  
[illegible] [illegible]

SECTION 2—PERSONNEL

217/75 [illegible]

SECTION 3—EQUIPMENT, STORES AND SUPPLIES

218/75 [illegible]

SECTION 4—TRAINING AND EDUCATION

219/75 [illegible]

220/75 [illegible]

SECTION 5—RESEARCH AND DEVELOPMENT

221/75 [illegible]

222/75 [illegible]

Navy Office, Canberra,  
11 August 1975.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

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RESTRICTED



AUSTRALIAN  
NAVY ORDERS

11/11/75

11/11/75

The orders listed in this book are to be used in preference to any other orders of the same title.

11/11/75

11/11/75

- Additional copies of Navy Orders may be readily obtained by:
- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
  - b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
  - c. telephoning Navy Office, Canberra 65 4718.

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

215/75—DEFNAV General Messages

CONTENTS

1. In accordance with Navy Order 148/75, the issue of DEFNAV general messages as at 1 July is deemed to continue to be in force.

2. Navy Order 148/75 is hereby cancelled.

No Title

SECTION 1—ADMINISTRATIVE AND GENERAL

- 215/75 DEFNAV General Messages.
- 216/75 Papua New Guinea Defence Force—RAN Participation in Australian Defence Assistance Group-PNG (ADAG-PNG).

SECTION 2—PERSONNEL

- 217/75 Dental Fitness of Personnel and their Families Proceeding to HMAS BASILISK.

SECTION 4—EQUIPMENT, STORES AND SERVICING

- 218/75 Electronic Warfare—Equipment Type AN/SLR-2 Fitted in HMA Ships—Painting of Radomes.

SECTION 5—BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

- 219/75 Information Concerning and Distribution of Publications and Amendments Managed by Executive Officer Publications, Sydney—May 1975.
- 220/75 TG142—Standard Requirements for Identification Marking of Metallic Materials—Introduction.

AMENDMENTS

- 221/75 Cover for Gyro Compass Repeaters.
- 222/75 Scale of Allowances of Swords and Accessories for Ceremonial and Training Purposes—Officers.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44  
 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66  
 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86  
 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106  
 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122  
 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138  
 139 140 141

(Navy Order 148/75 and 149/75)

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

215/75—DEFNAV General Messages

1. In accordance with Navy Order 341/74, the state of DEFNAV general messages as at 1 July is shown in Annexe A to this order.

2. Navy Order 149/75 is hereby cancelled.

ANNEXE A

1. The following F messages may be withdrawn:

1974.

123, 149, 156, 157, 161, 190, 200, 203, 217, 229, 233, 245, 246, 247, 248, 249.

1975.

3 (not issued), 11, 49, 53, 72, 75, 128, 131.

2. As at 0001Z July the following F messages were in force:

1974.

119, 120, 121, 122, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 150, 151, 152, 153, 154, 155, 158, 159, 160, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 191, 192, 193, 194, 195, 196, 197, 198, 199, 201, 202, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 230, 231, 232, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 250, 251, 252.

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(77/1/14)

(Navy Orders 341/74 and 149/75)

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216/75 Paper New Guinea Defence Force--RAM Participation in Assistance Defence Assistance Group-PTWC (ADAG-PTWC)

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217/75 Dental Forces of Personnel and their Families Proceeding to HMAS BASTLICK

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218/75 Electronic Warfare--Equipment Type AN/SLR-3 Used in HMA Ships--Painting of Kestons

SECTION 5--BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

219/75 Information Concerning and Distribution of Publications and Arrangements Managed by Executive Office Publications, Sydney--MS 1975

220/75 TG142--Standard Requirements for Identification Marking of Materials--Introduction

AMENDMENTS

221/75 Cover for Gyro Compass Repetitors

222/75 Scale of Allowances of Swabs and Accessories for Ceremonial and Training Purposes--Officer

at present...  
ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED  
DATE 09-11-2001 BY 60322 UCBAW/STP/STP

## RESTRICTED

## 216/75—Papua New Guinea Defence Force—RAN Participation in Australian Defence Assistance Group-PNG (ADAG-PNG)

### Introduction

1. This order describes RAN participation in the Australian Defence Assistance Group-Papua New Guinea (ADAG-PNG) and contains general information on service in Papua New Guinea.

2. The Papua New Guinea Defence Force (PNGDF) is an integrated force comprising Maritime, Land and Air Elements. The Force is under the command and control of the Force Commander (COMPNGFOR) who exercises command from his headquarters in Port Moresby (HQ PNGDF).

3. HMAS TARANGAU was decommissioned on 14 November 1974 and was recommissioned as the PNGDF Patrol Boat Base Lombrum. At the same time the five PTFs based in Lombrum were commissioned as PNG Ships AITAPE, LADAVA, LAE, SAMARI and MADANG. Two LCHs, PNG Ships SALAMAUA and BUNA, were commissioned at the PNGDF Landing Craft Base, Port Moresby, on 26 November 1974.

4. Following transfer of Defence Power to Papua New Guinea on 6 March 1975, the Naval Board ceased to have any responsibility for the operations of units of the Maritime Element of the PNGDF.

5. To assist in the development of the PNGDF, the Australian and Papua New Guinea Governments have agreed that an Australian Defence Assistance Group-Papua New Guinea (ADAG-PNG) will remain in PNG until the early 1980s.

6. The ADAG-PNG consists of:

- a. Headquarters ADAG (HQ ADAG) in Port Moresby (of which HMAS BASILISK is an integral part);
- b. Australian Defence Force Personnel (RAN, ARA and RAAF) assigned to fill billets within the PNGDF; and
- c. Australian Defence Force Personnel assigned for duty with other PNG Government authorities.

7. HQ ADAG is an Australian Defence Force unit and the Commander ADAG (COMADAG) is responsible to the Chiefs of Staff Committee. The primary function of HQ ADAG is the efficient administration of all ADAG personnel. COMADAG is at present a Colonel but the billet may rotate between the three Services. He is supported by a Deputy Commander from each of the other two Services of Commander rank equivalent and by an integrated staff. The Deputy Commander ADAG (Navy) is also the Commanding Officer HMAS BASILISK.

8. HMAS BASILISK is a commissioned RAN establishment within HQ ADAG. Its function is to handle the administration of RAN personnel in PNG, in much the same way as HMAS CARPENTARIA in London and HMAS WARATAH in Washington. All routine matters of a purely naval administrative nature such as pay, allowances, promotions, applications for discharge and posting are handled by HMAS BASILISK.

### Discipline

9. The Commanding Officer HMAS BASILISK has summary powers of trial and punishment over all RAN sailors in the ADAG-PNG. Additionally, the summary powers of the Commanding Officer HMAS BASILISK may be exercised by the Commanding Officer, PNGDF Patrol Boat Base, Lombrum, acting as the officer in command of personnel on detached service from HMAS BASILISK. Records of any trials conducted or punishments awarded by the Commanding Officer, PNGDF Patrol Boat Base, Lombrum, are to be forwarded to the Commanding Officer HMAS BASILISK monthly, following the procedure laid down in ABR 5151 Section V. Any Lombrum Punishment Return is to be incorporated in the BASILISK Punishment Return.

10. Warrants requiring the approval of a Commodore or Flag Officer are to be referred to Navy Office in accordance with MNL Article 2174. Australian Defence Force personnel are not subject to the Service Law of Papua New Guinea nor are they subject to the jurisdiction of any authority, court or tribunal established under or exercising powers contained in the Service Law of Papua New Guinea. PNG Civil Law applies to all personnel.

### Relationships between the three Australian Services

11. ADAG-PNG comprises personnel from the three Australian Services. By virtue of an order made under Defence Force Regulation 4, a superior of one Service may give a lawful command to a person of inferior rank in another Service. Relative ranks for this purpose are set out in Regulation 8 of the Defence Force Regulations. However, the trial and punishment of offences under Australian Service law remains at all times a single Service matter.

### Relationships with Members of the PNGDF

12. By virtue of an Australian declaration pursuant to Regulation 17 of the Papua New Guinea (Application of Laws) Regulations and a PNG Declaration pursuant to Section 29 of the PNG Defence Act, a member of one Force has power to give a lawful order to a member of inferior rank in the other Force.

### Power of Arrest

13. The reciprocal inter-Service and inter-Force powers of command described in Paragraphs 11 and 12 include the power to arrest, directly or by direction, members of inferior rank of the other Australian Services and of the PNGDF. Conversely, members of the RAN in Papua New Guinea are subject to arrest by or by direction of members of the other Australian Services and the PNGDF superior in rank to themselves, and also by the Service police patrols of those Services and that Force.

### Postings in Papua New Guinea

14. All RAN personnel are posted to HMAS BASILISK, and as such are members of the ADAG-PNG. Personnel may be posted to any of the following units:

- a. *PNGDF Patrol Boat Base Lombrum (PBB Lombrum).*

Approximately seventy personnel are at present required to fill billets in the base and this number is decreasing as 'localisation' progresses. 'Localisation' is the term used for the process of replacing Australian personnel with Papua New Guineans.



b. *PNGDF Patrol Boat Squadron (PNGPATRON).*

Two of the five PTFs are now fully localised (PNG ships LADAVA and LAE) and RAN billets are now restricted to a few officers and senior sailors in the other PTFs.

c. *PNGDF Landing Craft Squadron (PNGLANCRON).*

At present there are five RAN personnel in one LCH and six in the other. COMPNGLANCRON is based in Port Moresby and RAN personnel are required in key billets, including the Base Maintenance staff.

d. *PNGDF Diving/Explosive Ordnance Disposal Unit.*

This unit is based in Port Moresby at the PNG LANCRON base and RAN billets comprise one MCD officer, two senior CD sailors and one ABMED (UWM).

e. *HQ PNGDF.*

There are a number of billets for RAN personnel in HQ PNGDF which is located in Murray Barracks, Port Moresby.

f. *HQ ADAG-PNG.*

HQ ADAG is situated in Port Moresby and there will be a requirement for RAN personnel until the early 1980s. Members posted to HQ ADAG do not serve in billets of the PNGDF.

g. *Joint Services College of PNG (JSC PNG).*

JSC PNG is located in Igam Barracks, Lae. Its function is to train officer cadets of the PNGDF, the PNG Police Force and the PNG Corrective Institutions Service (Prison Officers). There is a common syllabus (mostly academic) for the first twelve months and then PNGDF officer cadets carry out a further twelve months academic/military training. There are billets for three RAN officers and one RAN senior sailor at the JSC PNG.

h. *PNGDF Training Depot.*

The depot is located at Goldie River, about 22 km from Port Moresby. Its main activity is the initial training of all PNGDF recruits and it is thus similar in function to HMAS CERBERUS. There are billets for one RAN officer and one RAN senior sailor on the training staff.

i. *PNGDF Apprentice Training Unit.*

This unit is located in Murray Barracks, Port Moresby, and there are billets for several RAN senior technical sailors.

#### Addresses for Correspondence

15. Correspondence of a routine Naval administrative nature, as outlined in Paragraph 8, and correspondence for RAN personnel serving in HQ ADAG is to be addressed to:

HMAS BASILISK,  
PO Box 2270,  
KONEDOBU,  
PAPUA NEW GUINEA.

16. Correspondence from RAN authorities concerning operational matters and those administrative and technical subjects affecting the PNGDF (including the Maritime Element) is to be addressed to:

Commander,  
Australian Defence Assistance Group,  
PO Box 2270,  
KONEDOBU,  
PAPUA NEW GUINEA.

Correspondence between RAN authorities and COMPNGFOR, COMPNGPATRON, COMPNGLANCRON, ships of the two squadrons and other PNG units, other than personal mail, is not permitted except where direct liaison is authorised for specific procedures or events.

17. The following postal addresses additional to that in Paragraph 15 should be used for personal mail unless otherwise advised by recipients:

- a. Headquarters,  
PNG Defence Force,  
Murray Barracks Free Bag,  
BOROKO,  
PAPUA NEW GUINEA;
- b. PNGDF Patrol Boat Base,  
LOMBRUM,  
PAPUA NEW GUINEA;
- c. Mail for ships of the PNGLANCRON should be addressed as in a. above preceded by the name of the ship;
- d. Mail for ships of the PNGPATRON should be addressed as in b. above preceded by the name of the ship;
- e. Joint Services College of PNG,  
Igam Barracks,  
LAE,  
PAPUA NEW GUINEA;
- f. Mail for RAN personnel serving in other units in Port Moresby should be addressed as in Paragraph 14.

#### Signal Addresses

18. Signals concerning subjects as in Paragraph 8 are to be addressed to HMAS BASILISK, COMADAG Port Moresby is the signal address for all other matters mentioned in Paragraph 16.

#### Logistic Requirements

19. HMA ships visiting PNG ports are to address LOGREQ letters to the Commander ADAG as in Paragraph 16 and LOGREQ signals to COMADAG Port Moresby. Correspondence and signals regarding visits are to be addressed in the same manner.

#### Visits to PNG

20. The Australian Defence Representative in Port Moresby is responsible for advising PNG authorities of intended visits by Service and civilian Defence personnel. All proposed visits to PNG by Naval personnel are therefore to be referred to Navy Office where arrangements will be made to inform the Australian Defence Representative of the visit.

**Information to Australian Servicemen Posted to PNG**

21. A pamphlet entitled 'An Introduction to Papua New Guinea for the Australian Serviceman and his Family' (PNGINTRO) has been produced by HQ ADAG and will be issued by that Headquarters to members who are posted to PNG. It contains detailed information on Service and Conditions in Papua New Guinea.

22. Details of allowances for personnel posted to PNG are contained in Navy Orders 163/74 and 164/74. Information on removals is contained in Naval Pay Instructions, Chapter 13.

23. Navy Order 343/74 is hereby cancelled.

(147/2/36)

(Navy Orders 163/74, 164/74 and 343/74)

**Section 2****PERSONNEL**

UNCLASSIFIED

**217/75—Dental Fitness of Personnel and their Families Proceeding to HMAS BASILISK**

1. Dental treatment in HMAS BASILISK is provided on a full-time basis by a PNG Defence Force dental therapist, an auxiliary trained to undertake minor dental procedures such as simple fillings and extractions. A dental officer visits the establishment periodically to treat referrals from the dental therapist.

2. In view of this, all personnel posted to HMAS BASILISK are to be made dentally fit prior to departure, particularly in regard to the provision of satisfactory artificial dentures.

3. Personnel concerned are to be advised to have their families made dentally fit before leaving Australia. If these precautions are taken, personal inconvenience may be avoided.

4. ABR 5103 will be amended in due course.

5. Navy Order 247/72 is hereby cancelled.

(156/51/86)

(Navy Order 247/72)

**Section 4****EQUIPMENT, STORES AND SERVICING**

UNCLASSIFIED

**218/75—Electronic Warfare—Equipment Type AN/SLR-2 Fitted in HMA Ships—Painting of Radomes**

1. Considerable difficulty has been experienced in maintaining the cleanliness of the rough textured fibreglass surfaces of DF outfit type AN/SLR-2 equipment fitted on board HMA ships. Failure to maintain this cleanliness results in a reduction of performance of the aerial system enclosed by the radome.

2. Paint treatment trials on type AN/SLR-2 radomes carried out on board one of HMA ships have indicated that a smooth finish on the radomes enables the radome surface to be kept in a clean condition with a minimum of maintenance.

3. The painting procedure to be adopted in the future by HMA Naval dockyards when carrying out maintenance and repair work on type AN/SLR-2 radomes is as follows:

a. Carefully rub down the existing EN39 Enamel, Epoxy, black, with 320 wet and dry abrasive paper until the radome surface is exposed. Isolated small thin remnants of the existing paint may remain if damage to the fibreglass surface could be caused by complete removal.

b. Apply two even coats of EN31 paint (alkyd enamel, black). The paint is to be sprayed on as thinly as possible consistent with a full coverage of the surfaces. A brush must not be used.

4. HMA ships experiencing difficulty in the maintenance of a clean surface of the AN/SLR-2 radomes fitted on board are to include an item in their next main defect list that the radomes are to be repainted in accordance with the instructions contained in this order.

5. Navy Order 315/72 is hereby cancelled.

(400/202/701)

(Navy Order 315/72)

**Section 5****BOOKS, CORRESPONDENCE, FORMS AND STATIONERY**

UNCLASSIFIED

**219/75—Information Concerning and Distribution of Publications and Amendments Managed by Executive Officer Publications, Sydney—May 1975**

1. The annexe lists publications and amendments distributed during May 1975.

2. Allowances for ships and establishments, as distinct from gratuitous and repayment issues will be issued without demand by the Publications Authority, Garden Island, NSW, in accordance with an approved scale and automatic updating is provided.

3. Holders of basic publications are reminded that only those issues recorded on NAVPUB will be updated without demand (Navy Order 158/74 refers).

4. Changes issued to publications held as advance copies or to publications not on general distribution are not reflected in Navy Orders.

**Gratuitous Issues**

5. Where it has been decided that a gratuitous or personal issue of a publication will be made, a Navy Order detailing the basis of issue and the personnel concerned, and instructing ships and establishments to obtain their requirements for this purpose, through their Supply Officer will be promulgated.

6. Supply Officers should place demands on the Publications Authority, Garden Island, NSW, for the total number of copies required in their respective ship or establishment, on Form SO150 (Navy Order 236/74 refers), stating the reason for the requirement and quoting the relevant Navy Order. The publications are to be accounted for by the Supply Officer in accordance with ABR 4, Article 1301 and Article 2512.

7. Automatic updating is not provided for copies of publications on gratuitous issue and demands for updating should be placed on the Publications Authority, Garden Island, NSW, upon notification of its availability in Navy Orders. Form SX40 should be used for demanding changes and the form should clearly state 'Required for amending Personal Issue Copies'.

#### Repayment Issues

8. If it has been approved that a publication should be made available from departmental stocks, for sale to certain categories of personnel, a Navy Order will be promulgated detailing the basis of issue and the rate to be charged to personnel concerned.

9. Supply Officers should place demands on the Publications Authority, Garden Island, NSW, for the copies required, on Form SO150 quoting the reason for requirement and the relevant Navy Order. The publications are to be accounted for by the Supply Officer in accordance with ABR 4 Chapters 13 and 25.

10. Automatic updating is not provided for copies of publications issued on repayment, and demands for updating should be placed on the Publications Authority, Garden Island, NSW, upon notification of its availability. Again, Form SX40 should be used for demanding these changes and the form should clearly state 'Required for amending Repayment Issue Copies'.

11. Issues, etc, of periodicals and magazines are not included in these monthly Navy Orders.

#### ANNEXE A

##### Initial Issue of Basic Publications to Approved Holders

Publication No	Title	Edition
AAP7113-013-4 ..	Turboshaft Gas Turbine Engine ALLISON Type 250-C20 IPB	—
AAP7432-152-3M ..	Actuator Type VR 3BB	73
AAP7610-056-2M ..	DC Vacuum Tube Voltmeter	72
AAP7645-028-2M ..	HS748 Test Set Compass Pt. No. 1977410 (Sperry) ..	73
AAP7831-022-4-1 ..	HS748 UHF Radio Set AN/ARC IPB	74
APRAN100V1P19 ..	Airborne EXDAK System and EXDAK Support Equipt	75
APRAN100V2P19 ..	Airborne EXDAK System and EXDAK Support Equipt	75
APRAN2204 ..	Signal Generator AN/USM-44A (H/Packard)	68

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Publication No	Title	Edition
APRAN2205 ..	Helicopter Cargo Transport CH-47A, CH-47B, CH-47C	74
BR1146 ..	H/Bk for Bearing Resolver Outfit PAB	73
BR2807(5A) ..	H/Bk of Diving Equipt Sect 5A, One Man Compression Chamber Type 7	71
BR4200ADDM1 ..	H/Bk for Radar Type 1006 Radar Type 1006(1) with Antenna outfit AKU(3) and (4) Radar Inhibit Interlock Circuits	73
BR6570(800) ..	Madan Standard Gurkha Pump	72
BR762 ..	Jane's Fighting Ships	—
BR764 ..	Jane's All the World Aircraft	75
CAT H/BK 66-H6-1 ..	Alphabetical List of Names	74
DOD5105-38-D ..	Military Resistance Program Address Directory (MAPAD)	75
E List U254 ..	Sonar Set Type 187 Series	74
ESO PUB 9 ..	APL/AEL Microfilm Index	74
JSP(AS)701 ..	Recruit Medical Examination Procedures	69
MBR9078 ..	Jane's Surface Skimmers	75
NAVSUP2002 ..	Introduction to Navy Stock List of Publications and Forms	75
NA03-5J-17 ..	Low Tension Ignition Systems Ovhl Instns ..	75
NA03-25BC-1 ..	Landing Wheels for Use w/Disc Brakes (Goodyear) Overhaul Instructions	70
NA03-30CY-627 ..	Actuator Horizontal Stabiliser (Douglas) IPB	75
NA04-10-1 ..	Tech. Manual Aircraft Wheels, Maint Instns	75
NA17-15CS-3 ..	Air Data Computer Line Test Set	74
NS0967-874-1010 ..	Communication Patching Panel SB-1203A/UG; 1203B; 1210A TM W/TC-1	—
NS0994-015-9010 ..	USA Air Compression Table H/Bk	74
OP4018 ..	Tech. Manual 5"54 Caliber Gun Mount Mk.42 MOD O Shipboard Installation; Test Instns	—
TB43-0001-2-1 ..	Equipt Improvement Report Rotary Wing Aircraft ..	75
TEM6625-0031 ..	H/Bk for DC Multi function Unit Model 3440A; Pt. 03440-90005 Digital Voltmeter	70
TEM7310-0002 ..	ARN Oceanographic Ship Wet Type Bain Marie Electrical Heater	—
7610-66-029-5013 ..	Radio Set Mk.48 with Amdts	73
WAP101A-0101-16 ..	Blade DOSD Assy General Technical Info—Ovhl ..	71
WAP101A-600-1 ..	Waterproof Floor General Technical Information ..	72
WAP101A-1104-1 ..	Sea King—Carriage of Cargo Equipt	68
WAP101C-0400-1 ..	British Equivalents to American Consumables	70
WAP103A-001-13A6 ..	Engine Mountings	72
WAP104B-0400-1 ..	Tyres General Information	71
WAP104B-0401-13A ..	Overhaul Instruction MLG Strut	74
WAP104B-0402-13A ..	Cylinder Uplock Overhaul Instructions	73
WAP104B-0403-13A ..	MLG Cylinder Retracting Overhaul Instructions	73
WAP104D-0401-13A ..	Tail Strut Overhaul Instructions	73

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Publication No	Title	Edition
WAP104D-0402-13A ..	Centering Cylinder Ovhl Instructions .. ..	73
WAP104F-3006-13A ..	Wheel (Main) IPB Ovhl Instructions .. ..	73
WAP104G-3002-13A ..	Wheel Assy Tail Ovhl IPB Instructions .. ..	73
WAP104J-3006-13A ..	Brake Assy IPB Ovhl Instructions .. ..	73
WAP104J-3007 ..	Rotor Brake Assy General Technical Information ..	73
WAP105B-1514-13A ..	Pump Mk.2 IPC General Technical Information ..	73
	Repair	
WAP105B-001-13A6 ..	Rotary Coupling Assembly .. ..	70
WAP105B-002-13A6 ..	Auxiliary Servo Cylinder Assy .. ..	72
WAP105B-003-13A6 ..	Slave Valve Steerer .. ..	71
WAP105B-005-13A6 ..	Accumulator General Technical Information IPC ..	70
WAP105B-006-13A6 ..	Three Way Valve .. ..	72
WAP105B-011-13A6 ..	Three Way Valve General Technical Information ..	72
WAP105B-015-1 ..	Flow Regulator Valves General Technical Information ..	72
WAP105B-0337-13A ..	Accumulator Assy General Technical Information ..	73
WAP105B-0430-13A ..	AC Filters General Technical Information IPC ..	72
WAP105B-0545-13A ..	Valve Parking Brake IPB Ovhl Instructions ..	73
WAP105B-0546-13A ..	Stick Trim Control Valve General Technical In-	73
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WAP105B-0548-13A ..	Speed Control Assy General Technical Information ..	73
WAP105B-0549-13A ..	Three Way Valve General Technical Information ..	73
WAP105B-0551-13A ..	General Technical Information IPC Overhaul Instr...	73
WAP105B-0552-13A ..	Valve Drain General Technical Information IPC ..	73
WAP105B-0656-13A ..	Manifold Assy General Technical Information IPC ..	73
WAP105B-0657-13A ..	Manifold General Technical Information IPC Over-	73
	haul	
WAP105B-0659-13A ..	Three Way Assembly Valve .. ..	73
WAP105B-0660-13A ..	Four Way Three Position Valve General Technical ..	73
WAP105B-0661-13A ..	Four Way Two Position Valve General Technical IPB	73
WAP105B-0662-13A ..	Valve Packing Steerer .. ..	73
WAP105B-0663-13A ..	Valve General Technical Information IPB Overhaul ..	73
WAP105B-0664-13A ..	Bottle Valve Assy General Technical Information ..	73
WAP105B-0666-13A ..	Valve Assy IPB Repair Overhaul Instructions ..	73
WAP105B-0668-13A ..	Shut Off Valve IPC General Technical Information ..	73
WAP105B-07170-13 ..	Valve Pressure Reducing IPC General Technical In-	73
	formation	
WAP105B-1311-13A ..	Cylinder Assy Master Repair Instructions ..	73
WAP105B-1312-13A ..	Cylinder Assy Master IPC General Technical In-	73
	formation	
WAP105B-1316-13A ..	Cylinder Assy Piston General Technical Information ..	73
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WAP105B-1414-13A ..	Unit Control Assy IPC General Technical Information ..	73
WAP105B-1514-13A ..	Pump Mk 2 IPC General Technical Information Repair	73
WAP105B-1524-13A ..	Hydraulic Motor .. ..	73
WAP105B-1529-13A ..	Hydraulic IPC General Technical Information ..	73
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WAP105B-1711-13A ..	Blade Dampers .. ..	73

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Publication No	Title	Edition
WAP105B-1800-13A ..	Coupling Aeroquip .. ..	72
WAP105C-001-13A6	Rotary Wing Blade Pressure Indicator IPB General	70
WAP105E-0185-13A ..	Cylinder Assy IPB General Technical Information ..	73
WAP105E-01107-13 ..	Engine Control Speed Quadrant .. ..	73
WAP106B-001-13A6 ..	Valve Overhaul Manual .. ..	70
WAP106B-0200-1F6 ..	Flexible Fuel Tanks Repairs General Technical In-	66
	formation	
WAP106B-0205-13A ..	Fuel Tanks IPC Repair General Technical Information	69
WAP106C-002-13A6	Fuel Ejector IPC Ovhl General Technical Information	72
WAP106C-0119-13A	Fuel Shut Off IPC General Technical Information ..	73
WAP106C-1201-13A6	Filter Assy IPB Ovhl General Technical Information	73
WAP106C-003-13A6	Valve Drain IPB Overhaul General Technical In-	72
	formation	
WAP106C-0117-13A	Valve High Level Shut Off IPC General Technical	73
	Information	

## ANNEXE B

## Amendments Issued to Recorded Holders of Publications

Publication No	Amendment/Change
AAP-ABO-SA .. ..	A27
AAP-ABO-SE .. ..	E56, E57, E58, No 899
AAP-ABO-SF .. ..	F46
AAP-ABO-SH .. ..	H15
AAP-ABO-SN .. ..	N4-N5/75, N6-N7/75
AAP-ABO-ST .. ..	T40, T41, T42
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AAP996.60 .. ..	7
AAP7000.002-1B1 ..	SCPO 4/75, SCPO 5/75
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AAP7111.009-3-1 ..	19
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AAP7152.005-3 ..	3
AAP7192.014-3M-2 ..	9
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AAP7210.010-100 ..	14
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AAP7211.006-4A-1 ..	7
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AAP7212.001-2-3 ..	35

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AAP7212.001-2-10	10
AAP7212.001-3	30, 31, 32, 33
AAP7212.001-6-6	7
AAP7221.005-3M	44, 45
AAP7221.014-3	2
AAP7225.001-3	17
AAP7276.159-3M	2
AAP7416.034-3M	6
AAP7431.107-3M	2
AAP7435.003-3M	9
AAP7521.004-3M	8
AAP7521.036-3M	5
AAP7521.042-3	5
AAP7521.046-3	2
AAP7531.008-3M	4
AAP7531.056-3M	3
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AAP7533.015-3M	15
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(465/61/228)

(Navy Orders 158/74 and 236/74)

UNCLASSIFIED

220/75—TG142—Standard Requirements for Identification Marking of Metallic Materials—Introduction

1. Large quantities of metallic materials are held in Supply Depots against construction and repair activities. In order that adequate assurance of the quality of end productions can be maintained, it is essential that these metallic 'raw materials' be readily and unambiguously identifiable. Alternatives to adequate marking of materials prior to storing (eg, metallurgical analysis) are time consuming and very expensive.

2. In order that material wastage and unnecessary use of laboratory facilities are kept to a minimum, Form TG142 'Standard Requirements for Identification Marking of Metallic Materials' was introduced to specify the method of marking metallic raw materials by suppliers. Responsible authorities should ensure that requirements specified in Form TG142 are also carried out when materials surplus to requirements are returned to store.

3. The attention of intending supply contractors should be drawn to the RAN requirements for identification marking of all metallic raw materials by ordering authorities making reference to Form TG142 on relevant orders and contract documents. Pads of the forms are available from SVSO, Sydney, source code 0086.

4. Navy Order 285/72 is hereby cancelled.

(400/1/1894)

(Navy Order 285/72)

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UNCLASSIFIED

220/75—TC142—Standard Requirements for Identification Marking of Metallic Materials—Introduction

1. Large quantities of metallic materials are held in supply Depot systems for maintenance and repair activities. In order that adequate assurance of the quality of such production can be maintained, it is essential that these materials be identified by marking and identification. Attention is drawn to the fact that marking of metallic materials is a time-consuming and very expensive process (eg. metallographic analysis) and that the marking of materials is a time-consuming and very expensive process.

2. In order that material wastage and unnecessary use of laboratory facilities are kept to a minimum, Form TC142 Standard Requirements for Identification Marking of Metallic Materials was introduced to specify the method of marking metallic materials by suppliers. Responsible authorities should ensure that requirements specified in Form TC142 are also carried out when materials supplied to requirements are returned to stock.

3. The amendment to Form TC142 should be drawn for the DPM.

4. Navy Order 282/75 is hereby cancelled.

5. Navy Order 282/75 is hereby cancelled.

AMENDMENTS

UNCLASSIFIED

221/75—Cover for Gyro Compass Repeaters

1. Navy Order 67/75 is to be amended as follows:

Paragraph 1 Line 1:

Delete: Defence Stock No 6605-66-075-9375.

Insert: Defence Stock No 6605-66-075-9395.

(Navy Order 67/75)

(1/6605/76)

UNCLASSIFIED

222/75—Scale of Allowances of Swords and Accessories for Ceremonial and Training Purposes—Officers

1. Navy Order 403/74 is to be amended as follows:

Annexe A—Scale of Allowance of Swords and Accessories:

The number of sets allotted to HMAS MORETON is to be increased from eight to eleven.

(Navy Order 403/74)

(1/8465/15)

AMENDMENTS

UNCLASSIFIED

22175—Cover for Gyro Compass Repairs

1. Navy Order 67173 is to be amended as follows:

Paragraph 1 Line 1:

Order: Defense Stock No 6602-66-072-9372

Lower Defense Stock No 6602-66-072-9382

(1160276)

(Navy Order 67173)

UNCLASSIFIED

22275—Scale of Allowances of Swords and Accessories for Ceremonial and Training Purposes—Officers

1. Navy Order 40274 is to be amended as follows:

Annex A—Scale of Allowance of Swords and Accessories

The number of sets allotted to HMSA MORETON is to be increased from eight to eleven.

(11846712)

(Navy Order 40274)



**RESTRICTED**

**RESTRICTED**

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ANOs 223/75-237/75



HISTORIAN  
VICTORIA BARRACKS  
MELBOURNE

# AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,  
27 August 1975.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

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234/75	Passage Instructions—Overseas Travel from Australia.
235/75	Recommendations for Submarine Command.
236/75	Technical Branch Sailors—New Titles and Badges.
237/75	Uniform Clothing—Working Dress for Sailors of the Cook, Medical and Dental Categories.

Additional copies of Navy Orders may be readily obtained by:

- signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- telephoning Navy Office, Canberra 65 4718.

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

223/75—Safety—Use of Lifelines

1. Tended lifelines are to be worn when working in elevated or dangerous spaces. Lifelines are to be kept in hand with turns appropriate to the expected load and with slack appropriate for restricted movement only. Lifelines are never to be made fast.
2. Occasions for use of lifelines:
  - a. Divers are to wear lifelines as listed in ABR 155 (Diving Manual).
  - b. When working over the side a lifeline must be worn by non-swimmers at all times and by all men when the ship is underway, in a strong tideway, or in a drydock.
  - c. When working aloft, if a safety belt is not worn a safety rope is to be rove to a point higher than the man if he is to work beyond the scope of ladders or foot ropes.
  - d. A rope lifeline must be attached to a swimmer during rescue operations. A second line must be taken if a rescue is being attempted.
  - e. As directed by BR 3000 (Engineering Manual) Articles 0684 and 0687.
  - f. When working with self contained breathing apparatus a lifeline may be used in lieu of a guide line.

(177/1/66)

Section 2

PERSONNEL

UNCLASSIFIED

224/75—Marine Engineering Sailors—Civil Certificates of Competence

1. A new format for application for Certificates of Competency for Steam, Internal Combustion, and Refrigeration Engine Drivers and Boiler Attendants, has been introduced and is shown at Annex A to this order. This form is the result of consultation with the Australian Department of Labor Advisory Committee, and is acceptable to the Statutory Authorities of all Australian States. A list of these Authorities is given in RI Appendix 10D.

2. It is emphasised that the introduction of this common form of application will not necessarily alter the individual State's requirements for the award of particular Certificates as shown in RI Appendix 10D.

3. Initial stocks of the new forms will be forwarded, without demand, to the MEOs of sea-going ships and Squadron EOs of Minor War Vessel Squadrons. Additional forms may be obtained by applying direct to:

The Director of Naval Training  
 Room 2-17, Building D  
 Department of Defence (Navy)  
 CANBERRA ACT 2600.

4. Since employment records are not maintained in sufficient detail, these forms can only be completed prior to the sailor's posting from a sea-going ship or MWV Squadron. It is incumbent upon each sailor to request that his Head of Department (or Squadron EO) completes the relevant sections of the form prior to being posted. The form should then be retained by the sailor.

5. The forms are to be completed in typescript, and signed by the Marine Engineer Officer, quoting the ship or MWV Squadron.

6. This Navy Order will be reprinted for posting on notice boards.

7. Navy Order 123/73 is hereby cancelled.

ANNEXE A

STATE STATUTORY AUTHORITIES CERTIFICATES OF COMPETENCY FOR STEAM, INTERNAL COMBUSTION, REFRIGERATION ENGINE DRIVERS, AND BOILER ATTENDANTS

Statement of Experience in RAN

This is to certify that.....has served for.....years from.....to.....and attained the rank of.....in the Royal Australian Navy (Service No ..... ) and the following are true and actual statements of his qualifications and operating experience during this service. (Delete any references which are not applicable and insert details where required.)

1. That he has completed an apprenticeship as a mechanical fitter and turner (proof of Apprenticeship on Tradesman's Rights to be produced).

YES/NO.

2. That he has been awarded the following certificates:

Date

- Machinery Charge
Engine Room Watchkeeping
Boiler Room Watchkeeping
Auxiliary Watchkeeping.

3. That he has operated or assisted in the operation of Fire Tube and/or Water Tube boilers as follows:

Table with 3 columns: Heating Surface Area (sq. ft.) each boiler, Hours in Charge, Hours Assisting. Includes three rows of dotted lines for data entry.

ANNEXE A—continued

4. That he has operated, or assisted in the operation of steam engines or steam turbines as follows:

Table with 4 columns: Turbine HP, Aggregate Engine Cylinder Area (sq. in.), Hours in Charge, Hours Assisting. Includes three rows of dotted lines for data entry.

5. That he has operated, or assisted in the operation of Internal Combustion Engines as follows:

Table with 4 columns: Aggregate Cylinder Area (sq. in.), Hours in Charge, Hours Assisting. Includes three rows of dotted lines for data entry.

6. That he has operated or assisted in the operation of Refrigeration Machinery driven by engines or motors as follows:

Table with 4 columns: Aggregate Engine HP, Tons of Refrigeration, Hours in Charge, Hours Assisting. Includes three rows of dotted lines for data entry.

7. That, since the completion of his Apprenticeship, he has been employed in the making, repairing, or installation of steam engines or steam turbines as follows:

Table with 2 columns: Type of Work, Hours. Includes three rows of dotted lines for data entry.

8. That his reliability, ability, and general good conduct were satisfactory.

ENGINEER OFFICER

Notes: 1. If more than one boiler has been operated, the heating surface area is the area of individual boilers.

2. A similar summary applies for steam engine cylinder areas, steam turbine horse powers, internal combustion engine cylinder areas, and refrigeration machinery engine horse powers.

(Navy Order 123/73)

(134/1/70)

## UNCLASSIFIED

**225/75—Conjoint Medical Responsibility for Service Personnel**

1. Members who obtain medical advice and treatment from sources other than those provided or arranged by the Navy are to report to their Naval Medical Officer at the first opportunity.

2. This order will be reprinted for posting on notice boards.

3. Navy Order 255/72 is hereby cancelled.

(301/1/31)

(Navy Order 255/72)

## UNCLASSIFIED

**226/75—RATSTRUC Technical Branch Sailors—Award of the Trade Proficiency Certificate**

1. The Trade Proficiency Certificate (Form PH163) is designed to assist certain specially trained service tradesmen to gain civil recognition under the Tradesman's Rights Regulation Act on discharge from the Navy.

2. This certificate has been agreed to by the Central (Engineering and Electrical Trades) Committee and the Department of Labor and Immigration who have also agreed to it being awarded on discharge to Warrant Officers, Chief Petty Officers and Petty Officers, and to Leading Sailors who are fully qualified and recommended in all respects for promotion to Petty Officer but who have not been promoted due to lack of vacancy, in the following categories:

<i>Service Category</i>	<i>Recognised Civil Trade Classification</i>
a. Chief and Petty Officer Marine Technical Propulsion (Ex Chief Mechanician/Mechanician) ..	Fitter and Turner
b. Chief and Petty Officer Air Technical Aircraft (Ex Chief Aircraft Mechanician/Aircraft Mechanician) .. .. .	Fitter and Turner
c. Chief and Petty Officer Air Technical Aircraft (Ex Chief Petty Officer/Petty Officer Air Mechanician Airframes/Engines) .. .. .	Aircraft Mechanician
d. Chief and Petty Officer Air Technical Weapons (Ex Chief Aircraft Mechanician Weapons/ Aircraft Mechanician Weapons) .. .. .	Fitter and Turner
e. Chief and Petty Officer Air Technical Weapons (Ex Chief Petty Officer/Petty Officer Air Mechanician Weapons) .. .. .	Aircraft Mechanician
f. Chief and Petty Officer Air Technical Weapons (Ex Chief Petty Officer/Petty Officer Electrician Air Weapons) .. .. .	*Aircraft Electrician
g. Chief and Petty Officer Marine Technical Power Electrics (Ex Chief Petty Officer/Petty Officer Electrician Power) .. .. .	*Electrical Fitter

*Service Category**Recognised Civil Trade Classification*

h. Chief and Petty Officer Electronic Technical Systems (Ex Chief Petty Officer/Petty Officer Weapons Electronic) .. .. .	*Electrical Fitter
i. Chief and Petty Officer Electronic Technical Weapons (Ex Chief Petty Officer/Petty Officer Electrician Power) .. .. .	*Electrical Fitter
j. Chief and Petty Officer Electronic Technical Systems (Ex Chief Petty Officer/Petty Officer Electrician Weapons Radio) .. .. .	*Tradesman Radio
k. Chief and Petty Officer Electronic Technical Communications (Ex Chief Petty Officer/Petty Officer Electrician Communications) .. .. .	*Tradesman Radio
l. Chief and Petty Officer Air Technical Communications (Ex Chief Petty Officer/Petty Officer Electrician Air Communications) .. .. .	*Tradesman Radio

*Note* \*. Attention is drawn to the fact that the holder of the certificate of recognition as a recognised tradesman, marked with an asterisk in the above, is not entitled to be employed on electrical operations for the performance of which the holding of a licence or certificate is required by the law of the Australian Government or State unless he holds such a licence or certificate.

3. Application for the Trade Proficiency Certificate may be made by the sailor concerned up to twelve months before discharge, otherwise it will be automatically issued on discharge if the sailor is eligible. The application is to be forwarded to Navy Office and the Trade Proficiency Certificate will be forwarded to the sailor's Commanding Officer for issue to the applicant. If issue is required prior to discharge, the certificate can only be compiled to date of issue and will not be updated to cover the sailors remaining service.

4. The Trade Proficiency Certificate (TPC) may be awarded to those RATSTRUC Technical Sailors who comply with the following conditions:

- the satisfactory completion of a period of formal trade training;
- the successful passing of the appropriate trade test or trade examination;
- the serving of the one complete engagement of at least six years in the RAN;
- holds the minimum rank of Petty Officer or of a Leading Seaman who is fully qualified and recommended in all aspects for promotion to Petty Officer;
- is recommended by his Commanding Officer, who must be satisfied that the sailor concerned possesses the necessary degree of skill and knowledge to fit the civil trade classification in which he is to be recognised, at the time of the recommendation; and
- the sailor's technical efficiency must not have been assessed lower than 'satisfactory', ie, box five or above, for job performance on the Performance Evaluation Report (Form PP1) or level E for Task Execution on the new Performance Evaluation Report (Form PP1A), during the three years prior to the award of the Trade Proficiency Certificate.

5. Advice of the date when a sailor is considered eligible for the award of the Trade Proficiency Certificate and a skill grading level 'three' is to be forwarded to Navy Office, where the award will be verified and recorded on his personal record. The date of award being that date that the sailor gains the last requirement detailed in Paragraph 4.

6. Application for the issue of a certificate of recognition as a recognised tradesman under the Tradesman's Rights Regulation Act should be made by the holder of a Trade Proficiency Certificate to the Local Trades Committee at the office of the Department of Labor and Immigration, one of which is located in the capital city of each State.

7. RI Article 1069, Amendment No 37, is to be noted pending amendment.

8. Navy Order 330/73 is hereby cancelled.

(303/35/89)

(Navy Order 330/73)

## UNCLASSIFIED

### 227/75—University Courses for Instructor Officers—Civil Schooling Scheme

1. This order details the Civil Schooling Scheme whereby Instructor Officers may improve their academic qualifications at departmental expense. The aim of the scheme is to provide opportunities for officers to gain qualifications which will be of assistance in the performance of their duties whilst at the same time contributing to the overall efficiency of the Service by allowing as many officers as possible to gain a high standard of education.

#### Courses Available

2. Instructor Officers may apply to undertake study at departmental expense as follows, provided such courses of study meet Service requirements:

- a. Full-time, part-time or own-time courses to complete the requirements of a Science degree.
- b. Part-time or own-time courses to complete single subjects in the Faculties of Science, Arts or Education.
- c. Part-time or own-time courses to complete the Diploma of Education or Diploma of Educational Administration.

#### Other Courses

3. Applications for higher degree studies or non-approved other studies are to be submitted for consideration before 1 March of the year preceding the academic year when the course is desired to be undertaken. Each application must be accompanied by a very strong case of a definite Service requirement for a particular officer to undertake studies that meet the needs of the Service. Where such a need is established, the application will be forwarded to the Director-General of Training and Education Policy for endorsement.

#### Methods of Selection

4. The number of officers obtaining approval for full-time, part-time or own-time studies will be limited by the needs of the Service and training commitments, and after due consideration of the worthiness of the applicant to undertake the course at departmental expense. It is not the intention to sponsor the full period of degree or diploma studies and it is expected that applicants will have shown their worthiness by having achieved certain units towards the qualification in their own time and at their own expense before enrolling under the scheme.

5. If at the date of application the officer is currently undertaking studies under the scheme, approval of the application will be conditional on complete success in current studies. A full report certifying complete success in these studies must be submitted before proceeding to enrol in conditionally approved studies (see Paragraph 12). In the event of failure in one or more units in current studies, such approval is automatically rescinded.

#### Application

6. Application for selection must be made through normal Service channels and should reach Navy Office three months before the commencement of the annual courses or semester courses applied for. The application, which will be approved for a maximum of twelve months at any one time, must include the following details:

- a. Title of degree or diploma.
- b. University at which it is intended to enrol, together with student number if known.
- c. Units already progressed towards course before the initial enrolment under the scheme.
- d. Previous units undertaken through the scheme.
- e. Units being currently studied under the scheme at the time of application.
- f. Units requested in respect of the present application.
- g. Subsequent units necessary to complete degree or diploma course.
- h. Nature of study required: whether full-time, part-time or own-time. If part-time, the number of hours per week (including travelling time) should be stated. Full-time and part-time studies are to be accompanied by detailed recommendations from the Commanding Officer.
- i. Approximate costs, including textbooks, instruments, etc.
- j. Due dates:
  - (1) for enrolment;
  - (2) for commencement.

#### Expenses

7. Expenses payable by the Department will be all expenses levied by the university without payment of which the member would not be permitted to undertake the course for which enrolled. All course expenses are to be paid by the Supply Officer.

#### Textbooks

8. When approval for study is granted, and textbook requirements are known, the current edition of the Central Reference Libraries catalogue should be consulted to see if the books are already held. A full list of the prescribed textbooks not held,

showing complete bibliographical details, is to be forwarded to the Director of Naval Education Services as soon as possible. Textbooks will be issued to Central Reference Libraries for issue on loan to the approved applicant for the duration of the course, and must be returned to the libraries concerned on completion or cancellation of the course.

#### Residence

9. Full-time or part-time students, appointed to a Naval training establishment in the vicinity of the university to be attended, will attend the lectures as part of their Naval duties, and will be subject to normal Naval discipline, administration, leave, etc. Full-time students may reside at a Naval establishment, in college, or at home if it is conveniently near the place of study, but must carry out training duties at the Naval training establishment during university vacations.

#### Vacation Schools

10. Approval is given for Instructor Officers, who are enrolled under the order for courses which demand attendance at vacation schools, to attend those schools, and to be issued with duty travel warrants for the journey to and from the university. Officers will be considered to be on duty during the period of these schools. This does not apply to Instructor Officers serving in HMA ships, or to officers in HMAS LEEUWIN who undertake external studies courses with institutions in the Eastern States. Further, it does not apply to officers attached to HMAS BASILISK, except for those enrolled with the University of Queensland for subjects in which vacation schools are conducted in Papua New Guinea.

#### Course Failures and Withdrawals

11. In all cases where the results are failure or withdrawal, or such as to require the whole or part of the course to be repeated before proceeding to the next stage, thus involving additional cost to the Department, approval for the course to continue will be at the discretion of the Naval Board. Approval to re-enrol for a failed course (or nominated alternative course) will be normally given in one of two ways:

- a. at public expense—only where failure is the direct result of circumstances beyond the control of the student;
- b. at the officers expense—in all other circumstances.

(For the purposes of course failure, 'course' is defined as that part of the total studies currently approved that has actually been failed in any one year.)

#### Reporting Course Results

12. Commanding Officers are to forward to Navy Office documentary evidence of course results as soon as they are available. Delay in forwarding results will prejudice the entitlement of the student to enrol for studies which have been provisionally approved.

13. When forwarding course results which include failure or withdrawal, the covering letter is to submit proposals for modifying any earlier application for continuation of studies; such proposals should take account of the rules for course failures detailed in Paragraph 11. Commanding Officers should also detail any circumstances which may justify the continuation of a failed course at departmental expense.

#### Further Service

14. Officers who have been selected for full-time or part-time training under this order will be required to give return of service after the expiration of courses as laid down in RI Article 0347 (6) (v). For the assessment of return of service for part-time courses, each forty hours of time off during working hours will be deemed to be equivalent to one week of full-time training; ie, part-time courses of up to 400 hours will require no return of service, 401-800 hours will require a return of one year, and so on. No return of service will be required for own-time courses.

#### Enrolment Procedure with the University of Queensland

15. When it is desired to undertake studies with the University of Queensland, all correspondence must be addressed to:

Deputy Assistant Director of Army Education (DADAE)  
Headquarters Northern Command  
Victoria Barracks  
BRISBANE QLD 4000.

DADAE will acknowledge receipt of correspondence.

16. Navy Order 289/72 is hereby cancelled.

(311/4/285)

(Navy Order 289/72)

### Section 4

## EQUIPMENT, STORES AND SERVICING

### UNCLASSIFIED

#### 228/75—Self Contained Breathing Apparatus (SCBA) for Surface Use

1. The Royal Australian Navy has, since 1964, made use of the Normalair C2000 and the Normalair C880 Self Contained Breathing Apparatus Units for damage control and fire-fighting. It has now been found necessary to upgrade both of these units to a more modern standard. To this end it is intended to carry out a conversion program on these units. The converted unit will use components which are common to both sets plus some new components, to give a single stage breathing unit compatible with the latest commercial standards.

2. The conversion of the Normalair C2000 to a single stage unit will remove the present underwater capability of the unit. The duties previously a task of damage control personnel, ie, internal underwater ship repair, will in future be carried out by ships divers using either CABA or SSBA.

3. The conversion of all units will take place on a gradual basis, either as units are returned for repair or for biennial inspection. It is expected that all units will be converted within twelve months.

4. An instructional and maintenance manual for the new SCBA is in course of production and will be issued as soon as possible. This manual will contain a list of all component parts of the unit and will give direction on the type and nature of repairs which may be carried out by the user. Unlike the Normalair units, user repair will normally be completed by replacing the complete unserviceable sub-unit.

5. Normalair C2000 units are not to be used in their underwater mode from the receipt of this order.

(1/4220/96)



## UNCLASSIFIED

**229/75—Stores (General)—Request for Consolidated List of Outstanding Requirements (CLOR)—Discontinuance of Supply Depot Copy**

1. As from 13 June 1975 production was discontinued of the Supply Depot copy of a Consolidated List of Outstanding Requirements (CLOR), that was requested by an authority other than the Supply Depot.

2. Initially this change to procedures applies to all Supply Depots, except the Machinery and Spares Depot, Randwick (MC ØØ51).

3. As all Supply Depots (other than Machinery and Spares Depot) will now not have a copy of the CLOR, supply status should only be requested for those items which are urgently required or for which problems can be foreseen if supply is not effected by a specified date.

4. This change in procedure does not effect the special CLOR procedures detailed in ABR 4 Article 0641 for ships about to depart for service outside Australian waters.

(72/1/206)

## Section 5

**BOOKS, CORRESPONDENCE, FORMS AND STATIONERY**

## UNCLASSIFIED

**230/75—Cataloguing of Publications applicable to Commercial Equipments—Policy concerning allocation of TEM (Technical Equipment Manual) Catalogue Numbers****Introduction**

1. Previously all miscellaneous publications were catalogued and recorded as Miscellaneous Books of Reference (MBR). Catalogue numbers in the MBR series were allocated on an accession basis, and because of this, it has proved difficult to relate publications numbers to equipments.

2. To overcome the problem, catalogue numbers in the Technical Equipment Manual (TEM) series have been introduced. The first group of four numeric characters in this series represent the Defence Stock Group Class number applicable to the equipment covered by the publication. The second group of numeric characters represents the serial number in acquisition sequence for each title within each stock class. In some instances a third numeric denominator is used to represent individual publications of a set which are all applicable to the same major equipment.

3. In future, publications for commercial equipment will be catalogued only in any of the following circumstances:

- they are required in support of equipment fitted in commissioned ships, commissioned establishments or support craft;
- they are to be widely distributed (ie, to more than two addressees other than commissioned ships, establishments or support craft);
- it is intended that they be repetitively procured (ie, it is proposed to procure further identical equipment at a later date).

4. Publications supplied by contractors, which fall into any of the above categories, are to be passed by the receiving authority to the Navy Publications Store, Royal Edward Victualling Yard, Jones Bay Road, Pyrmont, for cataloguing, recording and subsequent distribution by the Executive Officer Publications.

5. Publications not meeting any of the criteria in Paragraph 3 (eg, publications for Dockyard Machinery and Plant equipment, Supply Division Materials Handling equipment, etc) should be accounted for under local arrangements.

6. Any necessary requests for publications required in support of commercial equipments are to be submitted in accordance with Navy Order 236/74 providing the following information:

- Equipment Manufacturer and/or Source of Supply;
- full description of equipment including part number and serial number;
- Contract/Order number against which the equipment was supplied.

(7530/1/16)

(Navy Order 236/74)

## RESTRICTED

**231/75—Meteorological Publications Forms, and Charts—Supply and Accounting Arrangements****Responsibilities**

1. The responsibility for the supply of Meteorological publications is being transferred from the Hydrographer to the Publications Authority. After this transfer the responsibility for the supply of Meteorological items will be as follows:

- Meteorological working charts and Admiralty List of Radio Signals—Hydrographer.
- Charts for barographs and other instruments—General Naval Stores.
- Commonwealth Bureau of Meteorology charts, forms and publications for RAN Air Station only—Senior Meteorological Officer, RAN Air Station, is authorised to obtain supplies direct from CBM.
- All other publications and charts—Publications Authority.
- Forms—Superintending Victualling Stores Officer (Source Code 0086).

**Establishments**

2. The establishments of publications for all ships except HMAS MELBOURNE are given in Annexe A to this order. The establishment of publications for RANAS and HMAS MELBOURNE will be given in the NAVPUB printouts. An establishment of Meteorological working charts is listed in each navigational chart folio and in the Hydrographic Supplies Handbook.

**Supply**

3. The initial supply of publications to newly commissioned ships will be made without demand. Requirements for publications in excess of approved scales are to be submitted to the Executive Officer Publications, Garden Island, on Form SO150 in accordance with Navy Order 236/74.

**Custody**

4. The Meteorological Officer, or if no Meteorological Officer is borne, the Navigating Officer is responsible for the custody, and amendment as necessary, of Meteorological publications.

**Corrections**

5. Corrections to ALRS are promulgated in Admiralty Notices to Mariners. Amendments to all other publications will be supplied by the Publications Authority.

**Meteorological Working Charts**

6. An initial supply of Meteorological charts appropriate to the area concerned will be supplied without demand by the Hydrographer whenever a chart folio is issued. A wider range of charts is available for ships with full Meteorological organisations.

7. Further supplies of Meteorological charts are to be demanded from the Hydrographer as requisite. Stocks are not to exceed six months estimated requirements unless the ship is about to leave Australia when stocks may be brought up to twelve months requirements.

**ANNEXE A****Establishment of Meteorological Publications and Forms  
all Ships (Except HMAS MELBOURNE)**

Reference No	Title	Establishment
—	ALRS Vol. 3 (Met. Codes and Services)	1
MET-MO716	.. Cloud Types for Observers .. .. .	1
MET-W8 (Forms)	.. Meteorological Log .. .. .	1*
MET-W8a (Forms)	.. Meteorological Log Working Pages .. .. .	200*
MET-W15	.. International Analysis and Prognosis Code .. .. .	1
MET-M0265b	.. Hygrometric Tables for use with Stevenson Screen (°C) .. .. .	1
MET-M0522	.. Marine Observers Handbook .. .. .	1
MET-0001	.. Manual of Meteorology (CBM) .. .. .	1

Note: \* Ships not complemented for Meteorology Sailor are issued with Selected Ships Meteorological Log (Form M0911) in lieu.

**Additional Publications for Ships Complemented for Meteorology Sailor**

MET-M0593	.. Meteorology for Mariners .. .. .	1
MET-M0484	.. Atlas of Meteorological Charts Western Pacific Ocean .. .. .	1
MET-M0805	.. Observers Handbook .. .. .	1

**Additional Publications for Ships Carrying Helicopters**

MET-0001 AV SUP	.. Manual of Meteorology (CBM) Aviation Supplement .. .. .	1
MET-M0630	.. Handbook of Aviation Meteorology .. .. .	1

(7640/1/60)

(Navy Order 236/74)

**AMENDMENTS****UNCLASSIFIED****232/75—Allowances and Conditions for Oversea Service Trainees Training  
in Australia under Defence Co-operation Agreement**

1. Navy Order 111/75 is to be amended as follows:

**Paragraph 2 b. (1) after fourth sentence:**

*Insert:* 'Trainees will be retained in Australia for a maximum period of two weeks after the completion of their training, if the delay will enable use of Service or charter flights. Conversely, a trainee will be booked to travel to Australia up to a maximum of two weeks early for the commencement of a course or pre-course training if the early travel will enable use of Service or charter flights. In other cases commercial airflights should be used.'

(189/80/1014)

(Navy Order 111/75)

**UNCLASSIFIED****233/75—Information Concerning and Distribution of Publications and  
Amendments Managed by Executive Officer Publications,  
Sydney—February 1975**

1. Navy Order 146/75 is to be amended as follows:

**Annexe C:****Delete:**

Publication No	Title	Remarks
BR 1971	Visual Signalling and Equip H/Bk	Superseded by BR 222 (2 and 5)

(465/61/228)

(Navy Order 146/75)

**UNCLASSIFIED****234/75—Passage Instructions—Overseas Travel from Australia**

1. Navy Order 398/74 is to be amended as follows:

**Add new paragraph:****Alterations to Bookings**

28. All bookings for overseas travel are made by the Director of Movements and Transport—Navy and they are not to be altered in any way by any authority or passenger without prior reference to DMOVT—N.

**Paragraphs 1, 12 and 25:**

*Delete:* 'Director, Movements Division'.

*Insert:* 'Director of Movements and Transport—Navy'.

(187/51/310)

(Navy Order 398/74)

RESTRICTED

235/75—Recommendations for Submarine Command

1. Navy Order 76/74 is to be amended as follows:

Paragraph 4 b:

Delete: Officers serving in the First Australian Submarine Squadron.

Insert: Officers serving in RAN Submarine Squadron and SCTT billets.

(519/5/33)

(Navy Order 76/74)

UNCLASSIFIED

236/75—Technical Branch Sailors—New Titles and Badges

1. Navy Order 43/73 is to be amended as follows:

Delete: Paragraph 3.

Re-number following paragraphs accordingly.

(303/35/89)

(Navy Order 43/73)

UNCLASSIFIED

237/75—Uniform Clothing—Working Dress for Sailors of the Cook, Medical and Dental Categories

1. Navy Order 53/75 is to be amended as follows:

Delete: Annexe A.

Insert: New Annexe A as follows:

ANNEXE A

Class	Catalogue No	Description	Unit of Issue	Acct'g Class'n	Price \$
8405	66-072-7292	SHIRT, MAN'S, POLYESTER/VISCOSE, LOAN, SUMMER, WHITE, LONG SLEEVE, WORKING DRESS: SIZE 13½	EA	P	6.42
8405	66-072-7293	SHIRT, MAN'S, POLYESTER/VISCOSE, LOAN, SUMMER, WHITE, LONG SLEEVE, WORKING DRESS: SIZE 14	EA	P	
8405	66-072-7294	SHIRT, MAN'S, POLYESTER/VISCOSE, LOAN, SUMMER, WHITE, LONG SLEEVE, WORKING DRESS: SIZE 14½	EA	P	
8405	66-072-7295	SHIRT, MAN'S, POLYESTER/VISCOSE, LOAN, SUMMER, WHITE, LONG SLEEVE, WORKING DRESS: SIZE 15	EA	P	
8405	66-072-7296	SHIRT, MAN'S, POLYESTER/VISCOSE, LOAN, SUMMER, WHITE, LONG SLEEVE, WORKING DRESS: SIZE 15½	EA	P	



ANNEXE A—continued

Class	Catalogue No	Description	Unit of Issue	Acct'g Class'n	Price \$
8405	66-080-0411	TROUSERS, MEN'S, DRILL, WHITE, WORKING DRESS, LOAN: SIZE 6½	PR	V	9.19
8405	66-080-0412	TROUSERS, MEN'S, DRILL, WHITE, WORKING DRESS, LOAN: SIZE 7	PR	V	
8405	66-080-0413	TROUSERS, MEN'S, DRILL, WHITE, WORKING DRESS, LOAN: SIZE 7A	PR	V	
8405	66-079-8916	TROUSERS, MEN'S, POLYESTER/VISCOSE, WHITE, W/D, LOAN: SIZE 3	PR	C	10.20
8405	66-079-8917	TROUSERS, MEN'S, POLYESTER/VISCOSE, WHITE, W/D, LOAN: SIZE 3½	PR	C	
8405	66-079-8918	TROUSERS, MEN'S, POLYESTER/VISCOSE, WHITE, W/D, LOAN: SIZE 3½	PR	C	
8405	66-079-8919	TROUSERS, MEN'S, POLYESTER/VISCOSE, WHITE, W/D, LOAN: SIZE 4	PR	C	
8405	66-079-8920	TROUSERS, MEN'S, POLYESTER/VISCOSE, WHITE, W/D, LOAN: SIZE 4½	PR	C	
8405	66-079-8921	TROUSERS, MEN'S, POLYESTER/VISCOSE, WHITE, W/D, LOAN: SIZE 4½	PR	C	
8405	66-079-8922	TROUSERS, MEN'S, POLYESTER/VISCOSE, WHITE, W/D, LOAN: SIZE 5	PR	C	
8405	66-079-8923	TROUSERS, MEN'S, POLYESTER/VISCOSE, WHITE, W/D, LOAN: SIZE 5½	PR	C	
8405	66-079-8924	TROUSERS, MEN'S, POLYESTER/VISCOSE, WHITE, W/D, LOAN: SIZE 5½	PR	C	
8405	66-079-8925	TROUSERS, MEN'S, POLYESTER/VISCOSE, WHITE, W/D, LOAN: SIZE 6	PR	C	
8405	66-079-8926	TROUSERS, MEN'S, POLYESTER/VISCOSE, WHITE, W/D, LOAN: SIZE 6½	PR	C	
8405	66-079-8927	TROUSERS, MEN'S, POLYESTER/VISCOSE, WHITE, W/D, LOAN: SIZE 6½	PR	C	
8405	66-079-8928	TROUSERS, MEN'S, POLYESTER/VISCOSE, WHITE, W/D, LOAN: SIZE 7	PR	C	
8405	66-079-8929	TROUSERS, MEN'S, POLYESTER/VISCOSE, WHITE, W/D, LOAN: SIZE 7A	PR	C	

(901/65/29)

(Navy Order 53/75)

RESTRICTED

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Appendix A—continued

Item No.	Quantity	Description	Unit	Class
4401	44-070-4411	TROUSERS MEN'S DRILL, WHITE WORKING DRESS LOAN, SIZE 42	PR	Y
4402	44-080-4411	TROUSERS MEN'S DRILL, WHITE WORKING DRESS LOAN, SIZE 38	PR	Y
4403	44-080-4411	TROUSERS MEN'S DRILL, WHITE WORKING DRESS LOAN, SIZE 34	PR	Y
4404	44-070-4412	TROUSERS MEN'S POLYESTER/VISCOSE, WHITE WID. LOAN, SIZE 42	PR	C
4405	44-070-4412	TROUSERS MEN'S POLYESTER/VISCOSE, WHITE WID. LOAN, SIZE 38	PR	C
4406	44-070-4412	TROUSERS MEN'S POLYESTER/VISCOSE, WHITE WID. LOAN, SIZE 34	PR	C
4407	44-070-4413	TROUSERS MEN'S POLYESTER/VISCOSE, WHITE WID. LOAN, SIZE 42	PR	C
4408	44-070-4413	TROUSERS MEN'S POLYESTER/VISCOSE, WHITE WID. LOAN, SIZE 38	PR	C
4409	44-070-4413	TROUSERS MEN'S POLYESTER/VISCOSE, WHITE WID. LOAN, SIZE 34	PR	C
4410	44-070-4414	TROUSERS MEN'S POLYESTER/VISCOSE, WHITE WID. LOAN, SIZE 42	PR	C
4411	44-070-4414	TROUSERS MEN'S POLYESTER/VISCOSE, WHITE WID. LOAN, SIZE 38	PR	C
4412	44-070-4414	TROUSERS MEN'S POLYESTER/VISCOSE, WHITE WID. LOAN, SIZE 34	PR	C
4413	44-070-4415	TROUSERS MEN'S POLYESTER/VISCOSE, WHITE WID. LOAN, SIZE 42	PR	C
4414	44-070-4415	TROUSERS MEN'S POLYESTER/VISCOSE, WHITE WID. LOAN, SIZE 38	PR	C
4415	44-070-4415	TROUSERS MEN'S POLYESTER/VISCOSE, WHITE WID. LOAN, SIZE 34	PR	C
4416	44-070-4416	TROUSERS MEN'S POLYESTER/VISCOSE, WHITE WID. LOAN, SIZE 42	PR	C
4417	44-070-4416	TROUSERS MEN'S POLYESTER/VISCOSE, WHITE WID. LOAN, SIZE 38	PR	C
4418	44-070-4416	TROUSERS MEN'S POLYESTER/VISCOSE, WHITE WID. LOAN, SIZE 34	PR	C
4419	44-070-4417	TROUSERS MEN'S POLYESTER/VISCOSE, WHITE WID. LOAN, SIZE 42	PR	C
4420	44-070-4417	TROUSERS MEN'S POLYESTER/VISCOSE, WHITE WID. LOAN, SIZE 38	PR	C
4421	44-070-4417	TROUSERS MEN'S POLYESTER/VISCOSE, WHITE WID. LOAN, SIZE 34	PR	C
4422	44-070-4418	TROUSERS MEN'S POLYESTER/VISCOSE, WHITE WID. LOAN, SIZE 42	PR	C
4423	44-070-4418	TROUSERS MEN'S POLYESTER/VISCOSE, WHITE WID. LOAN, SIZE 38	PR	C
4424	44-070-4418	TROUSERS MEN'S POLYESTER/VISCOSE, WHITE WID. LOAN, SIZE 34	PR	C
4425	44-070-4419	TROUSERS MEN'S POLYESTER/VISCOSE, WHITE WID. LOAN, SIZE 42	PR	C
4426	44-070-4419	TROUSERS MEN'S POLYESTER/VISCOSE, WHITE WID. LOAN, SIZE 38	PR	C
4427	44-070-4419	TROUSERS MEN'S POLYESTER/VISCOSE, WHITE WID. LOAN, SIZE 34	PR	C
4428	44-070-4420	TROUSERS MEN'S POLYESTER/VISCOSE, WHITE WID. LOAN, SIZE 42	PR	C
4429	44-070-4420	TROUSERS MEN'S POLYESTER/VISCOSE, WHITE WID. LOAN, SIZE 38	PR	C
4430	44-070-4420	TROUSERS MEN'S POLYESTER/VISCOSE, WHITE WID. LOAN, SIZE 34	PR	C
4431	44-070-4421	TROUSERS MEN'S POLYESTER/VISCOSE, WHITE WID. LOAN, SIZE 42	PR	C
4432	44-070-4421	TROUSERS MEN'S POLYESTER/VISCOSE, WHITE WID. LOAN, SIZE 38	PR	C
4433	44-070-4421	TROUSERS MEN'S POLYESTER/VISCOSE, WHITE WID. LOAN, SIZE 34	PR	C
4434	44-070-4422	TROUSERS MEN'S POLYESTER/VISCOSE, WHITE WID. LOAN, SIZE 42	PR	C
4435	44-070-4422	TROUSERS MEN'S POLYESTER/VISCOSE, WHITE WID. LOAN, SIZE 38	PR	C
4436	44-070-4422	TROUSERS MEN'S POLYESTER/VISCOSE, WHITE WID. LOAN, SIZE 34	PR	C
4437	44-070-4423	TROUSERS MEN'S POLYESTER/VISCOSE, WHITE WID. LOAN, SIZE 42	PR	C
4438	44-070-4423	TROUSERS MEN'S POLYESTER/VISCOSE, WHITE WID. LOAN, SIZE 38	PR	C
4439	44-070-4423	TROUSERS MEN'S POLYESTER/VISCOSE, WHITE WID. LOAN, SIZE 34	PR	C
4440	44-070-4424	TROUSERS MEN'S POLYESTER/VISCOSE, WHITE WID. LOAN, SIZE 42	PR	C
4441	44-070-4424	TROUSERS MEN'S POLYESTER/VISCOSE, WHITE WID. LOAN, SIZE 38	PR	C
4442	44-070-4424	TROUSERS MEN'S POLYESTER/VISCOSE, WHITE WID. LOAN, SIZE 34	PR	C

(90142129)

(Very Old—13771)

RESTRICTED

ANO 238/75



HISTORIAN  
VICTORIA BARRACK  
MELBOURNE

# AUSTRALIAN NAVY ORDER

CONTENTS

SECTION 3—OPERATIONAL  
Navy Office, Canberra,  
29 August 1975.

The enclosed order is promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

RESTRICTED

NAVY OFFICE  
CANBERRA

OPERATIONAL AND TRAINING

RESTRICTED

238/75—Seaman Officers Warfare Training and Employment

Introduction

1. The special 144 component of seaman officers has led to the development of the Principal Warfare Course (PWC) concept which is intended to ensure that the Command requirement for war ready officers is met.

2. The Royal Navy concept of progressive Seaman Officers' training was introduced in 1972, and is covered by the Principal Warfare Officers Course. The PWC replaces the PWO course (COMO 11111) and begins training before Officers go to the RN PWO course in 1972. As the main aim of the PWC is to ensure that a war-ready officer is produced, the development of the PWO course for the RAN. The programme was designed by the Navy Warfare Organisation Board (NWOB).

3. The programme is designed to support the training for war ready officers by the Fleet Officer Commanding, HM AUSTIN, and programmed to ensure that the training is completed within the PWC period of a course which starts in 1972 and ends in 1973.

CONTENTS

No Title

SECTION 3—OPERATIONAL AND TRAINING

238/75 Seaman Officers Warfare Training and Employment.

General List and Supplementary List (GLEN and SLEN) Seaman Officers Training

4. The 1972 Seaman Officers Training Plan (SOTP) fully introduced changes in the Seaman Officers Training system of junior GLEN and SLEN officers.

a. The professional training of all Seaman Officers will be common except that the training of SLEN officers covered the Fleet Air Arm duties remains as in Navy Order 237/72 Part 1, Annex B.

b. Stage 1, Stage 1 for GLEN officers is carried out by HMAS CHEWELL at the University of NSW (2 1/2 and 3 years respectively), and comprises about 2 months of professional training and 2 or 3 year academic studies. GLEN officers carry out Stage 1 training of about 18 months at HMAS CHEWELL.

c. Stage 2, Stage 2 is a 6 month training period in the Fleet, documented by a Task Book (TB-C1) and terminating in a Fleet Board before proceeding to Stage 3. This is a revision to the previous 12 month Midshipman's Fleet Training.

d. Stage 3, Stage 3 will be longer periods of TB-C1 for the 4 months Operations and Warfare (OW) course but will carry out this type of training in accordance with Stage 3 of the 1971 SOTP. This training is common to GLEN and SLEN officers, being a 3 months series of courses which is 18 months in total in circumstances as the former RN SOTP course.

Additional copies of Navy Orders may be readily obtained by:

- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 4718.



## Section 3

## OPERATIONAL AND TRAINING

## RESTRICTED

## 238/75—Seaman Officers Warfare Training and Employment

## Introduction

1. The speed and complexity of modern warfare has led to the development of the Principal Warfare Officer (PWO) concept which is intended to ensure that the Command organisation at sea reacts quickly and correctly to any threat.

2. The Royal Navy decided to discontinue Seaman Branch sub-specialist long courses in 1972, and to institute the Principal Warfare Officers Course. The RAN adopted the PWO concept (CANO 11/71) and began sending Seaman Officers to the RN PWO course in 1972. At the same time, the Naval Board directed that a comprehensive study be conducted into the development of the PWO concept for the RAN. This investigation was designated the Ships Warfare Organisation Project (SWOP).

3. The organisation to support the PWO concept has been developed by the Flag Officer Commanding, HM AUSTRALIAN FLEET, and promulgated in Australian Fleet Tactical Instructions (AFTP-10). This organisation is continuously being reviewed and developed within the Fleet. The introduction of a seaman officer structure appropriate to this organisation was endorsed by the Naval Board and promulgated by all ship all shore message 024 (024F) in January 1975.

4. The object of this order is to introduce the new seaman officers Warfare training scheme and outline typical career patterns for officers. It should be noted that this scheme is evolutionary and will be responsive to the Command and Control concepts that relate to it.

## General List and Supplementary List (GLEX and SLEX) Seaman Officers

## Training

5. The 1975 Seaman Officers Training Plan (1975 SOTP) introduced changes in the traditional training pattern of junior GLEX and SLEX officers:

- a. The professional training of all seaman officers will be common except that the training of SLEX officers entered for Fleet Air Arm duties remains as in Navy Order 307/73 Part I, Annexe B.
- b. *Stage 1.* Stage 1 for GL officers is carried out in HMAS CRESWELL or the University of NSW (2½ and 3 years respectively), and comprises about 5 months of professional training and a 2 or 3 year academic syllabus. SL officers carry out Stage 1 training of about 10 months in HMAS CERBERUS.
- c. *Stage 2.* Stage 2 is a 6 month training period in the Fleet, documented by a Task Book (Part 1) and terminating in a Fleet Board before proceeding to Stage 3. This is a reduction on the previous 12 months Midshipman's Fleet Training.
- d. *Stage 3.* GL officers will no longer proceed to UK for the 6 months Operations and Warfare (OW) courses but will carry out this type of training in Australia as Stage 3 of the 1975 SOTP. This training is common to GLEX and SLEX officers, being a 5 months series of courses ashore in RAN schools; it is not as comprehensive as the former RN OW course.

- e. *Stage 4.* The SOTP will conclude with Stage 4 training comprising at least 8½ months in the Fleet before being awarded a Full Bridge Watchkeeping Certificate (FBWC); a Task Book (Part 2) commitment has been introduced into this stage.

#### The Warfare Training Scheme

6. The Warfare Training Scheme, taken in conjunction with the 1975 SOTP aims at progressively training seaman officers for the next level of employment. The scheme provides the following steps in training:

- Initial Warfare Training.* The object of this training during Stage 3 is to fit junior officers for their first complement billet at sea after the requisite stage 4 sea training. After the award of a Full Bridge Watchkeeping Certificate, an officer can expect one or more postings at sea either in a Minor War Vessel or in a Major Fleet Unit before undergoing the Assistant Principal Warfare Officer (APWO) Course.
- APWO Training.* The object of this course is to increase the officers' tactical and weapons knowledge, which, together with experience, will enable him to become a competent officer in an Operations Room Environment.
- PWO Course.* The PWO course is designed to train officers to be effective watchkeeping PWOs, capable of having charge of the Operations Room of an Escort in a multi-threat environment and also capable of administering the Anti-submarine Warfare and Gunnery sub-departments of such a ship.
- Advanced Warfare Training.* Officers who have completed the PWO course may undergo additional sub-specialist training. The nature of some aspects of this training is still under investigation in Navy Office.

#### Seaman Special Duties List (SDEX) Officers Training

7. SDEX officers will continue to undertake training in the United Kingdom as follows:

- BRNC Dartmouth, pre-promotion training—14 weeks; on successful completion they are promoted to sublieutenant.
- RNC Greenwich—basic officer training—6 weeks.
- Post Qualifying Courses (24 weeks) at the Royal Navy Schools in the Portsmouth area as follows:

Seamanship	..	..	..	..	3 weeks
NBCD	..	..	..	..	2 weeks
Management	..	..	..	..	1 week
Navigation	..	..	..	..	7 weeks
TAS	..	..	..	..	3 weeks
Communications	..	..	..	..	3 weeks
Gunnery	..	..	..	..	3 weeks
Tactics	..	..	..	..	2 weeks

- Sea training in the Royal Navy (12-18 months), during which time the officer is expected to gain his Full Bridge Watchkeeping Certificate.
  - A sub-specialist course in the appropriate Royal Navy School (3-5 months).
8. On return to Australia the SDEX officer can expect to be employed in a sub-specialist billet ashore or at sea as a bridge watchkeeper/APWO. His sub-specialist training will influence his postings, but for sea posting purposes, until he qualifies as a PWO, he will be considered the equivalent to an APWO.

#### Assistant Principal Warfare Officer (APWO) Training

9. APWOs are required in Major Fleet Units to carry out watch-keeping functions in an Operations Room as Operations Room Officer (ORO) in the 4th Degree of Readiness and as assistant to the PWO in the 3rd Degree of Readiness. The APWO is also trained to be an ASW Director and a Missile/Gun Director of a DD/DE in the 3rd Degree of Readiness. The APWO course is of about 8-10 weeks duration and comprises Gunnery, Action Information Organisation, Anti-submarine Warfare, Communications, Electronic Warfare and Tactical subjects.

10. GLEX and SLEX officers will not be posted to the APWO course until they have been awarded a Full Bridge Watchkeeping Certificate. Most GLEX and SLEX officers trained under the 1975 SOTP will undertake APWO training. Those officers who have sub-specialised as P, O, SM, MCD and H will not normally do such training.

11. The APWO qualification is not a pre-requisite for the PWO course.

#### Departmental Pre-job Training (PJT)

12. There is a requirement for some APWOs posted to Major Fleet Units to undergo departmental PJT in order to fit them for specific operational and administrative tasks in that ship. PJT courses are available in:

- 901216 .. .. Anti-submarine Warfare,
- 901217 .. .. Gunnery,
- 901466 and 901084 .. Navigation—Short Navigation Course and Fleet Escort Navigation Course,
- 901218 .. .. Communications and Electronic Warfare, and
- 903290 and 901456 .. Aircraft Control (ASAC and AIC Courses).

13. The undertaking of a particular departmental PJT course on completion of the APWO course will not commit an officer to a career in that category. APWOs Aircraft Control, however, because of their lengthy training and probable post course employment, can expect to sub-specialise in Direction.

14. While neither the APWO nor the PJT courses will be shown in the Navy List, the appropriate qualification will be included on Form PH13, Officers Service Record. The APWO or PJT qualification should not be used when describing an officer's category in routine correspondence in accordance RI Article 5211.

#### Principal Warfare Officer (PWO) Training

15. PWO training is aimed at producing an officer to be the Commanding Officer's watchkeeping adviser on tactics, in charge of the Operations Room and the co-ordinator of weapon systems in the Defence and Action states. He will be given delegated authority for the operational conduct of his ship whilst on watch. The degree or delegation will be subject to the Commanding Officer's discretion.

16. The PWO course is of about 6 months duration and includes training in Above Water and Underwater Warfare, Action Information Organisation, Communications, Electronic Warfare, NBCD and Tactics. Practical experience at sea forms an important component of the course. The intention is that PWO training will continue in the United Kingdom.

17. A seaman officer would normally be posted to the PWO course at about 4 years seniority as a lieutenant. Officers qualified P, O, H or SM will not normally undergo the course. MCD officers may, from time to time, undertake PWO training.

#### Exchange Postings

18. About one-third of the officers posted for PWO courses will be nominated for 2 years exchange service in the Royal Navy. Officers undertaking the PWO N course will not normally be considered for exchange service.

#### PWO RAN Familiarisation Course

19. Officers completing the PWO course will be posted to the RAN Familiarisation Course on return to Australia to familiarise them with RAN equipments, procedures and tactics. PWO (or equivalent) officers on exchange service with the RAN will normally complete this training.

20. The course is of about 5 weeks duration and comprises Communications, Gunnery, ASW, AIO, Air, Submarine and Tactical subjects. A PJT in either ASW or G may also be undertaken on completion of the PWO RAN Familiarisation Course.

#### Sub-specialist Categorisation

21. Following the PWO course some officers will undertake the Navigation course, PWO N, in the United Kingdom and will become sub-specialists in Navigation. Other PWO qualified officers will be streamed into one of the following sub-specialist categories after completing the PWO course: Anti-submarine Warfare (ASW); Direction (D); Gunnery (G) or Communications and Electronic Warfare (CEW). It is intended that subsequent postings will provide continuity of experience and will enable the officer to develop sub-specialist expertise. Further formal training may be necessary for some senior specialist billets.

22. Officers, on being posted to the PWO course, except those who are posted to the PWO N course, are to forward an Officers Posting Preference Form (PP127) electing preferences for sub-specialist streaming.

23. On receipt of an officer's preference for sub-specialisation, this preference together with the officer's previous employment and service requirements will be taken into consideration, and the Director of Naval Officers Postings will advise officers as soon as possible of the decision regarding their sub-specialist streaming. Due attention will be paid to this decision in planning future postings.

24. It is fundamental to the PWO concept that any PWO in a private ship should be capable of taking appropriate action, as delegated by the Commanding Officer, against all threats and of giving co-ordinated advice to the Command on operational aspects of maritime Warfare.

25. The following general rules apply to each sub-specialisation:

- a. *Navigation*. On completion of the PWO N course an officer is automatically sub-specialised in Navigation. His abbreviated qualification suffix is PWO N.
- b. *Direction*. An officer who has previously been an Aircraft Controller may be streamed in Direction provided he has been suitably assessed as a competent aircraft controller prior to undergoing the PWO course. This assessment is to be forwarded to Department of Defence (Navy Office) by the Commanding Officer, HMAS MELBOURNE, or, if the officer was serving

elsewhere, by his Commanding Officer after advice from the Fleet Direction Officer. On completion of the PWO course his abbreviated qualification suffix will remain PWO until he undergoes further advanced training in Above Water Warfare (see Paragraph 28) when he will be categorised PWO D.

- c. *Anti-submarine Warfare, Gunnery and Communications Electronic Warfare*. An officer who is streamed in ASW, G or CEW will normally be appointed to ASW, G or CEW oriented billets in order to gain experience in that field. His advanced qualification suffix will remain PWO until such time as he undergoes further advanced training, as discussed in Paragraph 28, when he will then be categorised PWO ASW, PWO G or PWO CEW.
- d. *Minewarfare and Clearance Diving*. An officer who has sub-specialised as MCD and subsequently completes the PWO course can expect to be employed in PWO and MCD billets. His abbreviated qualification suffix is PWO MCD.

#### Advanced Warfare Training

26. The principal reason for the change to Warfare training was the need for seaman officers to have a wider tactical background and broader Warfare knowledge, with the training emphasis on the whole ship as a weapon system, rather than concentration upon one sub-specialist subject. In some ship billets and staff billets at sea and ashore a greater depth of sub-specialist knowledge is required.

27. Some PWOs N will continue to undertake the N+ course. This training is designed to fit the officer to be the Navigating Officer of deep draught HMA ships. PWOs N who do not undertake this course will continue to have the full range of staff navigating appointments open to them.

28. Some officers who are streamed in ASW, G, D or CEW will undertake further advanced training to qualify as sub-specialists in those categories. Investigations are currently being conducted into suitable courses to qualify as PWO ASW, G, D and CEW.

29. The PWO qualified officer, other than PWO N, who does not undergo advanced Warfare training will continue to be employed in PWO type billets or general service. While restricting his employment in some specialist staff billets this will in no way be detrimental to his career.

30. SD officers who qualify as PWOs will be streamed into their previous sub-specialisation and may be considered for advanced Warfare training. They will retain their abbreviated sub-specialist qualification in addition to the PWO qualification, eg, an SDEX TAS who completes the PWO course will have the abbreviated qualification suffix of SDEX PWO TAS. If the officer undertakes an advanced Warfare course, this qualification suffix will replace his previous sub-specialist one, eg, the SDEX PWO TAS would become SDEX PWO ASW.

#### Cancellation of earlier RAN Warfare Courses

31. The manning of ships with PWOs and APWOs will supersede the need for Operations Room Officer (ORO), Destroyer Gunnery Officer (DGO) and Destroyer Anti-submarine Warfare Officer (DASWO) courses which are now cancelled.

**GLEX Seaman Officers Career and Posting Patterns**

32. *Seaman Officers (except P, O, MCD, H or SM)*. The posting pattern and inherent career prospects shown in Annexe A are for GLEX officers. In outline, a typical GLEX officer would, after the award of a Full Bridge Watchkeeping Certificate as a sublieutenant, consolidate his seaman experience in either a Minor War Vessel or a Major Fleet Unit for 12-18 months. He would then undergo APWO training, possible departmental pre-job training before filling an APWO billet. He may also be required to fill a Minor War Vessel billet either before or after APWO employment. After the PWO course and one or two postings as a senior lieutenant, which may include exchange, the officer may be given an advanced Warfare course and then continue in postings in that category and general service.

33. *Aviation Officers*. Officers will not normally sub-specialise P and O until they have gained a Full Bridge Watchkeeping Certificate. They will then continue in aviation billets and will not normally be considered for general service postings at sea until reaching the rank of lieutenant commander.

34. *MCD Officers*. Generally MCD officers will continue in MCD billets and will not normally be considered for general service postings at sea until reaching the rank of lieutenant commander. From time to time MCD officers will undertake the PWO course, in which case they can expect to be employed in both PWO and MCD billets.

35. *Hydrographic Officers*. Officers will not normally sub-specialise H until after consolidation of Full Bridge Watchkeeping Certificates in Major Fleet Units. They will then continue in hydrographic billets up to command of a major hydrographic or oceanographic ship.

36. *Submarine Officers*. Officers will not normally sub-specialise SM until they have gained a Full Bridge Watchkeeping Certificate in a Major Fleet Unit. Lieutenants GLEX SM will then progress in submarine billets up to the level of Sonar Officer. Lieutenants SM of about 4 years seniority may be posted to a general service billet and on completion, return to submarine service and progress to the Submarine Commanding Officer Qualifying Course level.

**SDEX Officers Career and Posting Patterns**

37. After being awarded a Full Bridge Watchkeeping Certificate, an SD officer's subsequent employment at sea will be in either bridge watchkeeping or APWO billets where his sub-specialist knowledge can provide valuable support for the broadly trained PWO. As with GLEX officers, some SD officers will qualify as PWOs after which they will undertake normal PWO duties and postings. SD officers who do not qualify PWO will continue to be employed in their sub-specialisation, as APWOs, CO Minor War Vessels and in general service postings as at present.

**SLEX Seaman Officers Career and Posting Patterns**

38. SLEX officers will follow the GLEX career and training pattern up to and including APWO employment. Subsequent Warfare training will be dependent on the officer transferring to the General List or meeting return of service requirements.

**Officers Qualified under Previous Schemes**

39. Officers qualified in Warfare courses under previous schemes will retain their qualification suffix except that officers qualified on the courses shown in Paragraph 31 will relinquish that qualification suffix on qualifying PWO. As an interim measure, complement billets for PWO or PWO (Advanced Warfare) categories will be filled by officers qualified under previous schemes, having regard to their particular qualification and experience.

40. Mid-seniority SDEX officers will be available for PWO training. Senior SD officers will be posted as PWOs or in general service billets in accordance with their level of operations experience and service requirements.

**Officers Not Trained PWO**

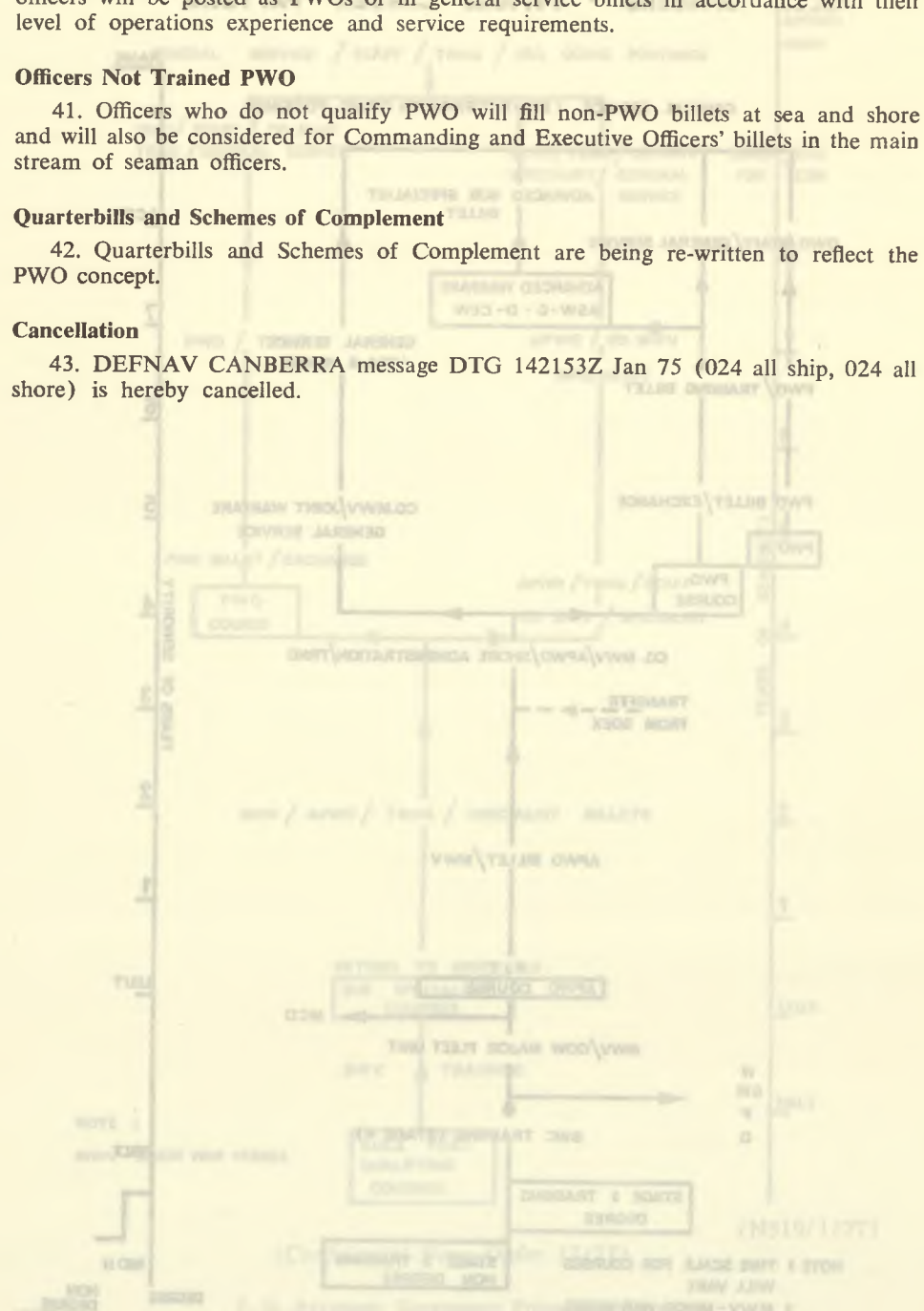
41. Officers who do not qualify PWO will fill non-PWO billets at sea and shore and will also be considered for Commanding and Executive Officers' billets in the main stream of seaman officers.

**Quarterbills and Schemes of Complement**

42. Quarterbills and Schemes of Complement are being re-written to reflect the PWO concept.

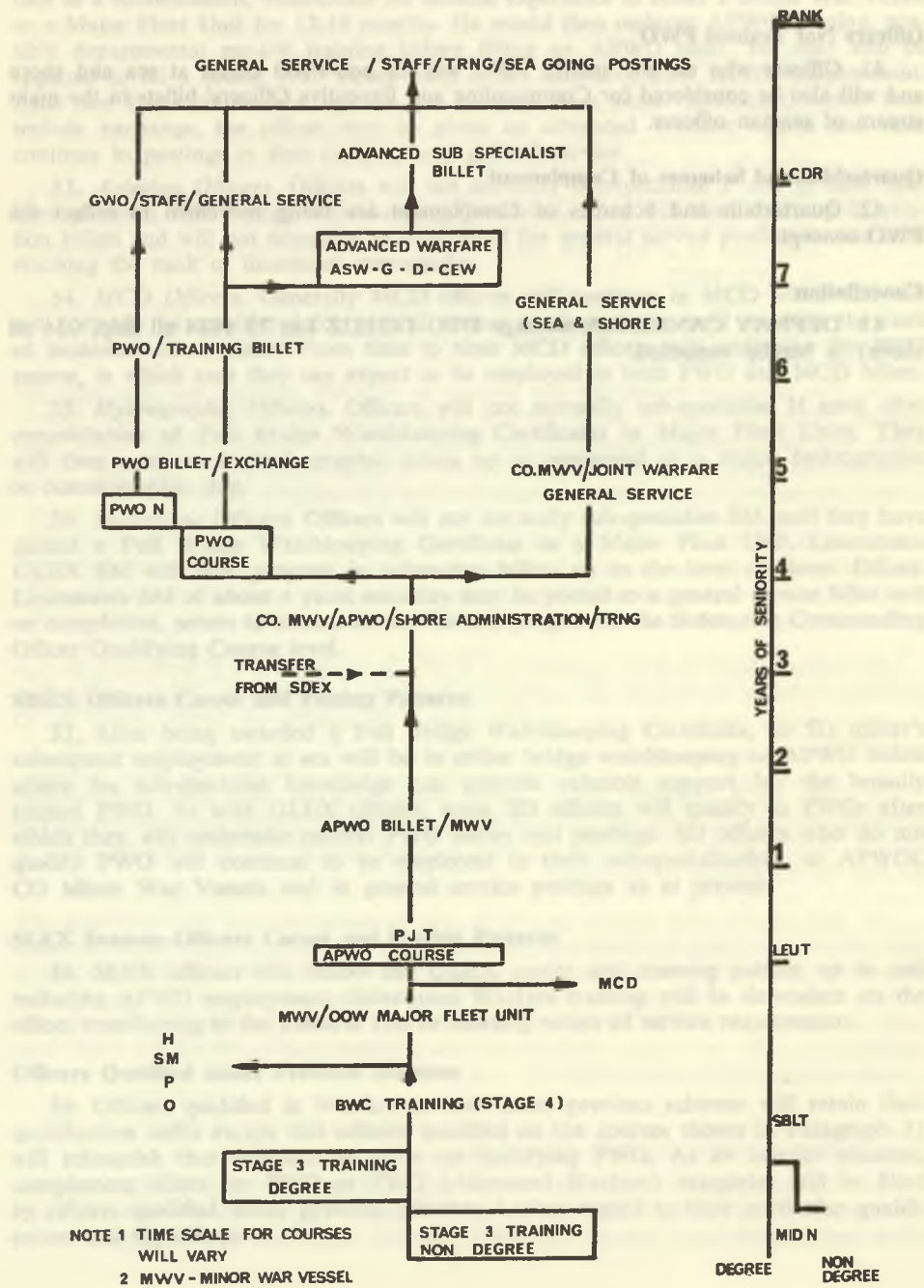
**Cancellation**

43. DEFNAV CANBERRA message DTG 142153Z Jan 75 (024 all ship, 024 all shore) is hereby cancelled.



ANNEXE A

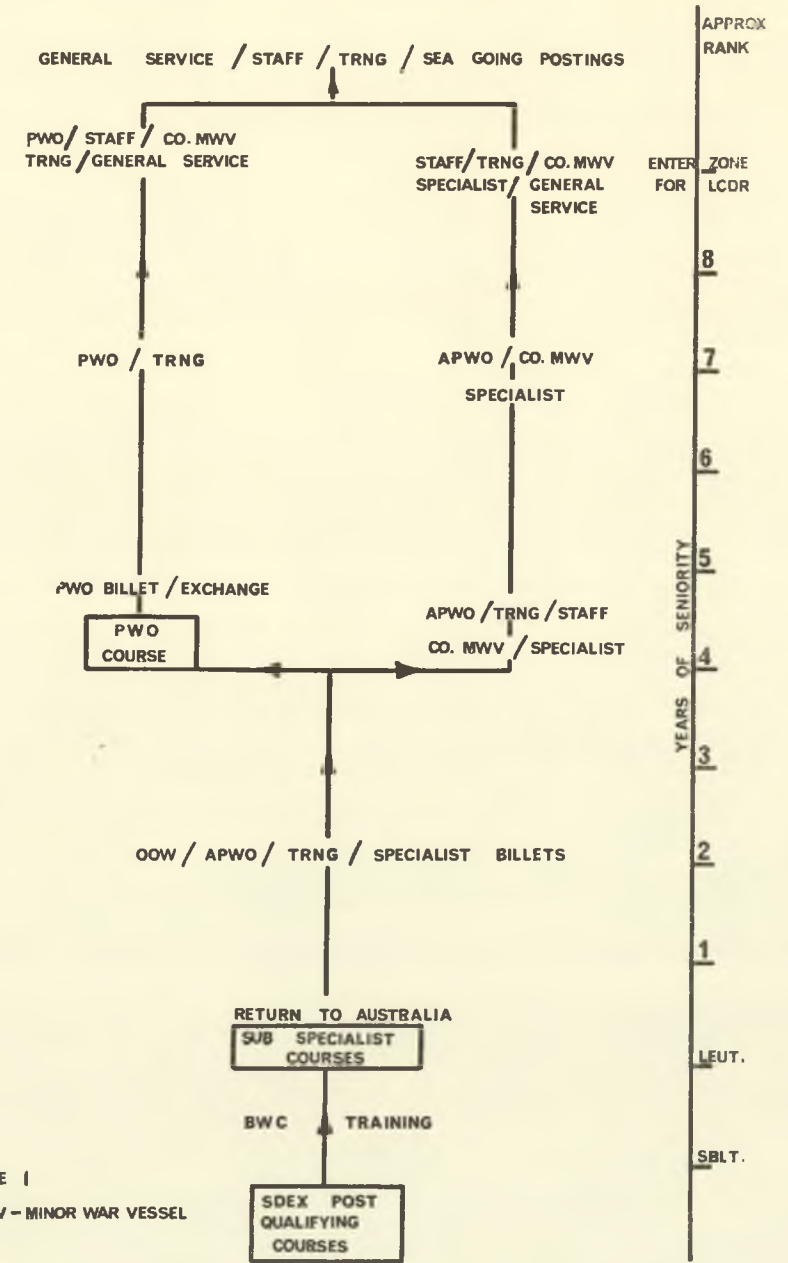
GLEX OFFICERS - TYPICAL CAREER PATTERN



NOTE 1 TIME SCALE FOR COURSES WILL VARY  
 2 MWV - MINOR WAR VESSEL

ANNEXE B

SDEX OFFICERS - TYPICAL CAREER PATTERN



NOTE 1  
 MWV - MINOR WAR VESSEL

(Confidential Navy Order 11/71)

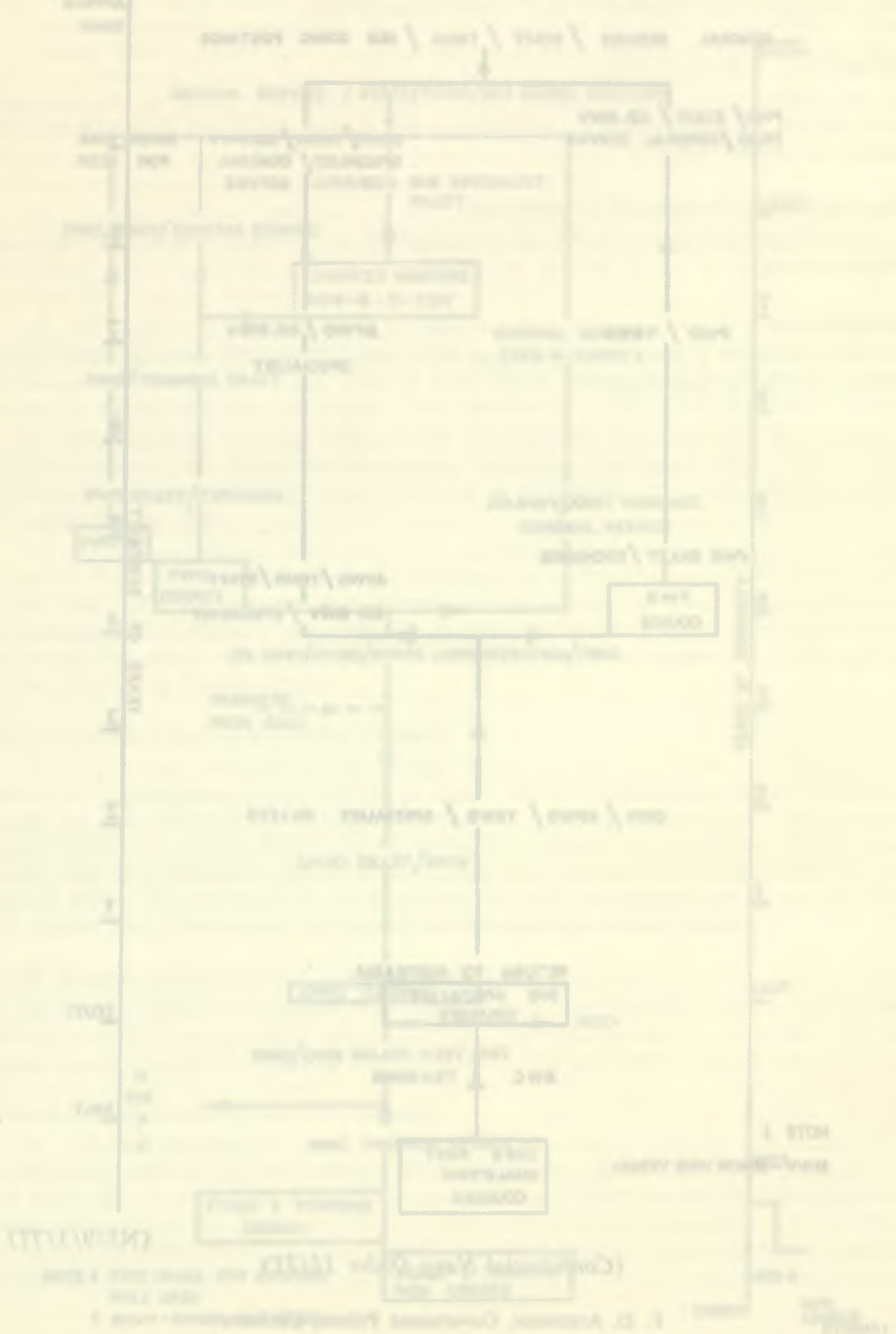
F. D. ATKINSON, Government Printer, Canberra

(N519/1/77)

ANNEX 2

SOEX OFFICERS - TYPICAL CAREER PATTERN

WALTER HAZEL JACOTT - SOEX



(Continued from page 1002)  
 E. J. ...  
 ...

**RESTRICTED**

**RESTRICTED**



HISTORIAN  
VICTORIA BARRACKS  
MELBOURNE

# AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,  
8 September 1975.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY



Section 2  
PERSONNEL

UNCLASSIFIED

239/75—Conditions of Service for Exchange of Officers—Royal Australian Navy and Royal New Zealand Navy

2. The conditions of exchange between the two navies will be those set out in the attached conditions of exchange.

Date of Commencement and Termination of Exchange Service

3. The date of commencement of exchange service will be the date on which the first officer arrives in the receiving navy and the date of termination will be the date of departure from the receiving navy.

CONTENTS

No	Title
<b>SECTION 2—PERSONNEL</b>	
239/75	Conditions of Service for Exchange of Officers—Royal Australian Navy and Royal New Zealand Navy.
240/75	RATSTRUC Air Technical Sailors—Option Rules for Transfer to SAILSTRUC.
241/75	Sergeant, Naval Police, Promoted to Warrant Officer—Uniform and Insignia—Gratuity, Gratuitous Issue.
242/75	Special Oversea Living Allowance.
243/75	Travelling Allowance—Members on Short Term Duty Oversea.

**SECTION 5—BOOKS, CORRESPONDENCE, FORMS AND STATIONARY**

244/75 Information Concerning and Distribution of Publications and Amendments Managed by Executive Officer Publications Sydney—June 1975.

1. The list of publications, forms and stationery to be managed by the RAN is attached as an exhibit to this letter.
2. The list of publications, forms and stationery to be managed by the RAN is attached as an exhibit to this letter.
3. The list of publications, forms and stationery to be managed by the RAN is attached as an exhibit to this letter.
4. The list of publications, forms and stationery to be managed by the RAN is attached as an exhibit to this letter.

AUSTRALIAN  
NAVY ORDERS

- Additional copies of Navy Orders may be readily obtained by:
- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
  - b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
  - c. telephoning Navy Office, Canberra 65 4718.

## Section 2

## PERSONNEL

## UNCLASSIFIED

**239/75—Conditions of Service for Exchange of Officers—Royal Australian Navy and Royal New Zealand Navy**

1. The conditions of service whereby officers will serve on exchange duty between the Royal Australian Navy and the Royal New Zealand Navy are promulgated for information.

**Date of Commencement and Termination of Exchange Service**

2. The date of appointment to exchange service will be the day on which the RAN officer arrives in New Zealand, and the day on which the RNZN officer arrives in Australia. Exchange service will cease on the date of departure from Australia and New Zealand respectively. Time spent on passage or on Foreign Service Leave is not included.

**Duration of Service**

3. Period of exchange service will normally be two years.

**Ranks, Seniority and Specialist Qualifications**

4. As far as possible officers of equivalent rank and specialisation and roughly equivalent seniority will be exchanged. The billet number of the exchange billet in question should be included in all communications.

**Recreation Leave Entitlement**

5. For RAN officers this is laid down in Regulations and Instructions for the RAN, Chapter 9, and for RNZN officers Royal New Zealand Navy Regulations and Instructions, Chapter 9 apply. Payments to exchange officers for leave will be the liability of the parent services.

**Pay Accounting Arrangements**

6. a. Pay accounts of RAN officers will be borne in HMAS PENGUIN, Sydney, N.S.W., and those of RNZN officers in HMNZS PHILOMEL, Devonport, Auckland.
- b. Advice of the net fortnightly drawing rate payable to an RAN officer is to be forwarded by air mail from HMAS PENGUIN to the RNZN ship or establishment to which he is posted, DEFNAV and NZDEFWGTN being information addressees.
- c. The first advice of a net fortnightly drawing rate is to be regarded as a standing authority to pay the amount specified until further advice.
- d. For accounting purposes advice of payments made in RNZN ships and establishments is to be forwarded by air mail to HMAS PENGUIN and to DEFNAV for information.
- e. The net fortnightly drawing rate payable to a RNZN officer is to be similarly advised by HMNZS PHILOMEL to the RAN ship or establishment to which the officer is posted, NZDEFWGTN and DEFNAV being information addressees.
- f. Advice of payments made in HMA ships and establishments is to be forwarded by air mail to HMNZS PHILOMEL and to NZDEFWGTN for information.
- g. Where a change of posting occurs, it is the responsibility of the ship or establishment in which an exchange officer is serving to advise the new ship or establishment and HMAS PENGUIN or HMNZS PHILOMEL as appropriate, of the current fortnightly drawing rate, so that advice of any variation of that rate may be correctly addressed.

## Rates and Conditions of, Liability for, and Currency of Payment of Pay and Allowances

## 7. a. RAN Officers in New Zealand:

Nature of Pay and Allowances	Rates and Conditions	Liability	Currency
Salary .. .. .	RAN	RAN	AUST
Service Allowance .. .. .	RAN	RAN	AUST
Child Education Allowance .. .. .	RAN	RAN	AUST
Oversea Living Allowance .. .. .	RAN	RAN	AUST
Transfer Allowance .. .. .	RAN	RAN	AUST
Uniform Maintenance Allowance .. .. .	RAN	RAN	AUST
Submarine Allowance .. .. .	RAN	RAN	AUST
Flying Pay .. .. .	RAN	RAN	AUST
Seagoing Allowance .. .. .	RAN	RAN	AUST
Recreation Leave Bonus .. .. .	RAN	RAN	AUST
Cost of passage expenses including accommodation costs in Australia prior to passage and on return ..	RAN	RAN	AUST
Removal costs, storage, etc, in Australia ..	RAN	RAN	AUST
Settling In/Out Allowance in NZ on initial posting and prior to return .. .. .	RAN	RNZN	NZ
Command Money .. .. .	RNZN	RNZN	NZ
* Hard Lying Money .. .. .	RNZN	RNZN	NZ
Removal expenses within NZ during exchange service (see also paragraphs 8 and 9 below) .. .. .	RNZN	RNZN	NZ
Travelling or Subsistence Allowances or expenses during posting .. .. .	RNZN	RNZN	NZ
Entertaining Allowance .. .. .	RNZN	RNZN	NZ
Higher Duties Allowance .. .. .	RAN	RNZN	AUST

Note \* Payable only if Officer not in receipt of Seagoing Allowance or Submarine pay.

## b. RNZN Officers in Australia:

Nature of Pay and Allowances	Rates and Conditions	Liability	Currency
Basic Pay .. .. .	RNZN	RNZN	NZ
Marriage Allowance .. .. .	RNZN	RNZN	NZ
Separation Allowance .. .. .	RNZN	RNZN	NZ
Ration Allowance .. .. .	RNZN	RNZN	NZ
Uniform Allowance .. .. .	RNZN	RNZN	NZ
Passage costs including accommodation costs in NZ prior to passage and on return .. .. .	RNZN	RNZN	NZ
Baggage Costs .. .. .	RNZN	RNZN	NZ
Accommodation expenses in Australia on initial posting and prior to return (see also Paragraphs 8 and 9 below) .. .. .	RNZN	RAN	AUST
Location Allowance (all elements) .. .. .	RNZN	RNZN	NZ
Surveying Pay .. .. .	RNZN	RNZN	NZ
Removal costs, storage, etc, in NZ .. .. .	RNZN	RNZN	NZ
Command Money .. .. .	RAN	RAN	AUST
Diving Pay .. .. .	RNZN	RNZN	NZ

Nature of Pay and Allowances	Rates and Conditions	Liability	Currency
Entertaining Allowance .. .. .	RAN	RAN	AUST
Hard Lying Money .. .. .	RAN	RAN	AUST
Travelling Allowances or expenses during posting .. .. .	RAN	RAN	AUST
Removal costs within Australia during exchange service .. .. .	RAN	RAN	AUST
Higher Duties Allowance .. .. .	RNZN	RAN	NZ

## Liability for Travelling Expenses

8. The liability of the employing navy for travelling expenses, etc, of exchange officers will commence from the time of actual disembarkation and cease on embarkation for return to the parent navy. Officers on permanent change of posting during the period of exchange service are granted transfer of family and baggage at the expense of the employing navy. For this purpose 'family' is as defined in the family passage regulations of the parent navy, and the amount of baggage which may be so carried will be limited to that actually transferred at the time of initial posting for exchange service.

## Settling In/Settling Out and Accommodation Allowance

9. Settling In/Settling Out, or Accommodation Allowance as appropriate, is payable in the oversea country in respect of an initial posting for exchange service and—if applicable—also during the period immediately prior to the return of an exchange officer to his parent navy.

10. Officers of either navy when on permanent change of posting during period of exchange service are not eligible for Disturbance Grants (RNZN) or Disturbance Allowance (RAN) but may when required, because of the posting, to remove to another area, be reimbursed as the liability of the employing navy in respect of days, not exceeding an overall period of two weeks, necessarily spent in hotel type accommodation. Reimbursement will be made at RAN Settling In/Settling Out Allowance rates for RAN officers serving in New Zealand, and at RNZN Accommodation Allowance rates for RNZN officers serving in Australia.

## Passages

11. The parent navy will meet the costs of passage to and from exchange service. Travelling expenses, etc, will be payable by the parent navy only up to the port of disembarkation on arrival, and from the port of embarkation on return.

## 12. a. The DEFNAV will arrange passage for:

- (1) RAN officers proceeding to New Zealand on commencement of exchange service; and
- (2) RNZN officers returning to New Zealand on completion of exchange service.

## b. The NZDEFWGTN will arrange passage for:

- (1) RAN officers returning to Australia on completion of exchange service; and
- (2) RNZN officers proceeding to Australia on commencement of exchange service

Class of travel, accommodation, etc, for families will be based on the husband's entitlement.

## Taxation

13. Exchange officers will be subject to the taxation provisions of their parent countries.

**Hospital, Medical and Dental Treatment**14. a. *Officers:*

- (1) All officers will be provided with medical, hospital and dental treatment and immunisation procedures at the expense of the employing navy. Except in emergencies, all treatment must be obtained from Service sources in accordance with the instructions applicable in the employing navy.
- (2) All officers are to be medically examined in accordance with ABR 1991—Naval Medical and Hospital Instructions—Article 0705.

b. *Documentation:*

- (1) On commencement and completion of exchange service medical and dental history documents are to be dispatched by air mail to arrive at the officer's place of posting at least three days before the arrival of the officer.
- (2) During exchange service all treatments and examinations are to be recorded in duplicate and the original record placed in the medical envelope. The duplicate records of RAN officers are to be forwarded to the Deputy Director of Medical Services (Northern), RNZN Hospital, Auckland, NZ, who will forward them to the Director-General of Naval Health Services. The duplicate records of RNZN officers are to be forwarded to the Director-General of Naval Health Services, Department of Defence (Navy Office), Victoria Barracks, Melbourne, VIC 3004, Australia, who will forward them to the Deputy Director of Medical Services (Northern).

c. *Dependants of RAN Officers:*

- (1) Dependants of RAN officers serving in New Zealand will receive National Health Benefit Scheme Benefits (Commonwealth and Society) for medical expenses incurred. The benefits would be based on the equivalent Australian charges if the New Zealand charge differed, and would only be payable if the dependants were permanently resident in Australia temporarily absent in New Zealand (for the posting).
- (2) Medical, hospital and dental charges compare favourably by comparison with those in Australia. If a member on behalf of his dependants incurs heavy expenditure which is regarded as excessive by Australian standards he may submit the case to Navy Office, Canberra, in accordance with NPI 1751(2).

d. *Dependants of RNZN Officers*

Arrangements are to be made for all medical, hospital and dental treatment of dependants through normal civil facilities in Australia. Benefits will be in accordance with RNZN regulations (NPRI 1253) and claims for reimbursement of medical and hospital expenses are to be forwarded to the Royal New Zealand Naval Liaison Officer, New Zealand High Commission, Commonwealth Avenue, Canberra 2600.

**Leave Travel Warrants**15. a. *RAN Officers:*

RAN officers proceeding on leave within New Zealand are not entitled to the grant of Leave Concession Warrants.

b. *RNZN Officers:*

- (1) Married officers, whose wives are resident in Australia but who for Service reasons are separated from their wives, may be granted two warrants per year to the usual address of their wives. Warrants are to be marked boldly at the top in red ink 'Chargeable to the New Zealand Government', and details of all free rail warrants issued to RNZN officers are to be reported to the NZDEFWGTN.

- (2) Other officers are not entitled to the grant of Leave Concession Warrants.

**Uniform Outfit Grants**

16. Uniform outfit grants to RNZN officers are payable according to RNZN rates and conditions. Authorities for payment will be communicated by the Supply Officer HMNZS PHILOMEL to the Supply Officers of ships or establishments where RNZN officers are serving.

17. RAN outfit gratuities will be payable in accordance with RAN rates under RAN conditions. Authority for payment will be supplied by Navy Office.

**Victualling and Accommodation Charges**

18. Where RNZN officers are victualled and accommodated in HMA establishments, the standard RAN rates for rations and quarters charges as promulgated in Regulation 19 of Defence Forces (Salaries) Regulations—ABR 5020 Appendix B—are to be recovered in a similar manner as applies to RAN officers. Where pay accounts are not held, payments are to be collected by the Supply Officer and taken on charge in cash accounts. RNZN personnel charged for rations and quarters will be reimbursed from the office of the New Zealand High Commission, Canberra.

19. RAN officers 'living-in' in New Zealand ships and establishments will do so without charge.

(333/5/4)

**UNCLASSIFIED****240/75—RATSTRUC Air Technical Sailors—Option Rules for Transfer to SAILSTRUC**

1. This order amplifies the advice included in the Promotion and Advancement Guides distributed under Chief of Naval Personnel letter 302/1/97 of 24 July 1974, and details the procedure by which RATSTRUC mechanic entry sailors of the ATA, ATC and ATW categories may transfer to the SAILSTRUC scheme of training, advancement and promotion. The option to transfer to SAILSTRUC under the terms of this order is not available to RATSTRUC ATWO sailors other than those who completed the SAILSTRUC Phase I course in lieu of their original RATSTRUC category course.

2. The point at which a RATSTRUC sailor may transfer to SAILSTRUC under the following rules is related to the availability of SAILSTRUC courses. SAILSTRUC Phase II courses for Air Technical sailors will be introduced progressively from September 1975 and it is anticipated that SAILSTRUC Phase III courses will be introduced during 1977. Details of the procedure under which RATSTRUC Artificer and Mechanician sailors of the Air Engineering Branch may transfer to SAILSTRUC will be promulgated when the requirements of SAILSTRUC Phase IV and Phase V training are finalised.

**3. General Rules and Procedure for Transfer**

- a. The option to transfer to SAILSTRUC will be given only once and must be exercised the first time it becomes available. The option will not be available to sailors whilst holding the provisional rank of LS or PO.
- b. Once reported to Navy Office the decision to transfer is irrevocable and transferred sailors will be designated SAILSTRUC by change of personal number prefix from 'R' to 'S'. They will be removed from the relevant RATSTRUC course list, promotion list, and provisional protection for promotion list. Subject to retaining a satisfactory performance standard and, where applicable, completing any selection pre-requisites, transferred sailors will be placed on the first available SAILSTRUC course.

- c. Until the above sailors have qualified at the SAILSTRUC level to which they transfer their category skills and responsibilities will remain at the RATSTRUC level for the rank and grade held at the time of transfer. They will be identified in title by a \* designator following their grade number, eg LSATA2\*, which will be retained until they have successfully completed their initial SAILSTRUC course.

#### 4. SAILSTRUC Phase II Training—Election

- a. RATSTRUC LSAT sailors may elect to transfer to SAILSTRUC and undertake the SAILSTRUC Phase II course when selected for POAT Advanced course. These sailors will have passed the LSAT Promotion course.
- b. RATSTRUC ABAT sailors who completed a RATSTRUC category course may elect to transfer to SAILSTRUC and undertake Phase II training when selected for LSAT Promotion Course. Commencement of the SAILSTRUC Phase II course will be subject to successful completion of the appropriate SAILSTRUC Phase II Bridging course.
- c. RATSTRUC ABAT sailors who completed a SAILSTRUC Phase I course in lieu of their original category course may elect to transfer to SAILSTRUC and undertake the SAILSTRUC Phase II course when selected for LSAT Promotion course.

#### 5. SAILSTRUC Phase III Training—Election

RATSTRUC LSAT and POAT sailors who have completed the POAT Advanced course may transfer to SAILSTRUC under the following terms when Phase III training becomes available:

- a. ATA sailors who are qualified and recommended for Mechanician AE training in accordance with ABR 27 Vol 2 Article 1620 may elect to undertake the SAILSTRUC Phase III ATA Qualification course.
- b. ATC and ATWL sailors who attained a 65% test result on completion of the POAT Advanced course may request to undertake the common SAILSTRUC Phase III ATC/ATWL Bridging course. (The Bridging course will be of six weeks duration and is based on Part 1 of the POATA Advanced course comprising Workshop Technology and Craft). Sailors who attain a 65% test result on completion of the bridging course, and are recommended by a selection committee comprising the OIC RANAMEB and OIC Training Department, NAS NOWRA, may elect to undertake the appropriate SAILSTRUC Phase III Qualification course.

*Note:* A request to undertake the SAILSTRUC Phase III ATC/ATWL Bridging course does not constitute an election to transfer to SAILSTRUC.

#### 6. Selection

The order of selection for SAILSTRUC training will be:

##### a. For Phase II training:

- (1) RATSTRUC LSAT sailors who elect under Paragraph 4a above.

- (2) RATSTRUC and SAILSTRUC ABAT sailors. The number of ABAT sailors from both sources needed to satisfy the total number required for the LSAT Promotion course plus the balance required for the SAILSTRUC Phase II course, having regard to the elections at (1) above, will be determined. Sailors will then be selected separately from each source, on a proportional basis, in PPIB order of merit within their own RATSTRUC or SAILSTRUC stream. Proportional selection will be based on the number of eligible sailors qualified for selection in each of the RATSTRUC and SAILSTRUC streams compared with the total number required for both courses. RATSTRUC ABAT sailors so selected will then be given their option to transfer to SAILSTRUC Phase II training as in Paragraph 4b. and c. above.

*Note:* If, as result of elections, the number remaining on any RATSTRUC course falls below the minimum economic training level (nominally four) that course will be cancelled. Any sailor affected by a course being cancelled under these circumstances will remain eligible and will be accorded priority for the next such course.

##### b. For Phase III training:

- (1) RATSTRUC LSAT and POAT sailors who elect under Paragraph 5 above.
- (2) SAILSTRUC Grade 2 sailors.

#### 7. Failure on Course

Where a transferred candidate fails any applicable Bridging course or SAILSTRUC course, he will not normally be re-selected for that course until twelve months has elapsed since the actual date of course failure. A sailor who fails a course a second time will not normally be reconsidered for that course.

8. ABR 27 Vol. 2, Chapters 16 and 17 to be amended.

(N342/15/4)

## UNCLASSIFIED

### 241/75—Sergeant, Naval Police, Promoted to Warrant Officer—Uniform and Insignia—Gratuity, Gratuitous Issue

- Warrant Officers, Naval Police, promoted to that rank after 28 March 1975 may be compensated for necessary alterations to their kits as follows:
  - by payment of a gratuity of a maximum of \$10 for the invisible mending of the sleeves of the two blue coats, subject to the production of receipts; and
  - by gratuitous issue of three khaki shirts as replacements for three shirts rendered unserviceable by removal of chevrons and crowns.
- If promoted after 4 June 1975, a member is to be paid a gratuity of a maximum of \$12 for the invisible mending of blue coats, subject to the production of receipts.
- The foregoing arrangements do not apply to a member whose engagement expires within three months of the date of promotion unless he re-engages.
- ABR 5020—Naval Pay Instructions will be amended.

(901/65/15)

## UNCLASSIFIED

## 242/75—Special Oversea Living Allowance

1. Subject to the following provisions a Special Oversea Living Allowance may be approved by Navy Office for a period of up to three months when:

- a member precedes his wife and family on long term posting overseas; or
- the member's wife and family leave the overseas post before the member has completed his posting; or
- the member's wife leaves the post during a posting.

2. Special Oversea Living Allowance will only be approved for the cases of separation specified in Paragraph 1 above when Navy Office is satisfied that the member will continue to fully maintain his family, that the grounds for separation are valid and adequate and that separation will not continue beyond a period of three months. Payment will not be made where the member's wife elects to remain in Australia for personal reasons such as continuation of her employment.

3. Payment for a period in excess of three months will be made only in particularly special circumstances. Cases where Special Oversea Living Allowance is requested for more than three months at the outset, or where an extension is requested beyond three months, should be referred to Navy Office with full details of the reasons and the anticipated length of separation.

4. Should cases of separation arise, where both husband and wife are members of the Defence Force details are to be submitted to Navy Office for consideration.

5. Cases of divorce or marital separation occurring during an overseas posting may attract payment of Special Oversea Living Allowance for a maximum period of three months to provide for a re-adjustment period. Evidence should be provided however in such cases that the member continues to fully maintain his family.

6. The Special Oversea Living Allowance which is payable in addition to the single rate of Oversea Living-Out Allowance or Oversea Living-In Allowance, if applicable, (or the appropriate portion thereof if settling-in/out conditions apply), will be whichever is the lower of the following:

- an amount ascertained by adding together the appropriate married rate of Oversea Living-out Allowance and Child Allowance, if applicable less the appropriate single rate of Oversea Living-out Allowance/Overseas Living-in Allowance, as applicable; or
- the amount for board and lodging specified in the Scale of Board and Lodging Contributions which is appropriate to the family composition of the member. This is arrived at as follows:
 

For wife .. .. .	unmarried officer
For one child .. .. .	officer, wife and one child less officer and wife; and so on for additional children.

7. Subject to the other conditions relating to the payment of Overseas Living Allowances, Special Overseas Living Allowance may be payable while the member himself is on settling-in or settling-out conditions but is not payable:

- while the member or his family is in transit; or
- while the member's family is on settling-in or settling-out conditions.

8. NPI will be amended in due course.

(N252/1/167)

## UNCLASSIFIED

## 243/75—Travelling Allowance—Members on Short Term Duty Overseas

1. Various rates of Short Term Duty Travelling Allowance notified *vide* Navy Order 89/75 have been revised.

2. These varied rates together with existing rates payable in other countries have been consolidated in the following tables.

Table A

Country	Effective Date of Variation	Currency of Payment	Rates of Payment per Day	
			Capt. or Relative Rank, Officers of Lower Rank and Sailors	Cdre and Above
Arab Republic of—				
Egypt—Room at full rate ..	19.5.74	LE ..	15.450	18.300
Egypt—Room at discount ..	19.5.74	LE ..	13.200	15.500
Argentina .. .. .	23.10.74	\$A ..	27.00	33.00
Austria .. .. .	21.11.73	Schillings ..	840	970
Bahrain .. .. .	19.5.74	B Dinars ..	24.000	25.000
Bangladesh—				
Dacca .. .. .	4.2.72	\$A ..	21	23
Elsewhere—See Table B				
Belgium .. .. .	11.3.74	B Francs ..	1800	2150
Brazil—				
Brasilia .. .. .	23.10.74	\$A ..	28	35
Sao Paulo .. .. .	23.10.74	\$A ..	31	35
Elsewhere .. .. .	23.10.74	\$A ..	25	32
Britain(a) .. .. .	15.11.73	£Stg ..	12.75	18.75
British Solomon Islands Protectorate	3.3.75	\$A ..	29	33
Burma .. .. .	7.8.74	Kyats ..	130	140
Chile .. .. .	5.11.74	\$A ..	30.00	33.00
Denmark .. .. .	8.3.74	D Kr ..	290	350
Fiji .. .. .	16.1.74	\$F ..	23.00	29.00
Finland .. .. .	18.11.74	F Marks ..	164	200
France .. .. .	5.6.74	Francs ..	270	330
Germany, Federal Republic of ..	14.6.74	D Marks ..	135	150
Ghana .. .. .	20.8.74	New Cedis ..	43.50	45.50
Greece .. .. .	3.7.74	Drachmae ..	1015	1345
India—				
New Delhi .. .. .	31.10.73	Rupees ..	220	250
Bombay .. .. .	31.10.73	Rupees ..	225	250
Calcutta .. .. .	31.10.73	Rupees ..	245	270
Elsewhere—See Table B				
Indonesia .. .. .	29.11.74	Rupiahs ..	19690	21760
Iran .. .. .	19.5.74	Rials ..	2500	3030
Iraq .. .. .	19.5.74	I Dinars ..	10.250	11.750
Ireland .. .. .	3.1.75	£ Irish ..	14.35	17.15
Israel .. .. .	19.5.74	IL ..	180	214
Italy .. .. .	14.3.75	Lire ..	31000	41400
Jordan .. .. .	20.5.74	J Dinars ..	14.250	15.800
Kenya .. .. .	20.8.74	Schillings ..	240	255
Korea, Republic of .. .. .	9.1.75	Won ..	16950	19000
Kuwait .. .. .	19.5.74	K Dinars ..	16.750	17.650
Laos .. .. .	7.8.74	Kip ..	19.500	20.400
Lebanon .. .. .	13.5.74	LL ..	115	135

TABLE A—continued

Country	Effective Date of Variation	Currency of Payment	Rates of Payment per Day	
			Capt. or Relative Rank, Officers of Lower Rank and Sailors	Cdre and Above
Malaysia	11.7.74	\$M	70	80
	3.12.74	\$M	81	91
Malta	3.7.74	£M	9.35	12.40
Mauritius	1.9.74	Rupees	166	188
Mexico	14.6.74	Pesos	430	520
Nauru	16.1.74	\$A	23	25
Netherlands	8.3.74	ƒ Florins	120	150
New Zealand	16.1.74	\$NZ	22.50	27.00
Nigeria	19.8.74	Naira	28.00	32.00
Norway	18.2.75	Kronor	300	350
Pakistan—				
Islamabad/Rawalpindi and Lahore	31.10.73	Rupees	250	270
Karachi	31.10.73	Rupees	340	390
Elsewhere—See Table B				
Papua New Guinea—				
Port Moresby	5.3.75	\$A	31.00	36.00
Lae	5.3.75	\$A	31.50	33.00
Goroka	5.3.75	\$A	27.00	29.00
Mount Hagen	5.3.75	\$A	27.00	29.00
Majang	5.3.75	\$A	30.00	32.50
Wewak	5.3.75	\$A	30.00	32.00
Rabaul	5.3.75	\$A	32.00	34.00
Peru	23.10.74	Soles	1720	1800
Philippines(a)	6.5.74	Pesos	250	275
Poland—				
(c) (d) ..	25.10.74	Zloties	1050	1220
(e) (f) ..	25.10.74	Zloties	870	1085
Portugal ..	1.5.74	Escudos	880	1130
Saudi Arabia	11.6.74	S Riyals	190.000	220.000
Singapore	14.8.74	\$S	85	105
	3.12.74	\$S	92	110
South Africa	20.8.74	Rand	24.00	28.50
Sri Lanka (Ceylon)—				
Colombo	14.2.75	\$A	23.50	24.50
Elsewhere—See Table B				
Spain	11.6.74	Pesetas	1550	2200
Sweden	4.3.75	S Kroner	221	288
Switzerland	3.7.74	Francs	130	160
Tanzania ..	19.8.74	T Shillings	250	260
Thailand	7.8.74	Baht	600	700
Trinidad and Tobago	19.9.74	\$T.T.		
		16/4 to 15/12	69	78
		16/12 to 15/4	78	90
		T Lira	465	495
Turkey ..	19.5.74	\$A	28.00	35.00
Uruguay	23.10.74	Bulivars	210	240
Venezuela	13.6.74	\$VN	17800	18990
Vietnam, Republic of	28.11.74	Piastres	15760	16400
	25.6.74	New Dinar	370	450
Yugoslavia	21.11.73			

Table B

Country	Effective Date of Variation	Currency of Payment	Rates of Payment per Day	
			Capt. or Relative Rank, Officers of Lower Rank and Sailors	Cdre and Above
Algeria	19.8.74	A Dinars	100	110
Bangladesh—Elsewhere	4.2.72	\$A	8	10
Canada	16.12.74	\$CAN	21.00	24.00
Caribbean Area(b)	21.2.74	\$A	15.00	17.00
China, People's Republic of	31.1.74	Yuan	14	15
Hong Kong	2.7.73	\$HK	87	100
Germany, Democratic Republic of	19.2.75	DM	64	69
India—Elsewhere	31.10.73	Rupees	70	75
Jamaica	18.10.74	\$J	21	24
Japan	23.12.74	Yen	10400	11400
New Caledonia	16.1.74	CFP Francs	1900	2200
Pakistan—Elsewhere	31.10.73	Rupees	83	91
Papua New Guinea—Other centres	5.3.75	\$A	14.00	15.50
Sri Lanka (Ceylon)—Elsewhere	14.2.75	\$A	5.00	5.50
Union of Soviet Socialist Republics	22.11.73	Roubles	14	16
United States of America(a)	13.1.75	\$US	22.00	24.50
Vietnam, Democratic Republic of	24.2.75	Dong	32	36

Table C

Country	Effective Date of Variation	Currency of Payment	Rates of Payment per Day	
			Capt. or Relative Rank, Officers of Lower Rank and Sailors	Cdre and Above
Khmer Republic	7.8.74	\$A	3.00	3.50
Papua New Guinea	28.4.75	\$A	4.00	4.50
Other Countries	17.1.75	\$A	4.50	5.50

Notes; (a) Attention is drawn to the special provisions relating to leaders of delegations and officers accompanying ministers.

(b) Caribbean Area is defined as those islands which border the Caribbean Sea except Trinidad and Tobago, French West Indies, Netherlands Antilles, Jamaica, Haiti and Cuba. Caribbean Area Travelling Allowance also excludes members on long term posting at Trinidad and Tobago.

(c) If tourist rate of exchange is obtained, this rate must be used in calculating Travelling Allowance.

(d) These rates are to be used for members on short term missions to Warsaw for up to twenty-eight days term mission until the rates for such members are varied.

(e) This rate applies to those members accorded the 25% discount on accommodation.

(f) These rates are to be used for members on short term missions to Poland and not issued with Foreign Ministry ID cards, where the period of stay exceeds twenty-eight days, and in lieu of the rate specified for members on long or intermediate term duty in Poland.

3. Conditions of payment are contained in NPI 1705-6.

4. Navy Order 89/75 is hereby cancelled.

(Navy Order 89/75)

(25/24/264)

UNCLASSIFIED

### Section 5

#### BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

##### 244/75—Information Concerning and Distribution of Publications and Amendments Managed by Executive Officer Publications, Sydney—June 1975

1. The annexe lists publications and amendments distributed during June, 1973.
2. Allowances for ships and establishments, as distinct from gratuitous and repayment issues will be issued without demand by the Publications Authority, Garden Island, N.S.W. in accordance with an approved scale and automatic updating is provided.
3. Holders of basic publications are reminded that only those issues recorded on NAV-PUB will be updated without demand (Navy Order 158/74 refers).
4. Changes issued to publications held as advance copies or to publications not on general distribution are not reflected in Navy Orders.

##### Gratuitous Issues

5. Where it has been decided that a gratuitous or personal issue of a publication will be made, a Navy Order detailing the basis of issue and the personnel concerned, and instructing ships and establishments to obtain their requirements, for this purpose through their Supply Officer will be promulgated.

6. Supply Officers should place demands on the Publications Authority, Garden Island, N.S.W. for the total number of copies required in their respective ship or establishment, on Form SO150 (Navy Order 236/74 refers), stating the reason for the requirement and quoting the relevant Navy Order. The publications are to be accounted for by the Supply Officer in accordance with ABR 4, Article 1301 and Article 2512.

7. Automatic updating is not provided for copies of publications on gratuitous issue and demands for updating should be placed on the Publications Authority, Garden Island, N.S.W., upon notification of its availability in Navy Orders, Form SX40 should be used for demanding changes and the form should clearly state 'Required for amending Personal Issue Copies'.

##### Repayment Issues

8. If it has been approved that a publication should be made available from Departmental stocks, for sale to certain categories of personnel, a Navy Order will be promulgated detailing the basis of issue and the rate to be charged to personnel concerned.

9. Supply Officers should place demands on the Publications Authority, Garden Island, N.S.W., for the copies required, on Form SO150 quoting the reason for requirement and the relevant Navy Order. The publications are to be accounted for by the Supply Officer in accordance with ABR 4 Chapters 13 and 25.

10. Automatic updating is not provided for copies of publications issued on repayment, and demands for updating should be placed on the Publications Authority, Garden Island, N.S.W., upon notification of its availability. Again, Form SX40 should be used for demanding these changes and the form should clearly state 'Required for amending Repayment Issue Copies'.

11. Issues etc., of periodicals and magazines are not included in monthly Navy Orders.

### ANNEXE A

#### Initial Issue of Basic Publications to Approved Holders

Publication No	Title	Edition
ABR 19V3 .. ..	RAN Painting Manual Vol 3 Submarines .. ..	74
ABR 19V3 Pocket Bk .. ..	RAN Painting Manual Vol 3 Submarines Pocket Book .. ..	75
APRAN 81 .. ..	Master Modification Index .. ..	75
APRAN 82 .. ..	Practice Bombs in the RAN .. ..	75
APRAN 92 .. ..	Lightweight Portable Helipad User Hand Book .. ..	—
APRAN 300V7 Iss 2 .. ..	SeaKing MK50 Technical Maintenance Plan .. ..	74
API01C-0401-4A3 .. ..	SeaKing Schedule Index and Library Process Sheets .. ..	74
BR2215V2 .. ..	Mine Sweeping Manual Vol 2 .. ..	72
BR2436V1 .. ..	Radar Data Distribution PFA Series V1 .. ..	70
BR2436V2 .. ..	Radar Data Distribution PFA Series V2 .. ..	75
BR2780(1) .. ..	H/Bk for Sonar 2007 Catalogue of Information .. ..	73
BR2780(6) .. ..	H/Bk for Sonar Type 2007 Pt 6B, Preparation for Acceptance PT6C .. ..	73
Elist State Report .. ..	DGN(N) Elist State Report for Radio Sonar Weapon Control Stores Compass and Sins Equipt .. ..	74
E-1174 .. ..	Outfit WG Size 10 No. 1 .. ..	74
U-223 .. ..	Sonar Outfit 183 DJ .. ..	74
U-232 .. ..	Sonar Set Type 170 Series .. ..	74
U-238 .. ..	Sonar Type 176 Series .. ..	74
U-250 .. ..	Hull Outfit 67 .. ..	74
U-256 .. ..	Sonar 186AA Series .. ..	74
U-294 .. ..	For Sonar Set Type 177M .. ..	74
Miscpub 0024 P1P2 .. ..	HSA Cross Reference List Vols 1 and 2 to Type No. .. ..	74
NS0967-426-6020 .. ..	Interference Blanker MX-8758/UPX .. ..	71
OP2725 V1 .. ..	Signal Comparator CM122/DSM Description, Operation and Maintenance .. ..	—
OP2725 V2 .. ..	Signal Comparator CM122/DSM D D and M .. ..	74
WAP105B-W004-13A .. ..	SeaKing Regulator Flow Valve, IPB and Overhaul .. ..	73
WAP105B-07173-13A6 .. ..	SeaKing Sikorsky Engineering Report 4117 .. ..	73
WAP106C-W005-13A6 .. ..	SeaKing Valve, Low Level Shut-off, General Information and IPC .. ..	71
WAP106C-W007-1 .. ..	SeaKing Valve Check, Ovhl Instructions IPC General Technical Information .. ..	72
WAP106C-W0300-13A6 .. ..	SeaKing Valve, Non-return, General Information Overhaul and IPC .. ..	72
WAP106C-W0900-13A6 .. ..	SeaKing Pump, Fuel Transfer/Jet .. ..	72
WAP106D-0118-13A6 .. ..	SeaKing Valve, Refuel/de-fuel General Information and IPC .. ..	73



## ANNEXE A—continued

Publication No	Title	Edition
WAP106D-W2200-13A6	SeaKing Refuelling Adapter, 0724325	72
WAP106D-4405-1	SeaKing Pipe Connectors (screwed lt weight) coupling, General Technical Information	65
WAP106H-W001-13A	SeaKing Drain Valve, Sealol P/N5754/A	73
WAP106H-W0200-1B6	SeaKing Oil Coolers, Air Cooled Primary Surface Radial Flow Serck Type Repair and Reconditioning	67
WAP106H-0307-13A6	SeaKing Radiator, Overhaul and IPC Oil cooler (Harrison Model)	72
WAP106H-0404-13A	SeaKing Oil Coolers, Serck Type 92420, 90270 and WS12840 General Information and IPC	72
WAP106H-0607-13A6	SeaKing Fan Assy, Overhaul and IPC	73
WAP107C-W001-1	SeaKing Windscreen Wiper Components	71
WAP107C-0235-13A	SeaKing Temperature Controller	68
WAP107C-0236-13A	SeaKing Temperature Controller	68
WAP107C-W0407-13A6	SeaKing Wiper Unit, Window, IPC and Overhaul	72
WAP107E-W001-13A6	SeaKing Handfire Extinguishing General Technical Information	70
WAP107E-W0100-1	SeaKing Firewire Element Accessories General Technical Information	72
WAP107E-0102-1	SeaKing Firewire Element Accessories General Technical Information	73
WAP107E-0401-13A	SeaKing Fire Extinguishing Container P/No. 891134-02 General Information IPC and Overhaul	73
WAP107E-W0401-13A6	SeaKing Double Check Tee P/No. 966301 General Information IPC and Overhaul	72
WAP108B-0404-1	SeaKing Aircrew Equipment Assy	69
WAP108D-W001-13A6	SeaKing Aircrew Harness Chap 25-10-0, 25-10-01 Teleflex Overhaul Pub.	70
WAP108G-0201-16	SeaKing Sea Anchor, Drogue	73
WAP108G-0201-5F	SeaKing Sea Anchor Drogue Service Schedule	73
WAP108H-0103-13A	SeaKing High Speed Rescue Winch Pt No. BL-10300-52	69
WAP110G-0302-15F	SeaKing EM Release Unit No. 2 Mk 3 and 4	69
WAP110G-0304-125	SeaKing Cargo Release Unit Semi Automatic No. 1 Mk 1	69
WAP110G-0309-125F	SeaKing EM Release Units No. 20 Mk 3 and 4	71
WAP110G-0401-1	SeaKing Fuzing Unit No. 5 Mk 2	70
WAP110N-0102-1	Cable Cutting Cartridge General Information	70
WAP112B-W0100-13A6	SeaKing Indicator, Master, Sperry Pub. No. 1639	72
WAP112B-0201-13A	Compasses Magnetic Type E2 Series	71
WAP112B-0308-13A6	SeaKing—Directional Gyro Type CL11 Sperry Pub. No. 1026	72
WAP112B-0309-13A6	Detector Units, Sperry Types A, B, C, D, CTI, F and G Repair and IPC	74
WAP112B-W0311-13A6	SeaKing Mounting Racks Type A, B, C, D (Sperry)	72
WAP112B-W0312-13A6	Power Supply Units IPC General Technical Information (Sperry)	73
WAP112B-W0313-13A6	SeaKing Amplifier Servo Type 'C' Sperry Pub. No. 1248	71
WAP112B-W0314-13A6	Amplifier Slaving Type 'C'	68
WAP112B-W0315-13A6	Correction Unit Remote IPC General Technical Information (Sperry)	71
WAP112B-W0316-13A6	Control Panels (Sperry) General Information and IPC	71
WAP112B-0902-1	Vertical Reference System	73
WAP112B-0910-13A	Vertical Gyro Type 'C' Ref. No. 6TM/8 P/No. 5039	70
WAP112C-0326-13A6	Altitude Control P/No. 1058 General Information IPC, Repair and Recondition	74

## ANNEXE A—continued

Publication No	Title	Edition
WAP112C-0400-3A	Flight Control System Mk 31 Pts Catalogue	73
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WAP112C-0403-13A	Aux Hover Trim Control Unit P/NS 6190-62002 General Information	68
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ANOs 245/75-252/75



# AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,  
9 September 1975.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

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NAVY ORDERS

ADMINISTRATIVE AND GENERAL

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250/75	Information Concerning and Distribution of Publications and Amendments Managed by Executive Officer Publications, Sydney—November 1974.
251/75	Photography—Titling, Registration, Storage and Disposal of Photographic Negatives and Prints.
252/75	Visits to Department of Manufacturing Industry.

- Additional copies of Navy Orders may be readily obtained by:
- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
  - b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
  - c. telephoning Navy Office, Canberra 65 4718.



Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

245/75—Compensation for Loss or Damage to Uniform or Personal Property

1. Under Naval Financial Regulation 181 the Naval Board may approve of the replacement or payment of compensation for articles of uniform kit or goods, being the personal property of a member required for the proper performance of his duties, where a member sustains loss or damage to uniform kit or goods as a result of a casualty of the service.

2. The term 'casualty of the service' means any loss or damage arising from the sinking of or damage to a ship or from any other cause (other than theft) sustained by the member and attributable to the member's service.

3. The term 'goods' includes any personal property which the member is required to have for the proper performance of his duties. In appropriate circumstances it may include items of civilian clothing.

Conditions of Award of Compensation

4. All claims are to be supported by a certificate to the effect that the following conditions have been fulfilled:

- a. that it was not due to the neglect or default of the claimants; and
- b. that every exertion was used by them to prevent the loss or damage.

Basis of Compensation

5. The amount of compensation awarded will be calculated on the principle of making good actual losses to enable members to re-equip themselves with what is necessary for further service. Compensation for articles of a costly and luxurious type will be based on the value of corresponding articles obtainable from Service sources.

6. Where a member leaves the Service for causes other than his own misconduct before re-equipment takes place, a report of the circumstances is to be submitted to the Naval Board with a view to the award of compensation to the member concerned. Such award will be at the discretion of the Naval Board, and will not exceed the actual value, so far as it can be ascertained, of the articles lost or damaged.

7. Where a member dies before re-equipment takes place, no compensation will be payable. If expenditure on re-equipment is incurred but the member dies before a claim for refund is made, the Naval Board may, on receipt of proof of the expenditure, make an award, at their discretion, to the legal representative of the deceased.

Investigation of Claims

8. All claims are to be submitted to the Commanding Officer within one month of the date of loss or damage. Any neglect to submit a claim within this period may be held sufficient reason for its rejection.

9. Upon receipt of the claim, the Commanding Officer is to order an investigation by at least two officers with all convenient dispatch. The officers detailed to conduct this investigation are to inquire into the loss or damage and include in their report:

- a. a statement of the circumstances attending the loss or damage;

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- b. a certificate that the conditions laid down in Paragraph 4 are satisfied;
- c. a certificate as to the correctness of the items set out in the claim.

10. Where the claim is for damage only, the Investigating Officers are also to certify:

- a. the nature and extent of damage;
- b. what action has been taken to have the articles cleaned or repaired;
- c. the actual, or estimated, cost of repairs and cleaning or the estimated reduction in value as a result of the damage, which should be assessed in terms of cash, whichever is the greater. However, except for optional items of kit the amount of compensation recommended is not to exceed the unexpired value of the items; and
- d. that the articles are damaged beyond repair, if such is the case.

11. Where claims are made by personnel for loss of or irreparable damage to uniform clothing, the Investigating Officers are to assess the compensation proposed in money. Compensation for articles of compulsory kit (for the maintenance of which Uniform Maintenance Allowance is paid) is to be calculated on the basis of the current issuing prices of new articles, the actual amount to be determined by the condition of the articles at the time of loss or irreparable damage. As Uniform Maintenance Allowance is not paid in respect of articles of optional kit, the full issuing prices of such articles are to be allowed.

#### Loss or Damage to Goods

12. Compensation for loss or damage to goods will be allowed only for those which are regarded as normally necessary for the proper performance of the applicant's duties. This may, however, be interpreted in its broadest sense to cover such goods as the applicant may require for the purpose of acquiring knowledge to qualify for higher responsibilities in the Service, but excluding those used solely for private study or in connection with vocational correspondence courses. Examples of goods required for the proper performance of a member's duties would include books, instruments and tools of trade.

13. In the case of books and instruments, claims are to specify the title and publisher's name of books, and the maker's name and original cost of instruments. Books will be replaced in kind, but compensation may be paid in respect of instruments lost or others may be supplied in lieu.

14. Where a sailor has been issued with a loan tool kit no compensation will be paid in respect of loss of, or damage to, private tools held in excess of the prescribed scale.

15. Subject to fulfilment of the conditions outlined in Paragraph 4 of this Navy Order, damage to, or loss of tools comprising part of a sailor's minimum tool kit will be made good from Service stocks or at Service expense.

#### Watches

16. Claims for watches lost or damaged as a result of a casualty of the Service are to be investigated as in Paragraph 9 and the report forwarded for consideration by the Naval Board. Such claims are also to include the following information:

- a. description of the watch;
- b. purchase price;

- c. date and place of purchase; and
- d. evidence of ownership (in claims for loss only), eg, production of a receipt in respect of purchase, certificate of insurance or a statement by some independent person that the claimant was known to be in possession of such a watch.

17. A claim for damage to a member's watch is to be supported by a certificate stating that the watch was required by the member in the performance of his duties.

18. The amount of compensation payable for the loss of a watch as a result of a casualty of the Service is assessed having regard to original cost and age.

19. Compensation for damage is normally restricted to the cost of repairs.

#### Spectacles and Dentures

20. Compensation will not be paid for loss of or damage to spectacles or dentures, but they may be repaired or replaced from Service sources.

#### Inadmissible Claims

21. Compensation will not be payable for:

- a. losses or damage sustained when proceeding on or returning from leave;
- b. loss of or damage to plain clothes unless ordered to be worn for Service purposes, and provided that they were not purchased with a grant from public funds;
- c. losses which occur in circumstances which give an officer or sailor a claim for indemnification from persons, other than members of the Naval Service, through whose fault the loss occurs;
- d. losses occasioned by theft; and
- e. losses of money.

#### Settlement of Claims not Exceeding \$50

22. Commanding Officers are authorised to deal with any claim in respect of loss or damage to uniform kit or goods where the total claim does not exceed \$50.

23. All such claims are to be dealt with in accordance with these instructions except that Commanding Officers may at their discretion dispense with the requirement for the prescribed certificates.

24. In particular, before approving an award of compensation, the Commanding Officer is to satisfy himself that:

- a. the items claimed for are in the authorised compulsory or optional kit of the member;
- b. the compensation proposed has been assessed at the residual value of the item concerned, in the case of items of compulsory kit, as determined by its condition at the time of loss or irreparable damage; and
- c. the amount of the proposed compensation is based on the current Service Issuing Price of the items concerned (or contract price for a made-to-measure item even where the item claimed for is of a more expensive type than the Service item).

25. Claims which are not clearly admissible or exceed the sum of \$50 are to be forwarded through Administrative Authorities to Navy Office.

**Settlement of Officers' Claims Exceeding \$50**

26. When considered necessary by the Commanding Officer, a reasonable money advance may be authorised on the understanding that this will be adjusted as necessary on receipt of advice of Naval Board decision on the claim. Any such advance which may have been authorised is to be reported to the Naval Board when the claim is submitted.

27. Items of uniform and clothing over and above the essential outfit will be admissible within reasonable limits for purposes of compensation.

**Settlement of Sailors' (including Wrans') Claims Exceeding \$50 by Commanding Officer**

28. When immediate replacement of articles of uniform is considered necessary, the Commanding Officer may authorise such without abatement from pay on the understanding that recovery of their value will be affected if, after consideration of the matter, the Naval Board decide that an award of compensation is not to be made.

29. Compensation may be awarded in respect of compulsory and optional articles within the authorised kit for the sailor concerned, and no deduction will be made in respect of any articles over and above the authorised kit remaining in the sailor's possession after the loss and/or damage.

**Destruction of Infected Clothing, etc**

30. When the clothing or effects of a member suffering from an infectious disease are ordered to be destroyed to prevent the risk of infection to others, a list is to be made and the actual value appraised. In the event of the restoration of the patient to health, compensation will be paid according to the foregoing rules, but in the event of death, no compensation will be payable to the deceased person's representatives in respect of the articles destroyed. A certificate from the Medical Officer, stating the necessity for destroying the articles, is to be given on the list, and should be attached to the voucher for the payment or replacement.

**Claims Against Members**

31. Where the goods of a member are wilfully destroyed or damaged by another member, such loss or damage will, in the first instance, be made good at public expense. Any question as to the recovery from the pay of the offending person will be dealt with later.

**Compensation in Lieu of Damages at Common Law**

32. In addition to the entitlement provided by Naval Financial Regulation 181, a member may be entitled to reimbursement in respect of loss or damage to uniform or personal effects arising as a result of the negligence of the Australian Government or its servant. Whether an entitlement exists in such cases is a question of law, and claims under this Instruction are to be forwarded to Navy Office supported by full details of the surrounding circumstances so that the advice of the Crown Solicitor may be obtained.

33. The foregoing will be incorporated in ABR 5016 (RI).

(N117/4/2)

**UNCLASSIFIED****246/75—General Overseers and Superintendents of Inspection (GOSI)****Terms of Reference**

1. The GOSI is the overseeing and inspecting authority with the following functions:

- a. To ensure as the local Quality Assurance Representative that orders placed on contractors are completed to the specified standards and in accordance with the naval requirement. To achieve this, the GOSIs are responsible for the inspection and acceptance of all materials and equipment (excluding Armament, Victualling, Medical and Air stores) manufactured and/or repaired by contractors (other than HMA Naval Dockyards and areas covered by the Directorate of Quality Assurance, Department of Defence (Air Office), on behalf of the Naval Air Engineering Branch) against orders placed by, or on behalf of, the Department of Defence (Navy Office); and for ensuring that such items are manufactured or repaired in accordance with the relevant drawings and/or specifications as supplied by the ordering authority. Such orders may range from repair or manufacture of small machinery or equipment components to the new construction of ships.
- b. To provide overseeing services, technical advice and guidance with particular regard to the interpretation of the Naval requirement to contractors as required and as requested by the ordering authority; to progress, monitor and certify the physical and financial aspects of orders on contractors on the behalf of the ordering authority. Ordering authorities shall stipulate the specific progressing actions required of the GOSI and the frequency and nature of the progress reports required. Annexe A to this order lists typical detailed progressing functions which may be performed by GOSI at the request of ordering authorities.

**Definitions**

2. a. *Naval Overseeing* is the provision of evidence or proof that the naval requirement for value, cost, financial targets, timely delivery, quality, naval engineering practice, safety and performance have been met.
- b. *Inspection* is the activity of measuring, testing or otherwise examining products and services (including when appropriate raw materials, components and intermediate assemblies) for determining conformity with the stated requirements.
- c. *Progress* is the activity of expediting or assisting the advance of the contract by reporting and advising achievement on and naval requirements for value, cost, financial targets, timely delivery, quality, naval engineering practice, safety and performance.
- d. *Quality Assurance* is the provision of evidence or proof that the requirements for quality have been met.
- e. *Quality Control* is a management system for planning, programming and co-ordinating the establishment, maintenance and improvement of quality and reliability by the various groups in any or all of design, procurement, repair and manufacturing organisations so as to enable production at the most economical level and with such quality assurance as will provide for full customer satisfaction;
 

*Note:* Quality control is here defined in the very broad sense commonly known as total quality control.
- f. *Acceptance* is the consent to take items as offered.

3. There are two naval overseeing area organisations, each headed by a General Overseer and Superintendent of Inspection with location and other details for communication as follows:

a. *New South Wales, Queensland and Northern Territory*

The General Overseer and Superintendent of Inspection  
203-233 New South Head Road, Edgecliff, NSW  
Postal Address: Garden Island, NSW 2000  
Telephone: 326 2488  
Signal Address: GOSIEAA

Representative in Newcastle:

The Resident Naval Overseer  
Suite 410, 4th Floor  
526 Hunter Street, Newcastle  
Postal: PO Box 11, Waratah, NSW 2298  
Telephone: 26 1175

Representative in Port Kembla:

The Resident Naval Overseer  
PO Box 57, Wollongong, NSW 2500

Representative in Queensland:

The Resident Naval Overseer  
HMAS MORETON  
Merthyr Road  
NEWFARM QLD 4005  
Postal: Box 1416, GPO, Brisbane  
Telephone: 31 1611 or 31 1616

b. *Victoria, South Australia, Western Australia and Tasmania*

The General Overseer and Superintendent of Inspection  
33 Banks Street  
South Melbourne, VIC 3205  
Telephone: 699 5855  
Signal Address: GOSIVIC

Representative in Western Australia:

The Resident Naval Overseer  
18 High Street  
FREMANTLE, WA 6160  
Telephone: 35 6128

4. Each Naval Overseeing Area organisation is under the administrative control of the local Flag or Senior Officer within the terms of RI Article 2757.

5. The GOSI are functionally responsible to the Director-General, Naval Production, as follows:

- a. inspect and oversee new construction, modernisation, conversion, refits, extended refits, dockings and slippings in commercial yards and any other work when requested by the ordering authority (other than those excluded by Paragraph 1) for which orders have been placed by, or on behalf of, the Department of Defence (Navy Office), except for work which is carried out in HMA Naval Dockyards; and provide technical advice to contractors engaged on such work. Ensure that all work is completed to specified naval requirements;

- b. draft, in conjunction with outside contractors, RANTAU and ships officers concerned, trials programs for ships and support craft under construction, modernisation, conversion, refits, extended refits and for submarine main refits at commercial yards; and for the co-ordination of inspections, tests and trials at commercial yards associated with these programs; and
- c. to act, as required, as the focal point with commercial shipbuilders and other outside contractors:
- (1) on all matters associated with the planning and programming of inspections,
  - (2) for the purpose of advising the contractor of modifications previously approved by the ordering authority to be incorporated, after the order has been placed,
  - (3) for the purpose of granting concessions/production permits during repair and/or manufacture that fall within his delegation and for onward forwarding those which are outside his delegation,
  - (4) for the purpose of arranging trials and trials programs in conjunction with the contractor,
  - (5) as requested by the Supply Division, for providing technical information relating to orders placed through the Supply Division,
  - (6) as required, providing advice to DGNP on production problems, and
  - (7) for advising DGNP or Ordering Authority as appropriate of delays, observed during the course of each project, which may affect progress;
- d. keep senior officers standing by ships under construction, modernisation, conversion, extended refits, and Commanding Officers of ships in refit at commercial yards, fully informed of matters which may affect progress, including the supply of technical information. Arrange for the attendance of ship's staff at meetings, trials, etc, as necessary;
- e. advise the appropriate ordering authority of any happening which is likely to cause a significant variation to time or cost targets for orders concerned including any change to critical dates of cost targets designated for special report by ordering authorities;
- f. for the implementation of quality assurance and delegated inspection in accordance with DNQA policy as incorporated in contract documents;
- g. inspect and ensure the adequacy of contractors' safety precautions for ships, support craft and equipment against risk of fire and flooding, and against the risk of damage during launch, docking, undocking, movements and whilst changes are being made in ships' loading or structure which may affect stability or structural strength (this does not relieve ships' Commanding Officers of their responsibilities defined in current regulations);
- h. co-ordinate visits by department representatives and representatives of other Government Departments engaged on navy work in commercial shipyards and other contractors as requested;

- i. inspect and survey navy stores (except Armament, Victualling, Medical stores and those items for which inspection is delegated to the Director of Air Quality Assurance, Department of Defence (Air Office), Machinery Spares and Weapon Equipment Stores except those manufactured or repaired at HMA Naval Dockyards). Undertake inspection as required under the Major User Inspection Scheme;
  - j. provide technical advice, when requested, to storekeeping authorities upon all routine matters relating to the manufacture and repair of stores carried out by outside contractors;
  - k. when requested by an ordering authority:
    - (1) provide recommendations on tenders received for supply or repair of machinery, equipment and stores; and
    - (2) provide particulars of repairs required to machinery, equipment, support craft and stores which require preliminary survey to determine the nature and extent of such repairs;
  - l. inspect and report on the installation of technical equipment in establishments at the request of the authority concerned;
  - m. provide technical support and inspection services, as requested, to the Department of Defence (Army Office) in the building and maintenance of marine craft.
6. The GOSIs are responsible for the provision of inspection and overseeing services to Department of Defence (Navy Office), GMGID and GMWD and other ordering authorities for surface ship, submarine and support craft work undertaken at commercial yards, but the overall responsibility for each project rests with the ordering authority.
7. The GOSI is required to oversee (including the progressing of physical and financial aspects) and to inspect:
- a. submarine main refits in accordance with the approved submarine refit Management Plan;
  - b. submarine intermediate and survey dockings; and
  - c. surface ship and support craft refits, slippings and dockings on behalf of the respective ordering authorities.
8. The GOSIs are to maintain a close liaison and are to keep each other informed of all work sub-contracted from their own area. In this regard, they are to ensure that the GOSI in the area to which work has been sub-contracted receives full details of the sub-orders together with sufficient detail of the main order to ensure satisfactory overseeing and inspection.
9. Where it is decided that inspection will not be required at the contractor's work, the GOSI is to notify the contractor and ordering authority accordingly. On each occasion that an item of an order is inspected and passed as being in accordance with the contract Quality Standard, the GOSI is to furnish that contractor and ordering authority, as applicable, with a certificate to the effect. Apart from the necessity for the GOSI to have some knowledge of the numbers of items or quantity being supplied by a contractor, he is not, in the case of bulk order, required to be concerned whether the quantity purported to be delivered is correct or not.
10. Purchase of items of a simple nature to current commercial standards and not to specification, and which, on receipt, can readily be recognised by ordering authorities as being suitable for Service use, should not normally be subjected to naval inspection. Such items are to be purchased 'to the satisfaction of the ordering authority on receipt into store'.

11. Ordering authorities are to ensure that all procurement demands and repair orders raised on Dockyards, Department of Manufacturing Industry or the Australian Purchasing Commission, all invitations to tender, and all orders placed directly with contractors, which are for the attention of the GOSI, are endorsed 'To be in accordance with the requirements of Naval Inspection' or 'The requirements of Naval Quality Assurance' as applicable. They are to ensure that orders are clear and sufficient in all details regarding quantities, delivery date, specifications and drawings. Three copies of all such demands, tenders, orders and amendments to orders, together with the relevant specification and drawings are to be forwarded by the ordering authority to the GOSI in the area in which the work is to be carried out, and the ordering authority is to ensure that the contractor is provided with a copy of Form TI161 (latest revision) 'The Requirements of Naval Inspection' or Form TI364 (latest revision) 'The Requirements of Naval Quality Assurance' whichever is applicable. Where the extent of repairs required is not known and it is to be determined by the GOSI during a survey, the invitation to tender is to indicate the fact.

12. GOSI are authorised to correspond direct with the Special Deputy, Department of Defence (Navy Office), Naval Technical Services Directors-General, Administrative Authorities, Commanding Officers of HMA ships and establishments ordering and other authorities on routine technical matters in connection with overseeing and inspection. A Principal Overseer may correspond similarly but only to the extent delegated by the GOSI. In these cases also, copies of such correspondence are to be forwarded to the GOSI.

13. All GOSI policy matters and requests for additional GOSI functions and services are invariably to pass through the GOSI functional authority.

14. All correspondence from and to shipbuilders and contractors, in connection with orders for which the GOSI has a responsibility, are to be passed through the GOSI except where time precludes this procedure, when correspondence may be passed direct with a copy to the GOSI.

15. The Weapon Repair Liaison Officer and Mechanical Repair Liaison Officer are responsible to GOSIEAA for their functions.

16. The GOSIEAA is responsible for co-ordinating Naval Equipment and Stores Repair (excluding Armament, Air, Victualling and Medical Stores) and advising ordering authorities on the allocation of repair work to meet the following requirements:

- a. the timely repair of equipment to meet the requirements of the ordering authority; and
- b. the effective and economical use of the repair facilities in Dockyards, Department of Manufacturing Industry factories and contractors.

17. Ordering authorities are to ensure that copies of all orders for repair work placed on Dockyards, Department of Manufacturing Industry factories and contractors are forwarded to the GOSI so that individual repair capacities can be assessed, progress of work monitored and future allocations proposed.

18. A Naval Equipment Repair Co-ordinating Committee under the chairmanship of the GOSIEAA and comprising representatives of GMGID, GMWD, Supply Division, GOSI Victoria and NTS Headquarters Staff has been established to assist in the co-ordination of repair activities.

19. As required the GOSI are to evaluate local equipment, manufacturers' capabilities and capacities for the production and repair of machinery and equipment for naval purposes, forwarding reports to the Director-General of Naval Production.

20. GOSIEAA is, ex-officio, chairman of the Cockatoo Island Dockyard Lease Supervisory Committee with responsibilities defined in current Navy Orders.

21. GOSIEAA is, ex-officio, chairman of the working party investigating repair by replacement of naval equipment. The Working Party is responsible to the Steering Committee on the subject.

22. Nothing in this order is to be construed as relieving ordering officers of responsibility for obtaining the best value for the money spent, ensuring timely delivery, certifying overall costs and achieving financial targets in respect of items or services ordered.

23. Navy Order 183/73 is hereby cancelled. Confidential Navy Order 8/73 will be suitably amended.

#### ANNEXE A

##### GOSI Progressing Function

1. This function is as follows:

'As requested by the Ordering Authority, and on his behalf, to progress, monitor and certify the physical and financial aspects of orders on contractors.'

2. The detailed functions of progressing officers extending from pre-refit/production meeting to post-refit/production meeting may include the following:

##### a. Pre-order

(1) Arrange pre-refit/production meeting and:

- (a) check that all parties concerned are aware of their part in the efficient and timely completion of the order;
- (b) ensure that the contractor's work program is submitted in accordance with the order and is acceptable to all concerned;
- (c) check that the Ordering Authority has ensured that procurement action for 'in-aid' stores and equipment has been taken and also that anticipated deliveries are within the planned timescale;
- (d) establish broad lines of communications between himself, the contractor, the Ordering Authority and other authorities involved;
- (e) establish the funds planned to be available, the planned spread of expenditure and method of control of funds;
- (f) check that all technical information is available to the contractor; and
- (g) comment that a particular quotation in response to an invitation to tender is 'fair and reasonable', or otherwise.

##### b. During Currency of Order

(1) Prior to commencement of work:

- (a) establish lines of communications with the contractor's organisation for the supply of feedback of detailed information;
- (b) establish lines of communications with the Ordering Authority and other authorities involved and arrange necessary feedback;
- (c) check that the Ordering Authority has provided all departmental paperwork to the contractor, and that the contractor is aware of the information to be provided;

#### ANNEXE A—continued

- (d) in conjunction with the contractor, the Ordering Authority, RANTAU, ship's staff and others concerned, arrange detailed program of tests, trials, etc, required;
- (e) in conjunction with the contractor arrange intermediate milestones and details for reporting of progress in accordance with the requirements of the Ordering Authority; and
- (f) establish methods of release of work and completion reporting to meet the requirements of the Ordering Authority.

(2) After commencement of work:

- (a) control and authorise the issue of all work to the contractor in priority order;
- (b) check that all milestones have been achieved on time, eg, surveys, supply of 'in-aid' stores and equipment;
- (c) provide regular progress reports to relevant authorities as required;
- (d) monitor progress of work and expenditure of funds;
- (e) certify progress claims are commensurate with work done;
- (f) approve sub-orders for sub-contract work and materials when required to do so under the terms of the contract;
- (g) arrange periodic meetings to discuss problems and report on progress;
- (h) advise the Ordering Authority with specific details of additional funds required or where uncompleted work will affect the final completion of the contract, to enable necessary action to be taken;
- (i) authorise all overtime for the contractor within the terms of the contract;
- (j) arrange as appropriate for a periodical check of contractor's costs in association with the Area Finance Officer;
- (k) check that the contractor's program of work is updated regularly, and reflects changes;
- (l) advise the Ordering Authority when delays in the supply of 'in-aid' stores and equipment will affect the achievement of planned milestones with resulting effect on completion of order;
- (m) in conjunction with contractor and GOSI Quality Assurance representative ensure that all necessary Quality Assurance tests and trials are carried out as programmed; and
- (n) check with the Ordering Authority that all progressive technical information will be available on time.

##### c. Completion of Order

- (1) Convene post-refit/production meeting to ensure contract has been completed to the satisfaction of all concerned.
- (2) Prepare and distribute completion report covering all aspects of the contract, highlighting problems and submitting suggestions for overcoming these problems on similar orders.
- (3) Certify the final claim by the contractor.

(N342/11/40)

(Navy Order 183/73 and Confidential Navy Order 8/73)

## Section 4

## EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

## 247/75—Introduction of Felt Tip Marking Mediums for Sonar Recorder Papers

1. The manufacture of 6135-99-910-1146, Battery E/R Type 793 has been discontinued without replacement. As this battery was used to power the electric pencils of Types 162, 170 and 177 Sonar Recorders, an alternative means of marking recorder paper was necessary.

2. Accordingly, the following commercial type felt tipped marker has been introduced:

Class	Catalogue No	Description	Unit of Issue	Acctg Class
7520	66-084-8729	MARKER, SONAR RECORDER	Ea	C

3. As these markers tend to dry out quickly, it is important that operators ensure that they are not left uncapped when not in use.

4. Stocks are available at Royal Edward Victualling Yard to meet demands from holders of the above equipment.

(1/6135/4)

UNCLASSIFIED

## 248/75—Items for Inclusion in RAN Liferaft Survival Packs

1. The following items will be included in RAN Liferaft Survival Packs, to the scale indicated below:

## Item Identification

Class	Catalogue No	Description	Unit of Issue	Acctg Class
(a) 4220	66-059-7299	SHEET, RESCUE .. .. .	EA	C
(b) 8465	99-425-9791	BAG, RAINWATER .. .. .	EA	C
(c) 7810	99-125-3685	FISHING TACKLE, TROPICAL .. .. .	EA	P

## Scale

Liferaft	(a)	(b)	(c)
SOLAS Type III (20 Man) .. .. .	2	2	1
Admiralty PATT 5604 (20 Man) .. .. .	2	2	1
USN MK 5 (15 Man) .. .. .	2	2	1
All other Liferrafts .. .. .	1	1	1

2. This information will be included in the updated version of ABR 1977/1970 Manual of Lifesaving and Inflatable Equipment, when promulgated.

(400/1/3292)

## Section 6

## ESTABLISHMENTS

UNCLASSIFIED

## 249/75—Use of Flammable Liquids in Store Buildings

1. Flammable liquids are not to be permanently stored in storehouse buildings except in specially constructed flammable storehouses.

Flammable liquids, eg, paints, oils, cleaning solvents, sealing compounds, etc, required for immediate use in storehouses for preservation, cleaning, marking, etc, may be taken into storehouse building under the following conditions:

- the quantity of flammable liquid having a flash point of 65.5° C or below, ie, methylated spirits, petrol, naphtha, turpentine, lacquer thinners, etc, in use in any location at the one time does not exceed one litre;
- the total quantity of all flammable liquids taken into the storehouse at any one time does not exceed twenty litres;
- at the close of business each day all flammable liquids are removed from the storehouse building and returned to the flammable liquid store;
- where a workshop is sited within a portion of a storehouse building the limitations at a. and b. are applicable to the portion of the building used as a store; and
- where offices are sited in storehouse buildings, duplicating fluid to the limit of a one gallon container is permitted, but this is the total quantity to be held.

(177/51/62)

RESTRICTED

## 251/75—Photography—Taking, Restrictions, Storage and Disposal of Photographic Negatives and Prints

1. Navy Order 120/75 is to be amended to include:

- Photography E.A. .. .. . Amend Chapter 3 of ACN 5117, Navy ABR 317 Chapter 4
- Photography R.E. .. .. . Amend Recommendations to be graded as CONFIDENTIAL, Navy .. .. . to be classified according to annex.

(Navy Order 120/75)

EQUIPMENT/COMMUNICATIONS

UNCLASSIFIED

UNCLASSIFIED

247/75—

1. The following items are to be amended as follows:

NS0967-004-2000 Radio Transmitter Receiver 4PG Amplifier E/ect Assy

amend title to read: 'TEST DATA for RF Amplifier Assy (A2A4) Part of RADIO TRANSMITTER T-827/URT and RADIO RECEIVER R-1051/URR'.

NS0967-004-3000 Radio Transmitter Receiver 10PG Translator SYN E/Assy

amend title to read: 'TEST DATA for TRANSLATOR/SYNTHESISER ASSY (A2A6) Part of RADIO TRANSMITTER T-827/URT and RADIO RECEIVER R-1051/URR'.

NS0967-004-4000 RADIO TRANSMITTER T827/VRT RECEIVER R-1051/URR STAN E/C

amend title to read: 'TEST DATA for FREQUENCY STANDARD ELECTRONIC ASSY (A2A5) Part of RADIO TRANSMITTER T-827/URT and RADIO RECEIVER R-1051/URR'.

(UNCLASSIFIED)

248/75—

1. The following items are to be amended as follows:

Class	Designation	Description	Qty	Unit
(a)	4230	64-205-729	SMALL RICKLE	EA
(b)	4445	96-122-899	EAL RAINWATER	EA
(c)	7910	95-122-882	FISHING TACKLE (MUSICAL)	EA

Code	Library	(a)	(b)	(c)
	SOLAS Type III (28 May)	1	2	1
	Admiral PATT NW (28 May)	1	2	1
	USN ME 5 (13 May)	1	2	1
	All other libraries	1	1	1

2. This information will be retained in the original version of 248-487/75 Manual of Librarianship and Intuitive Equipment, when promulgated.

(1980-1/1022)

AMENDMENTS

UNCLASSIFIED

250/75—Information Concerning and Distribution of Publications and Amendments Managed by Executive Officer Publications, Sydney—November 1974

1. Navy Order 55/75 is to be amended as follows:

Annexe A:

NS0967-004-2000 Radio Transmitter Receiver 4PG Amplifier E/ect Assy

amend title to read: 'TEST DATA for RF Amplifier Assy (A2A4) Part of RADIO TRANSMITTER T-827/URT and RADIO RECEIVER R-1051/URR'.

NS0967-004-3000 Radio Transmitter Receiver 10PG Translator SYN E/Assy

amend title to read: 'TEST DATA for TRANSLATOR/SYNTHESISER ASSY (A2A6) Part of RADIO TRANSMITTER T-827/URT and RADIO RECEIVER R-1051/URR'.

NS0967-004-4000 RADIO TRANSMITTER T827/VRT RECEIVER R-1051/URR STAN E/C

amend title to read: 'TEST DATA for FREQUENCY STANDARD ELECTRONIC ASSY (A2A5) Part of RADIO TRANSMITTER T-827/URT and RADIO RECEIVER R-1051/URR'.

(465/61/228)

(Navy Order 55/75)

RESTRICTED

251/75—Photography—Titling, Registration, Storage and Disposal of Photographic Negatives and Prints

1. Navy Order 150/75 is to be amended as follows:

- a. Sub-paragraph 8 a. . . . delete 'Chapter 3 of ACB 0337', insert . . . 'ABR 337 Chapter 4'.
- b. Sub-paragraph 8 f. . . . delete 'automatically to be graded as CONFIDENTIAL', insert . . . 'to be classified according to content'.

(164/201/5)

(Navy Order 150/75)



UNCLASSIFIED

252/75—Visits to Department of Manufacturing Industry

1. Navy Order 167/75 is to be amended as follows:
  - a. **Title** after 'Industry':  
*Insert:* /Defence Research and Development.
  - b. **Paragraph 1 line 3** after 'Industry':  
*Insert:* /Defence Research and Development.
  - c. **Paragraph 1 b. line 2** after 'Industry':  
*Insert:* or the Defence establishments concerned.
  - d. **Paragraph 4 line 1** after 'Industry':  
*Insert:* /Defence Research and Development establishments.
  - e. **Paragraph 5 line 1** after 'visits to all':  
*Insert:* Defence Research and Development establishments as well as.
  - f. **Paragraph 6 line 1:**  
*Delete:* 'Department of Manufacturing Industry'.

(42/201/17)

(Navy Order 167/75)

AMENDMENTS

UNCLASSIFIED

252/75—Information Concerning and Distribution of Publications and Amendments Managed by Executive Officer Publications Sydney—November 1974

1. Navy Order 251/75 is to be amended as follows:

Amend A:

NS097-004-3000 Radio Transmitter Receiver 4100 Anglier 8/10/75

Amend this to read:

TEST DATA for RF Anglier Assy (A2A4) Part of RADIO TRANSMITTER TRANSMITTER T-21/URR and RADIO RECEIVER R-1031/URR.

NS097-004-3000 Radio Transmitter Receiver 1000 Transloc SYN E/Assy

Amend this to read:

TEST DATA for TRANSLATOR/SYNTHESIZER ASSY (A2A8) Part of RADIO TRANSMITTER T-21/URR and RADIO RECEIVER R-1031/URR.

NS097-004-4000 RADIO TRANSMITTER T-21/URR RECEIVER R-1031/URR STAN E/C

Amend this to read:

TEST DATA for FREQUENCY STANDARD ELECTRONIC ASSY (A2A3) Part of RADIO TRANSMITTER T-21/URR and RADIO RECEIVER R-1031/URR.

(42/201/23)

(Navy Order 251/75)

RESTRICTED

251/75—Photography—Timing, Registration, Storage and Disposal of Photographic Negatives and Prints

1. Navy Order 150/75 is to be amended as follows:

a. Sub-paragraph 8 a. . . . . 'ARR 357 Chapter 8'

b. Sub-paragraph 8 c. . . . . 'ARR 357 Chapter 8' to be amended to read as follows: 'ARR 357 Chapter 8' to be classified according to content.

(104/201/75)

(Navy Order 150/75)

UNCLASSIFIED

32272—Visits to Department of Manufacturing Industry

- 1. Copy Order 16772 is to be amended as follows:
  - a. This after Industry;
  - b. Insert: Industry Research and Development;
  - c. Paragraph 1 line 2 after Industry;
  - d. Paragraph 1 line 3 after Industry;
  - e. Paragraph 1 line 4 after Industry;
  - f. Paragraph 1 line 5 after Industry;
  - g. Paragraph 1 line 6 after Industry;
  - h. Paragraph 1 line 7 after Industry;
  - i. Paragraph 1 line 8 after Industry;
  - j. Paragraph 1 line 9 after Industry;
  - k. Paragraph 1 line 10 after Industry;
  - l. Paragraph 1 line 11 after Industry;
  - m. Paragraph 1 line 12 after Industry;
  - n. Paragraph 1 line 13 after Industry;
  - o. Paragraph 1 line 14 after Industry;
  - p. Paragraph 1 line 15 after Industry;
  - q. Paragraph 1 line 16 after Industry;
  - r. Paragraph 1 line 17 after Industry;
  - s. Paragraph 1 line 18 after Industry;
  - t. Paragraph 1 line 19 after Industry;
  - u. Paragraph 1 line 20 after Industry;
  - v. Paragraph 1 line 21 after Industry;
  - w. Paragraph 1 line 22 after Industry;
  - x. Paragraph 1 line 23 after Industry;
  - y. Paragraph 1 line 24 after Industry;
  - z. Paragraph 1 line 25 after Industry;
- 2. Paragraph 1 line 1;

16772(17)

(Copy Order 16772)

**RESTRICTED**

**RESTRICTED**



ANO 253/75

HISTORIAN  
VICTORIA BARRACKS  
MELBOURNE

# AUSTRALIAN NAVY ORDER

NAVY OFFICE, CANBERRA,  
12 September 1975.

The enclosed order is promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

Section 3

OPERATIONAL AND TRAINING

UNCLASSIFIED

253/75—Services General Certificate of Education

1. The use of the Services General Certificate of Education is to provide a means of entry at the level of the Victorian School Leaving Examination for personnel of the Australian Defence Force serving in Australia or abroad on that with pertinent use.

- a. qualify for commissioning into the service;
- b. attain a recognized educational standard which will qualify them for more advanced studies through the various their educational authorities; and
- c. be entitled to their experience in various capacities for completion of their service.

2. The Services General Certificate of Education (S.G.C.E.) is administered by the Australian Defence Force by the Services Education Coordination Committee.

Educational Qualifications for Appointment to Commissioned Rank

1. The content and procedure of subjects in which grades must be obtained to qualify for appointment to commissioned rank are defined in Part Appendix 43A and in the attached notes thereto.

Exemptions from the S.G.C.E. Examinations **CONTENTS**

1. Part Appendix 43A defines the various educational and occupational standards which will be accepted as equivalent to the Services General Certificate of Education for purposes of exemption and the

**SECTION 3—OPERATIONAL AND TRAINING**

**253/75 Services General Certificate of Education.**

Range of Subjects

1. Subjects which are currently available to the S.G.C.E. Examinations comprise:

- 200 English
- 201 Modern History
- 202 Economics
- 203 Geography
- 204 Chemistry (see 204B)
- 205 Botany
- 206 Mathematics I } (see Note 2)
- 207 Mathematics II }
- 208 Physics
- 209 Asian History
- 210 Modern Mathematics I }
- 211 Modern Mathematics II } (see Note 2)
- 212 Social Studies

Note 1. Entry to the Chemistry Examinations is limited to candidates who have completed a practical laboratory course. A 100-hour course is conducted annually at HMAS CERBERUS commencing on the first Monday in August. Examinations procedures are detailed in Paragraphs 12 and 14 of this article.

Note 2. Modern Mathematics I and II are alternatives to Mathematics I and II respectively and the alternative subjects are treated as equivalent.

NAVY ORDERS

Additional copies of Navy Orders may be readily obtained by:

- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 4718.

## Section 3

## OPERATIONAL AND TRAINING

## UNCLASSIFIED

## 253/75—Services General Certificate of Education

1. The aim of the Services General Certificate of Education is to provide courses of study at the level of the Victorian School Leaving Examination for personnel of the Australian Defence Force serving in Australia or abroad so that such personnel may:

- a. qualify for commissioned rank in the Services;
- b. attain a recognised educational standard which will qualify them for more advanced studies through the various State educational authorities; and
- c. be assisted in their resettlement in civilian vocations on completion of their service.

2. The Services General Certificate of Education (SGCE) is administered for the Australian Defence Force by the Services Education Co-ordination Committee.

## Educational Qualifications for Appointment to Commissioned Rank

3. The number and grouping of subjects in which passes must be obtained to qualify educationally for commissioned rank are defined in RI Appendix 45A and in the relevant navy order.

## Exemptions From the SGCE Examinations

4. RI Appendix 45A defines the various civilian educational standards which will be accepted as equivalent to the Services General Certificate of Education for purposes of promotion and for other purposes.

5. The award of exemptions in no way qualifies an applicant for the award of an SGCE Certificate.

## Range of Subjects

6. Subjects which are currently available in the SGCE Examination comprise:

- |            |     |                       |                |
|------------|-----|-----------------------|----------------|
| Serial No. | 200 | English               |                |
|            | 201 | Modern History        |                |
|            | 202 | Economics             |                |
|            | 203 | Geography             |                |
|            | 204 | Chemistry             | (see Note 1)   |
|            | 205 | Navigation            |                |
|            | 206 | Mathematics I         | } (see Note 2) |
|            | 207 | Mathematics II        |                |
|            | 208 | Physics               |                |
|            | 209 | Asian History         |                |
|            | 210 | Modern Mathematics I  | } (see Note 2) |
|            | 211 | Modern Mathematics II |                |
|            | 212 | Social Studies        |                |

Notes: 1. Entry to the Chemistry examination is limited to candidates who have completed a practical laboratory course. A two-week course is conducted annually at HMAS CERBERUS commencing on the first Monday in August. Nomination procedures are detailed in Paragraphs 13 and 14 of this order.

2. Modern Mathematics I and II are alternatives to Mathematics I and II respectively and the alternative subjects are examined concurrently.

### Examinations

7. Examinations in all subjects except Chemistry are conducted biannually, normally in April and October. The Chemistry examination is conducted annually in October. All examinations are of three hours duration. Details of examination dates for each year are promulgated in the relevant navy order.

### Distribution of Examination Papers

8. Papers are issued in the scale set out below, to ships and establishments named. All other ships and establishments will receive papers only in response to nominations received. Paragraph 12 refers.

	English	Modern History	Economics	Geography	Chemistry	Navigation	Mathematics I	Mathematics II	Physics	Asian History	Modern Mathematics I	Modern Mathematics II	Social Studies
	200	201	202	203	204	205	206	207	208	209	210	211	212
NIRIMBA ..	15	5	5	5	5	5	15	5	15	5	15	5	5
LEEWIN ..	60	5	5	60	5	60	30	5	60	5	60	5	5
ALBATROSS ..	2	2	2	2	2	2	2	2	2	2	2	2	2
CERBERUS ..	5	5	5	5	5	5	5	5	5	5	5	5	5
WATSON ..	5	5	5	5	5	15	5	5	5	5	5	5	5
MELBOURNE ..	2	2	2	2	2	2	2	2	2	2	2	2	2
STALWART ..	2	2	2	2	2	2	2	2	2	2	2	2	2

### SGCE Handbook and Syllabi

9. The SGCE Handbook gives general information concerning the structure of the SGCE examinations and broad guidelines for administrative arrangements within the Defence Force. Copies of the Handbook may be requested from the Director of Naval Education Services (DNES).

10. The syllabus for each subject is detailed in the SGCE Handbook and in the relevant Study Guide.

### Metrication

11. In accordance with Australia's stated metrication timetable, SGCE examinations now require some use of metric units.

### Nominations for Examination

12. Only nominated candidates may sit for the Services General Certificate of Education. Nominations are to be restricted to candidates who have completed a satisfactory course of study either by correspondence or attendance. Nomination forms are forwarded to Education Officers two months before the commencement date of an examination series for completion and return to DNES by the date specified on the nomination form. Examination papers will be dispatched in excess of the scale in Paragraph 8, and to other ships and establishments only to cover nominations received.

### Nominations for Chemistry Laboratory Course

13. Nominations of candidates for the Chemistry examination are to be restricted to personnel who have attended the Chemistry Laboratory Course or the LEEWIN Matriculation Course.

14. A two-week course is conducted at HMAS CERBERUS commencing on the first Monday in August of each year. Nominations of recommended candidates are to be forwarded to DNES to arrive by 30 June. Selections will be signalled as soon as possible after that date; personnel are to be loaned to HMAS CERBERUS for the duration of the course. Officer candidates attending the Matriculation Preparatory Course at HMAS LEEWIN are exempt from the requirement to undertake this course as a prerequisite to attempting the SGCE Chemistry examination.

### Correspondence Courses

15. Requests for study materials and names and ranks of prospective students are to be forwarded to DNES. Requests are to be limited to a maximum of two subjects for each student. The Study Guides incorporate study material related to prescribed textbooks and include assignments which may be forwarded to DNES for assistance and evaluation in ships and establishments where the Education Officer is not an Instructor Officer.

### Textbooks

16. The allowances of textbooks and instruments approved for use in preparation for educational tests are shown in Annexe A to this order.

17. Demands are to be raised where necessary, to bring current holdings of other items up to the prescribed allowances. The procedures to be followed in demanding, accounting and return of these items are detailed in ABR 4 chapter 25 and the relevant navy order and requests are to be forwarded to Executive Officer Publications, Garden Island, Sydney 2000.

18. Submarines, minesweepers, minehunters, patrol boats, coastal surveying ships and other small ships have no allowances of textbooks and instruments. Items required for candidates from these ships are to be drawn on loan from the relevant base establishment, and returned when no longer required.

19. A supply of textbooks is held in the Central Reference Library, HMAS WATSON, to meet surges in requirement which cannot be met by the approved allowances. Demands are to be forwarded by Education Officers to the Senior Instructor Officer HMAS WATSON. These books are to be returned as soon as the requirement ceases.

20. Demands for exercise navigation charts and mercatorial plotting sheets are to be forwarded to the RAN Chart Depot, Observatory Hill, Sydney, 2000.

### Grading of Results

21. Candidates results are graded using the stanine distribution method as follows:

Stanine Score	Grade
D9 .. .. .	Distinction
C8, C7 .. .. .	Credit
P6, P5, P4 .. .. .	Pass
N3, N2, N1 .. .. .	Fail

22. The English examination comprises papers in English Expression and English Literature. Subject to a candidate attaining a satisfactory level in English Expression, a subject pass will be determined by the aggregate of marks obtained in both papers.

23. Applications for the re-mark of a candidate's worked papers will not normally be approved unless there is strong supporting evidence that the marks may be in error.

### Examiners Reports

24. An Examiners Report is distributed to Education Officers after each exam series. The report includes copies of all examination papers with examiners comments, answers where appropriate and statistics of results.

**Issue of Certificates**

25. An SGCE Certificate is issued to a candidate as soon as passes have been achieved in four subjects. Certificates will normally be issued on discharge to candidates who achieve passes in less than four subjects or who have added to or improved subject passes subsequent to the issue of a certificate. However, a certificate may be obtained at any time by application to DNES should there be a requirement.

**SGCE Preparatory Course**

26. A preparatory course to assist selected SD, SL and WRANS officer candidates to qualify educationally for commissioned rank is conducted biannually in HMAS LEEUWIN.

27. The courses, which are of approximately nineteen weeks duration, normally commence on the second Monday in January and July. The course caters primarily for the SGCE subjects of English, Mathematics, Geography, Physics and Navigation but additional subjects available where appropriate.

28. Although SGCE subject syllabi are followed, the length of the course makes it more convenient for candidates to attempt the LEEUWIN Educational Test (LET) which is conducted in mid-May and mid-November. Passes in LET subjects are alternatives to SGCE passes for purposes of qualifying educationally for commissioned rank but do not count towards the award of an SGCE Certificate. Candidates are given the opportunity to sit for the SGCE examinations in April or October if they have achieved a suitable standard at this stage of the course.

**Recognition of SGCE by Other Authorities**

29. The degrees of recognition accorded to the Services General Certificate of Education by the various State educational authorities and by the Australian Public Service Board are defined below. The degree of recognition approved by the Victorian Universities and Schools Examinations Board is of special significance and the conditions governing this recognition are given in detail hereunder.

30. Where it is proposed to use SGCE subject passes to establish eligibility to undertake, by correspondence or attendance, a further course of study leading to a higher academic or technical qualification, candidates should study the appropriate handbook or manual issued by the particular examinations board, and, if necessary, write to the State authority concerned to obtain details of any compulsory subjects and other prescriptions relevant to the particular course of study proposed.

**Victorian Universities and Schools Examinations Board**

31. The VUSEB advises that, subject to triennial review, it will:

- a. recognise approved SGCE subjects as being equivalent to the Victorian School Leaving Examination subjects for purposes of the Matriculation prerequisite;
- b. authorise endorsement of the SGCE Certificate to the effect that the VUSEB recognises subject passes in this examination as being equivalent to its own school leaving subjects.

32. Recognition accorded to SGCE by the various educational authorities is as follows:

<i>Authority</i>	<i>Education Equivalent</i>
Royal Melbourne Institute of Technology	Equivalent to Victorian Technical Leaving Examination. There are subject prescriptions governing eligibility to undertake the various Leaving entry courses.

<i>Authority</i>	<i>Education Equivalent</i>																
N.S.W. Department of Education	Recognised on a subject basis as equivalent to N.S.W. School Certificate as follows: <table border="0" style="margin-left: 20px;"> <thead> <tr> <th style="text-align: left;"><i>SGCE</i></th> <th style="text-align: left;"><i>School Certificate</i></th> </tr> </thead> <tbody> <tr> <td>English ..</td> <td>English</td> </tr> <tr> <td>Economics ..</td> <td>Commerce</td> </tr> <tr> <td>Modern History ..</td> <td>History</td> </tr> <tr> <td>Mathematics I</td> <td rowspan="2">} Mathematics</td> </tr> <tr> <td>Mathematics II</td> </tr> <tr> <td>Physics ..</td> <td rowspan="2">} Science</td> </tr> <tr> <td>Chemistry ..</td> </tr> <tr> <td>Geography ..</td> <td>Geography</td> </tr> </tbody> </table>	<i>SGCE</i>	<i>School Certificate</i>	English ..	English	Economics ..	Commerce	Modern History ..	History	Mathematics I	} Mathematics	Mathematics II	Physics ..	} Science	Chemistry ..	Geography ..	Geography
<i>SGCE</i>	<i>School Certificate</i>																
English ..	English																
Economics ..	Commerce																
Modern History ..	History																
Mathematics I	} Mathematics																
Mathematics II																	
Physics ..	} Science																
Chemistry ..																	
Geography ..	Geography																
Queensland Department of Education	Equivalent to subjects passed at Grade Eleven (sub-senior).																
South Australian Department of Education	Equivalent to subjects passed at the Leaving Technical Certificate or Leaving Area Examinations.																
Western Australian Department of Education	Equivalent to subjects passed at 4th Year (sub-matriculation). SGCE Mathematics I and Mathematics II are together equivalent to Leaving Mathematics A.																
Tasmanian Schools Board	No formal recognition, but SGCE subjects are considered to be of Schools Board Certificate standard except in Economics and Navigation for which there are no subject equivalents. Individual applications for recognition of qualifications will be necessary.																

**Entry Qualifications to the Third Division of the Australian Public Service**

33. The academic standard for entry to the Third Division of the Service will be a pass in four subjects at one of the following examinations:

- a. Victorian Higher School Certificate (or its equivalent, ie, Matriculation).
- b. College of Advanced Education Diploma Preliminary Year.

*Conditions:* Subjects passed must include at least three subjects selected from the following:

Mathematics, Physics, Chemistry, Biology, Economics, Geography, Accounting, English.

34. Admission to a degree course at an Australian University or a College of Advanced Education will also be regarded as meeting the requirements for appointment, promotion or transfer to the Third Division.

35. *The Services General Certificate of Education as an examination conducted on behalf of the Board for purposes of appointment, promotion or transfer to the Third Division continues to be accepted. Passes in four subjects are required.*

36. These conditions were notified in the Australian Government Gazette No 72 of 21 June 1973 and No 102 of 16 August 1973. Public Service Regulation 112 was amended on 17 December 1973.

37. Navy Order 336/74 is hereby cancelled.



## ANNEXE A

## Scale of Texts For Ships/Establishments Where an Instructor Officer is Borne

Ref. No.	Title	CERBERUS	CRESWELL	LEEWIN	MELBOURNE	NIRIMBA	STALWART	ALBATROSS	WATSON
	<i>English</i>								
EDUC 200-01	Galaxy of Poems .. .. .	20	5	500	10	10	5	20	10
EDUC 200-02	Macbeth .. .. .	20	5	400	5	5	5	20	5
EDUC 200-03	Julius Caesar .. .. .	20	5	400	5	5	5	20	5
EDUC 200-04	Hamlet .. .. .	20	5	5	5	5	5	20	5
EDUC 200-05	Pygmalion .. .. .	20	5	500	5	5	5	20	5
EDUC 200-06	Death of a Salesman .. .. .	20	5	40	5	5	5	20	5
EDUC 200-07	Summer of the Seventeenth Doll .. .. .	20	5	400	5	5	5	20	5
EDUC 200-08	The Spy Who Came in from the Cold .. .. .	20	5	500	5	5	5	20	5
EDUC 200-09	Lord of the Flies .. .. .	20	5	40	5	5	5	20	5
EDUC 200-10	Bring Larks and Heroes .. .. .	20	5	40	5	5	5	20	5
EDUC 200-11	Australian Heritage .. .. .	20	5	500	10	10	5	20	10
EDUC 200-12	Precis Writing .. .. .	20	5	200	10	10	5	20	10
EDUC 200-13	Uncommon Common Sense .. .. .	20	5	200	10	10	5	20	10
EDUC 200-14	Expressive English .. .. .	20	5	20	10	10	5	20	10
BR 451	Concise Oxford Dictionary .. .. .	2	1	12	2	2	2	2	1
ABR 5030	Pocket Oxford Dictionary .. .. .	20	..	400	15	15	2	20	10
	<i>Modern History</i>								
EDUC 201-00	Outline of Australian Naval History .. .. .	..	..	..	..	..	..	..	..
EDUC 201-01	Modern Times .. .. .	5	3	6	3	3	3	5	3
EDUC 201-02	Britain, Europe and the Modern World 1918-1968 .. .. .	5	3	6	3	3	3	5	3
EDUC 201-03	Recent History Atlas .. .. .	5	3	6	3	3	3	5	3
	<i>Economics</i>								
EDUC 202-01	Descriptive Economics .. .. .	4	3	..	3	3	3	5	3
EDUC 202-02	Our Economic Environment, Part I .. .. .	4	3	..	3	3	3	5	3
	<i>Geography</i>								
EDUC 203-01	World, Water and Environment .. .. .	15	3	200	5	5	2	15	5
EDUC 203-02	Australian Resources and Their Utilisation .. .. .	15	3	200	5	5	2	15	5
EDUC 203-03	Physical Geography in Diagrams .. .. .	15	3	200	5	5	2	15	5
EDUC 203-04	Southeast Asia .. .. .	15	3	200	5	..	2	15	5
EDUC 203-05	A Dictionary of Geography .. .. .	15	3	200	5	..	2	15	5
EDUC 203-06	Map Studies of Australian Landscapes .. .. .	4	2	50	2	..	2	15	2
EDUC 203-07	A Geography of Papua and New Guinea .. .. .	4	3	40	5	..	2	15	5
EDUC 203-08	Jacaranda Atlas .. .. .	4	2	100	5	5	2	15	5
EDUC 203-09	Atlas of South East Asia .. .. .	4	2	100	5	5	2	15	5
EDUC 203-10	Atlas of South West Pacific .. .. .	4	2	100	5	5	2	15	5
	<i>Chemistry</i>								
EDUC 204-01	Fundamental Chemistry .. .. .	3	2	..	2	2	2	5	2
EDUC 204-02	Modern Approach to Chemistry .. .. .	3	2	..	2	2	2	5	2
	<i>Navigation</i>								
EDUC 205-01	Tables of Computed Altitude and Azimuth Vol III .. .. .	10	5	50	5	5	5	5	40
EDUC 205-02	1975 Nautical Almanac .. .. .	10	12	50	5	5	3	5	60
EDUC 205-03	Four Figure Tables .. .. .	20	5	900	10	10	10	30	10
EDUC 205-04	Notes on Navigation .. .. .	10	5	50	5	5	3	5	40
	<i>Navigation</i>								
	Australian National Tide Tables .. .. .	10	6	50	5	5	3	5	60
BR 45 Vol 1..	Admiralty Manual of Navigation Vol I .. .. .	10	5	50	5	5	3	5	40
BR 45 Vol 2..	Admiralty Manual of Navigation Vol II .. .. .	10	5	50	5	5	3	5	40

## ANNEXE A—continued

Ref. No.	Title	CERBERUS	CRESWELL	LEEWIN	MELBOURNE	NIRIMBA	STALWART	ALBATROSS	WATSON
	<i>Navigation Instruments</i>								
	Compasses, Brass 10 cm approximately with locking device .. .. .	20	5	100	5	5	5	5	40
	Dividers, 13 cm, Brass, with fixed points .. .. .	10	5	100	5	5	5	5	40
	Protractors, Plastic 15 cm, semi-circular .. .. .	20	5	20	5	5	5	5	40
	Rulers, Parallel Rolling Brass 45 cm .. .. .	10	5	20	5	5	5	5	20
	Rulers, Boxwood, 30 cm (graduated in cms and tenths inches) .. .. .	20	5	..	10	10	10	5	5
	Star Globe .. .. .	1	..	3	1	1	..	1	1
	Globe, plain, black 30 cm .. .. .	1	..	3	1	1	..	1	1
	<i>Mathematics I and II</i>								
EDUC 206-01	Maths I for Leaving Certificate .. .. .	20	5	30	10	10	5	20	5
EDUC 206-02	Leaving Maths I .. .. .	20	5	200	10	10	5	30	5
EDUC 207-01	Leaving Maths II .. .. .	20	5	20	5	5	5	20	5
EDUC 207-02	A First Course in Mechanics .. .. .	20	5	20	5	5	5	20	5
	<i>Physics</i>								
EDUC 208-01	Physics 2nd ed (PSSC) .. .. .	10	3	200	3	3	3	10	3
EDUC 208-02	Victorian Supplement (PSSC) .. .. .	10	3	10	3	3	3	10	3
EDUC 208-03	Physics Laboratory Guide 2nd ed (PSSC) .. .. .	1	1	80	1	1	1	10	3
EDUC 208-04	Teachers Resource Book and Guide 2nd ed (PSSC-4 vols) .. .. .	1	1	6	1	1	1	1	1
	<i>Asian History</i>								
EDUC 209-01	Birth of Communist China .. .. .	5	3	12	3	3	3	5	3
EDUC 209-02	History of Modern Japan .. .. .	5	3	12	3	3	3	5	3
EDUC 209-03	The Extreme East: Modern History .. .. .	5	3	16	3	3	3	5	3
EDUC 209-04	Asia in the Modern World: (A Supplementary Text) .. .. .	2	2	3	2	2	2	5	2
EDUC 209-05	East Asia: The Great Tradition (Supplementary Text) .. .. .	2	2	6	2	2	2	5	2
	<i>Modern Mathematics I and II</i>								
EDUC 210-01	Maths for Today and Tomorrow Book I .. .. .	20	5	400	5	5	5	5	5
EDUC 211-01	Maths for Today and Tomorrow Book II .. .. .	20	5	30	5	5	5	5	5
	<i>Social Studies</i>								
	Nil .. .. .	..	..	..	..	..	..	..	..

(N178/4/17)

(Navy Order 336/74)

## Appendix A

Category	Item	Code	Description	Quantity	Unit Price	Total Price
General	1.00000	0001	General Services	1.00	1.00	1.00
	1.00000	0002	General Services	1.00	1.00	1.00
	1.00000	0003	General Services	1.00	1.00	1.00
	1.00000	0004	General Services	1.00	1.00	1.00
	1.00000	0005	General Services	1.00	1.00	1.00
	1.00000	0006	General Services	1.00	1.00	1.00
	1.00000	0007	General Services	1.00	1.00	1.00
	1.00000	0008	General Services	1.00	1.00	1.00
	1.00000	0009	General Services	1.00	1.00	1.00
	1.00000	0010	General Services	1.00	1.00	1.00
	1.00000	0011	General Services	1.00	1.00	1.00
	1.00000	0012	General Services	1.00	1.00	1.00
Special	2.00000	0013	Special Services	2.00	2.00	4.00
	2.00000	0014	Special Services	2.00	2.00	4.00
	2.00000	0015	Special Services	2.00	2.00	4.00
	2.00000	0016	Special Services	2.00	2.00	4.00
	2.00000	0017	Special Services	2.00	2.00	4.00
	2.00000	0018	Special Services	2.00	2.00	4.00
	2.00000	0019	Special Services	2.00	2.00	4.00
	2.00000	0020	Special Services	2.00	2.00	4.00
	2.00000	0021	Special Services	2.00	2.00	4.00
	2.00000	0022	Special Services	2.00	2.00	4.00
	2.00000	0023	Special Services	2.00	2.00	4.00
	Construction	3.00000	0024	Construction	3.00	3.00
3.00000		0025	Construction	3.00	3.00	9.00
3.00000		0026	Construction	3.00	3.00	9.00
3.00000		0027	Construction	3.00	3.00	9.00
3.00000		0028	Construction	3.00	3.00	9.00
3.00000		0029	Construction	3.00	3.00	9.00
3.00000		0030	Construction	3.00	3.00	9.00
3.00000		0031	Construction	3.00	3.00	9.00
3.00000		0032	Construction	3.00	3.00	9.00
3.00000		0033	Construction	3.00	3.00	9.00
3.00000		0034	Construction	3.00	3.00	9.00
Equipment		4.00000	0035	Equipment	4.00	4.00
	4.00000	0036	Equipment	4.00	4.00	16.00
	4.00000	0037	Equipment	4.00	4.00	16.00
	4.00000	0038	Equipment	4.00	4.00	16.00
	4.00000	0039	Equipment	4.00	4.00	16.00
	4.00000	0040	Equipment	4.00	4.00	16.00
	4.00000	0041	Equipment	4.00	4.00	16.00
	4.00000	0042	Equipment	4.00	4.00	16.00
	4.00000	0043	Equipment	4.00	4.00	16.00
	4.00000	0044	Equipment	4.00	4.00	16.00
	4.00000	0045	Equipment	4.00	4.00	16.00
	Miscellaneous	5.00000	0046	Miscellaneous	5.00	5.00
5.00000		0047	Miscellaneous	5.00	5.00	25.00
5.00000		0048	Miscellaneous	5.00	5.00	25.00
5.00000		0049	Miscellaneous	5.00	5.00	25.00
5.00000		0050	Miscellaneous	5.00	5.00	25.00
5.00000		0051	Miscellaneous	5.00	5.00	25.00
5.00000		0052	Miscellaneous	5.00	5.00	25.00
5.00000		0053	Miscellaneous	5.00	5.00	25.00
5.00000		0054	Miscellaneous	5.00	5.00	25.00
5.00000		0055	Miscellaneous	5.00	5.00	25.00
5.00000		0056	Miscellaneous	5.00	5.00	25.00



ANOs 254/75-258/75

HISTORIAN  
VICTORIA BARRACKS  
MELBOURNE

# AUSTRALIAN NAVY ORDERS

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Navy Office, Canberra,  
18 September 1975.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

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Section 2  
PERSONNEL

UNCLASSIFIED

254/75—The RAN College Review Board

Financial Control

1. The arrangements for the RAN College Review Board shall be such as to ensure that the Board is able to discharge its functions effectively and that the Board is able to report to the Director of Naval Education on the progress of the RAN College Review Board.

2. It is the duty of the Director of Naval Education to ensure that the Board is able to discharge its functions effectively and that the Board is able to report to the Director of Naval Education on the progress of the RAN College Review Board.

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254/75	The RAN College Review Board.
	<b>SECTION 4—EQUIPMENT, STORES AND SERVICING</b>
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258/75	Victualling Allowances and Fixed Issuing Prices for Provisions as from July 1975.

NAVY ORDERS

- Additional copies of Navy Orders may be readily obtained by:
- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
  - b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
  - c. telephoning Navy Office, Canberra 65 4718.

3. The progress of the RAN College Review Board shall be reported to the Director of Naval Education and the Board shall be able to report to the Director of Naval Education on the progress of the RAN College Review Board.

4. The RAN College Review Board shall be able to report to the Director of Naval Education on the progress of the RAN College Review Board.

5. It is the duty of the Director of Naval Education to ensure that the Board is able to discharge its functions effectively and that the Board is able to report to the Director of Naval Education on the progress of the RAN College Review Board.

6. It is the duty of the Director of Naval Education to ensure that the Board is able to discharge its functions effectively and that the Board is able to report to the Director of Naval Education on the progress of the RAN College Review Board.

7. It is the duty of the Director of Naval Education to ensure that the Board is able to discharge its functions effectively and that the Board is able to report to the Director of Naval Education on the progress of the RAN College Review Board.

**Section 2  
PERSONNEL**

UNCLASSIFIED

**254/75—The RAN College Review Board**

**Primary Function**

1. The primary function of the RAN College Review Board is to review periodically the state of progress of all junior officers under training who are posted to HMAS CRESWELL, whether such training is being undertaken at RAN College, at the University of New South Wales, or elsewhere, and to take action thereon.

2. In this regard all aspects of the progress of officers under training are to be given consideration and the title of RAN College Review Board has therefore been adopted in substitution for the former title of RAN College Study Board.

3. The composition of the Review Board is:

a. *RAN College members*

- The Commanding Officer (Chairman)
- The Director of Studies
- The Executive Officer
- The Senior Instructor officer
- Lecturers-in-charge of academic Sections
- The Training Officer

b. *Navy Office members*

- The Director General of Naval Training and Education
- The Director of Naval Education Services
- The Director of Psychological Services, Navy

The Chairman is to detail an officer of HMAS CRESWELL to act as secretary to the Review Board.

4. The progress of individual student officers is to be considered by the Review Board not less frequently than once per term in the case of cadet midshipmen in junior classes and not less frequently than once per half-year session in the case of officers undertaking tertiary studies.

5. The Review Board is to consider the marks awarded in academic and naval subjects at RAN College and is to consider results issued by other examining authorities such as the University of New South Wales, together with any recommendations made by such examining authorities. In the light of this information the Review Board is to authorise the advancement of student officers from one class to another or, where necessary, the transfer of officers from one course of study to another. Finally the Review Board is to confirm successful completion of stage 1 training.

6. In the event that transfer to an alternative course of study may necessitate a change of specialisation for a student officer, the Review Board is to recommend such change as it may consider desirable and the transfer between courses shall not be effective until the proposed change of specialisation shall have been approved.

7. In deserving cases following examination failure, and particularly when failure is deemed to have arisen through circumstances beyond the control of the officer concerned, the Review Board may recommend back-classing, or may recommend an extension of time in which to complete a course of study or training, provided that no officer under training shall be granted extensions of training time which amount in total to more than one year.

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Store Windows Station—Plans and Towers—Restrictions to be Observed when Carrying Out Maintenance

Vacating Allowance and Food Allowance for Provisions in from July 1973

8. The Review Board is also to give consideration to the development in each student officer of leadership and other desirable personal qualities and is to call for reports from RAN College or elsewhere, as appropriate, in this regard.

9. On each occasion that a Student Officer's progress is under consideration all aspects of his progress—academic studies, naval training and the development of character and leadership—are to be taken into account. Reports on Form PP122 are to be made by the Commanding Officer, HMAS CRESWELL after review by the Board.

10. In the event that a student officer's progress in any aspect of training falls below the required standard the Review Board is to direct that the officer concerned be informed of his shortcomings and be warned that further deterioration may lead to his lack of progress being reported to Navy Office with a view to the possible termination of his training.

11. In the event of further deterioration after the imposition of a formal warning, or in the event of sufficiently serious lack of progress on the occasion of its coming to the notice of the Review Board for the first time, a report is to be rendered to Navy Office on the officer concerned together with a recommendation either that the officer be given time in which to recover his position or that his training for the General List be terminated. In the latter event the Review Board may, having regard to the personal qualities of the officer concerned, include a recommendation that the officer be offered transfer to the Supplementary List as an alternative to the complete termination of training.

12. The Review Board is to give special consideration to student officers who are under warning or report and is to lift its warnings or cancel its reports at the earliest opportunity in all cases in which improved progress by the officer concerned is deemed to warrant such action.

13. An officer placed under warning or report is to be informed of his shortcomings and, if the officer is under eighteen years of age, his parents are to be informed of the substance of the warning or report by the Commanding Officer, RAN College. The cancellation of warnings and reports is to be dealt with in a similar manner. In the case of an officer aged 18 years or over, if the officer gives his consent his parents are to be informed.

14. Nothing in the foregoing paragraphs is to be construed as limiting the duty of the Commanding Officer, RAN College, of ensuring, so far as may be practicable, the continuing progress of every officer under training who is under his command. In any case of unsatisfactory progress which comes to notice at a time when it is inexpedient to lay the matter before the Review Board the Commanding Officer may, in his discretion, take action in accordance with Paragraphs 10, 11 and 13 of this order, such action being brought to the attention of the Review Board at its next meeting.

#### Other Functions

15. The Review Board is to meet annually in January to consider high school examination results or, where appropriate, high school assessments. At this meeting the Review Board may be reduced to a restricted membership.

16. In the light of results tabled for cadet midshipmen in respect of NSW Higher School Certificate examinations taken at RAN College in the previous term the Review Board is to authorise the progression of cadet midshipmen to class I at RAN College or to make recommendations for their disposal in the event of failure to reach the required standard.

17. In the light of results tabled for candidates for admission to RAN College in the senior entry the Review Board is to confirm or deny the eligibility of such candidates on academic grounds for entry to RAN College. In the case of candidates who are marginally eligible the Review Board may nevertheless recommend their rejection from the senior entry.

18. The Review Board may, at any of its meetings, consider general questions relating to the training of junior officers of the General List, may co-opt additional members for this purpose, any may make such recommendations as may lead to improvement in any aspect of training.

19. Navy Order 196/72 is hereby cancelled.

(8/1/415)

(Navy Order 196/72)

## Section 4

### EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

#### 255/75—Accounting for Provisions—Arrangement of Ledger Pages

1. Experience has disclosed that the arrangement of ledger pages for provisions in left justified sequence of catalogue numbers is causing considerable inconvenience particularly in relation to the monthly check of quantities issued against Forms SA118/SA119, Return of Numbers Victualled and Provisions Expended.

2. Accordingly, the future arrangement of provisions ledger pages is to be as follows:

- a. ledger pages are to be arranged in the order that items appear in Form SA118, Return of Numbers Victualled and Provisions Expended. Separate ledgers may be maintained for 'Dry' and 'Fresh' provisions; and
- b. a separate ledger is to be maintained for items that are not issued against a monetary allowance (eg, accountable packages, breadmaking ingredients, etc). The pages are to be arranged in left justified sequence of catalogue numbers (See ABR4 Article 1806-2) and then alphabetically by item name where a catalogue number has not been allocated.

3. ABR93, Manual of Victualling, Articles 1704 and 1705 will be amended.

(7610/3/22)

UNCLASSIFIED

#### 256/75—Radioactive Electronic Valves—Precautions, Handling and Disposal

1. Radioactive electronic valves and their associated cartons and wrappings are at present supplied with various identification markings depending upon date of manufacture, the manufacturer, and country of origin.

2. The markings are as follows:

- a. carton and/or valve or both items marked with a  $\frac{1}{4}$  inch (6 mm) orange band, the valve being wrapped in lead foil and the following words 'Warning—Radioactive Contents' printed on the carton;
- b. a sticker affixed to the carton and/or valve or both items, with the wording 'Warning—Radioactive';
- c. a warning regarding radioactivity on the packaging or carton which is usually tin-foil—but the valve itself may be unmarked;

- d. a trefoil as shown in Figure 1 (which may be of various colours on a different coloured background) affixed to either, or both valve and carton; or
- e. the carton may also be marked with the quantity and type of radio nuclide.

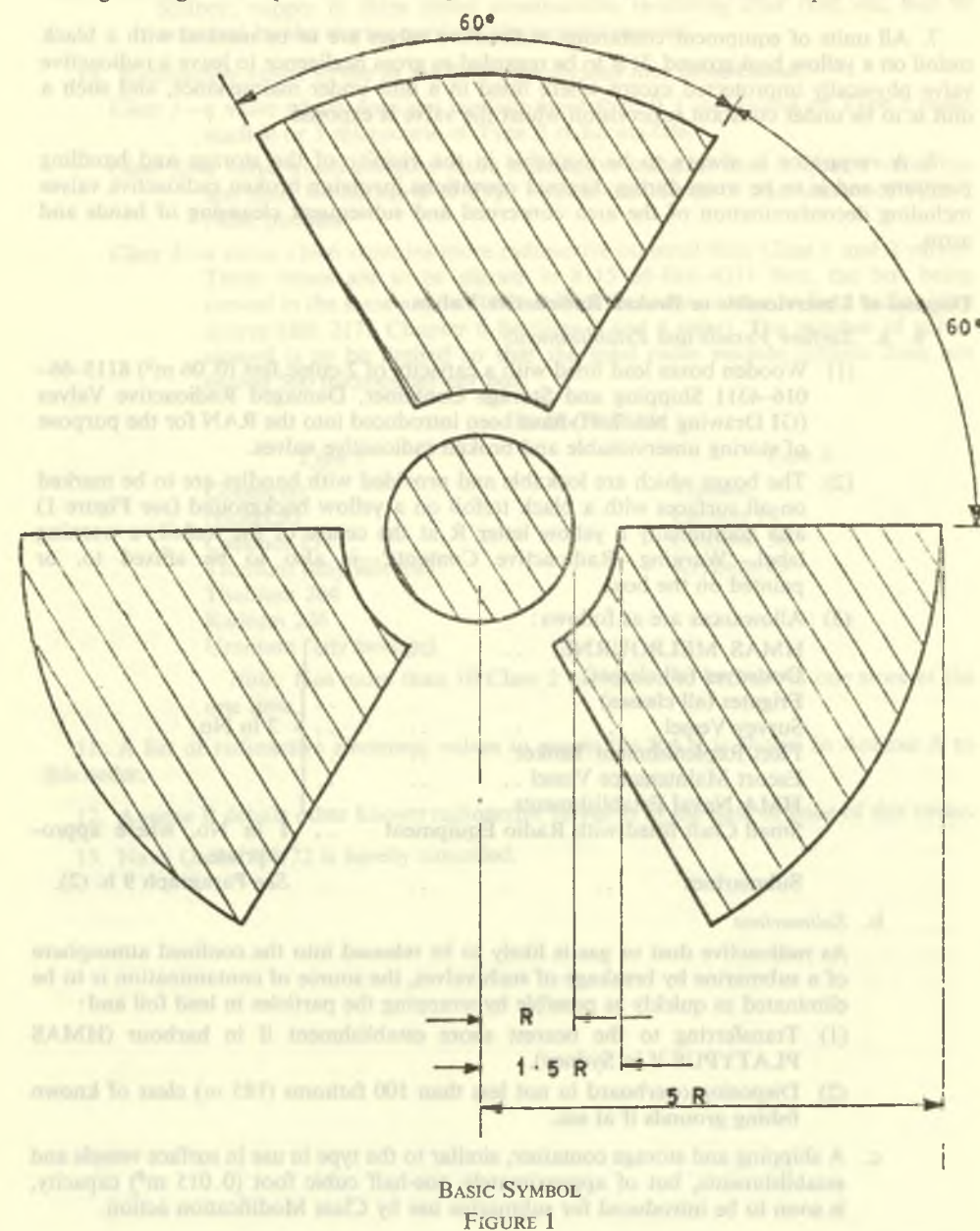
3. All radioactive electronic valves supplied are to be kept packaged until required for use, no unnecessary handling of unwrapped valves is to take place. Cartons or packages received into store, the markings of which do not comply with either Paragraphs 2 a. or 2 d. are to be marked with a black trefoil on a yellow background (*see* Figure 1). If the valves when unwrapped prior to use are found to be unmarked they are to be marked with a trefoil as above or if space is limited with a  $\frac{1}{4}$  inch (6 mm) orange band. Valves must always be stowed in their cartons and the quantity stowed will depend upon the quantity of radio nuclide in the valve (*see* Paragraph 10). They must not be piled in heaps, without cartons as the cumulative radiation could be dangerous, and there is a risk of breakages. Valves should not be inserted into or removed from equipment with bare hands because of the dangers of breakage with contamination of resulting cuts. Gloves should be worn, or a piece of cloth, paper or plastic used to grasp the valve. If valves are broken, fragments are not to be touched with bare hands and special precautions for disposal must be taken.

#### Method of Dealing with Broken Valves

4. Broken valves are particularly dangerous because of radioactive dusts or gases which may be present and which must not be inhaled, and because scratches on the skin caused by handling such broken valves may contain radioactive particles. Broken valves should be dealt with as follows:

- a. Items required are:
  - (1) protection gloves (preferably rubber) to be worn by the operator;
  - (2) pair of forceps or tweezers;
  - (3) pieces of cloth about 2 feet square ( $0.37 \text{ m}^2$ ) and a bucket of water; and
  - (4) a jar or tin or any impervious container of sufficient size and capable of being sealed.
- b. The larger fragments of the valve, together with any other small articles suspected of having become contaminated, should be transferred to the container with the forceps or tweezers, care being taken not to contaminate the outside of the container whilst this is being done. When as much as possible has been cleared in this way the forceps or tweezers should also be placed in the container.
- c. Wet one of the pieces of cloth and holding it by two adjacent corners draw it lightly over the contaminated area once. Fold the cloth in half, contaminated side inwards, and repeat. When the cloth is too small to fold further discard it into the container and repeat the process with a new cloth. On no account must heavy pressure or a scrubbing motion be employed, as this may rub some of the radioactive material into the surface being cleaned. Where the area to be cleaned does not lend itself to the method outlined above, gentle, thorough and above all repeated wiping with wet cloths, turned after each stroke, should be the method employed.
- d. When the surface is considered clean and free from even minute particles of radioactive or contaminated material, the gloves worn by the operator should be removed—the second one by rolling down over the hand, so that the other ungloved hand is not brought into contact with the contaminated outer surface of the glove and deposited in the container.
- e. The operator should now thoroughly wash hands and arms using plenty of soap and water, taking care, however, not to damage the skin. This routine must be carried out at once and until this is done the operator must avoid contaminating other objects or other parts of himself, eg, he must not smoke, eat or drink.

- f. If any slight wound is caused by valve fragments it should be allowed to bleed for a few seconds (unless it is obvious that a blood vessel has been cut) then washed out thoroughly with soap or running water. If the wound is large enough to require a dressing, a medical officer should be consulted, and the valve type noted by him on Form PM127. In the case of a severe injury involving gross contamination with radioactive valve fragments, ABR 1991 will apply.
5. All stocks of radioactive valves are to be safeguarded and placed in a separate stowage appropriately marked. Care is to be taken to ensure that the outer wrap is preserved intact during stowage as the protective foil is part of the inner surface of this wrap.



*Note:* The area shaded in Figure 1 shall be coloured black and shall be placed upon a yellow background of sufficient area for it to be distinctive.

6. Replacement of an unserviceable valve is to be effected in such a way that the serviceable valve is transferred to the unit and the unserviceable valve to the used container in one operation. The foil wrap is to be preserved as intact as possible when the container is opened so as to afford maximum protection against contamination from the unserviceable valve prior to disposal. Unserviceable and broken radioactive valves are not to be disposed of by ships and establishments. They are to be returned to the appropriate (S)SO who will arrange for disposal as detailed in ABR 4 Appendix 23.

7. All units of equipment containing radioactive valves are to be marked with a black trefoil on a yellow background. It is to be regarded as gross negligence to leave a radioactive valve physically unprotected except where fitted in a unit under maintenance, and such a unit is to be under constant supervision whilst the valve is exposed.

8. A respirator is always to be available in the vicinity of the storage and handling positions and is to be worn during disposal operations involving broken radioactive valves including decontamination of the area concerned and subsequent cleansing of hands and arms.

**Disposal of Unserviceable or Broken Radioactive Valves**

9. a. *Surface Vessels and Establishments*

(1) Wooden boxes lead lined with a capacity of 2 cubic feet (0.06 m<sup>3</sup>) 8115-66-016-4311 Shipping and Storage Container, Damaged Radioactive Valves (GI Drawing No. 7/47) have been introduced into the RAN for the purpose of storing unserviceable and broken radioactive valves.

(2) The boxes which are lockable and provided with handles are to be marked on all surfaces with a black trefoil on a yellow background (see Figure 1) and additionally a yellow letter R at the centre of the trefoil; a warning label—'Warning—Radioactive Contents'—is also to be affixed to, or painted on the box.

(3) Allowances are as follows:

HMAS MELBOURNE .. .. .	..	..	..	} 2 in No.
Destroyer (all classes) .. .. .	..	..	..	
Frigates (all classes) .. .. .	..	..	..	
Survey Vessel .. .. .	..	..	..	
Fleet Replenishment Tanker .. .. .	..	..	..	
Escort Maintenance Vessel .. .. .	..	..	..	
HMA Naval Establishments .. .. .	..	..	..	
Small Craft fitted with Radio Equipment .. .. .	..	..	1 in No. where appropriate.	
Submarines .. .. .	..	..	..	See Paragraph 9 b. (2).

b. *Submarines*

As radioactive dust or gas is likely to be released into the confined atmosphere of a submarine by breakage of such valves, the source of contamination is to be eliminated as quickly as possible by wrapping the particles in lead foil and:

- (1) Transferring to the nearest shore establishment if in harbour (HMAS PLATYPUS if in Sydney).
- (2) Disposing overboard in not less than 100 fathoms (185 m) clear of known fishing grounds if at sea.

c. A shipping and storage container, similar to the type in use in surface vessels and establishments, but of approximately one-half cubic foot (0.015 m<sup>3</sup>) capacity, is soon to be introduced for submarine use by Class Modification action.

d. Unserviceable and broken radioactive valves should be wrapped in lead foil of 0.010 inch (0.254 mm) thickness prior to being placed in a jar or tin or any kind of impervious container of sufficient size capable of being sealed. Initial quantities of 100 square feet (9 m<sup>2</sup>) of lead foil should be demanded by services not already holding stocks.

e. Demands to comply with the above allowances should be forwarded to SLSO, Sydney; supply to ships under construction, re-storing after refit, etc, will be arranged by the storing yards in the normal manner.

10. Radioactive valves in use in the RAN are divided into three classes:

*Class 1*—a valve which does not contain more than 0.1 microcurie of Type 1 radio nuclide or 1 microcurie of Type 2 radio nuclide.

*Class 2*—a valve which contains more radioactive material than a Class 1 valve but less than 1 microcurie of Type 1 radio nuclide or 10 microcuries of Type 2 radio nuclide.

*Class 3*—a valve which contains more radioactive material than Class 1 and 2 valves. These valves are to be placed in 8115-66-016-4311 Box, the box being stowed in the same area and handled in the same manner as for a radioactive source (BR 2171 Chapter 6 Sections 3 and 4 refer). The number of valves stowed is to be limited so that the total radio nuclide content does not exceed 500 microcuries per box.

Radio Nuclides	
<i>Type 1</i>	<i>Type 2</i>
Cobalt 60	Tritium
Nickel 63	Carbon 14
Caesium 137	Chlorine 36
Thorium (any isotope)	Krypton 85
Thallium 204	
Radium 226	
Uranium (any isotope)	

*Note:* Not more than 10 Class 2 valves are to be kept in one store at the one time.

11. A list of radioactive electronic valves in use in the RAN is shown in Annexe A to this order.

12. Annexe B details other known radioactive valves as at the date of issue of this order.

13. Navy Order 208/72 is hereby cancelled.



## ANNEXE A

## Radioactive Electronic Valves in use in the RAN

Stock No/ Part No	CV No	American Type	Isotope	Isotope Quantity Per Value in Microcuries
5960-99-000-0188	CV188	—	U <sub>3</sub> O <sub>8</sub> ..	1.0 approx
5960-99-000-0284	CV284	—	U <sub>3</sub> O <sub>8</sub> ..	1.0 approx
5960-99-000-0539	CV539	IB23 ..	Co60 ..	0.5 to 1.0
5960-00-193-5092	CV713	IB27, IB28 ..	Co60 ..	0.15
5960-00-188-3533	CV725	IB24 ..	Ra226 ..	2.0
5960-00-193-5088	CV761	IB22 ..	Co60 ..	0.25
5960-99-000-1070	CV1070	—	U <sub>3</sub> O <sub>8</sub> ..	1.0 approx
5960-99-000-1110	CV1110	—	—	—
5960-99-000-1832	CV1832	OA2 ..	Co60 ..	0.0067
5960-00-300-1145				
5960-00-503-4880	CV2225	—	U <sub>3</sub> O <sub>8</sub> ..	1.0 approx
5960-99-000-2225	CV2236	—	U <sub>3</sub> O <sub>8</sub> ..	1.0 approx
5960-99-000-2236	CV2271	—	U <sub>3</sub> O <sub>8</sub> ..	1.0 approx
5960-99-000-2271	CV2325	—	U <sub>3</sub> O <sub>8</sub> ..	1.0 approx
5960-99-000-2325	CV2434	—	U <sub>3</sub> O <sub>8</sub> ..	1.0 approx
5960-99-000-2434	CV2914	IB40 ..	Co60 ..	0.2
5960-00-237-2414	CV3595	721A, 721B ..	—	—
5960-99-000-3595	—	5783WA ..	Co60 ..	0.0067
5960-00-284-6544				
5960-00-284-7166	CV3960	—	—	—
5960-99-000-3960	CV4020	OA2WA ..	N163 ..	0.01 to 0.05
5960-99-000-4020	CV4028	OB2WA ..	Co60 ..	0.0067
5960-99-000-4028			Co60 ..	0.01 to 0.05
5960-99-000-4048	CV4048	—	U <sub>3</sub> O <sub>8</sub> ..	1.0 approx
5960-99-000-4054	CV4054	—	U <sub>3</sub> O <sub>8</sub> ..	1.0 approx
5960-99-000-4066	CV4066	—	U <sub>3</sub> O <sub>8</sub> ..	1.0 approx
5960-99-000-4080	CV4080	—	U <sub>3</sub> O <sub>8</sub> ..	1.0 approx
5960-00-272-8545	CV5113	5787WA ..	—	—
5960-99-000-5173	CV5173	—	U <sub>3</sub> O <sub>8</sub> ..	1.0 approx
5960-00-262-0286	CV5186	5651WA ..	U <sub>3</sub> O <sub>8</sub> ..	1.0 approx
5960-00-834-7136				
5960-00-272-9199	—	6213 ..	—	—
0621-L48762	—	Valve Voltage Regulator Type 17-14	—	—

## ANNEXE B

## Other Known Radioactive Valves

Stock No/ Part No	CV No	American Type	Isotope	Isotope Quantity Per Value in Microcuries
5960-99-000-0100	CV100	—	—	—
0621-000-0369	CV369	IB35 ..	—	—
5960-99-000-0449	CV449	—	U <sub>3</sub> O <sub>8</sub> ..	1.0 approx
5960-99-000-0461	CV461	—	—	—
0621-000-0463	CV463	—	—	—
0621-000-0508	CV508	IB49 ..	Ra226 ..	2.0
—	CV508	IB23 ..	Co60 ..	0.15
—	—	IB50 to IB53 ..	—	—
5960-00-230-5291	CV3878	IB55 to IB56 ..	—	—
—	—	333A, 346B, 363A, 359B, 372A, 376B, 395A, 405A, 413A, 423A	—	—
5960-99-000-0287	CV287	—	—	—
5960-00-237-2414	CV577	IB36, IB37, IB40 to IB42, IB44 to IB45	Co60 ..	0.25
5960-99-000-1833	CV1833	OB2 ..	—	0.0067
5960-99-000-2250	CV2250	—	Ra Br ..	4.0 approx
5960-99-000-2252	CV2252	—	Ra Br ..	4.0 approx
5960-99-000-2482	CV2482	—	H <sub>3</sub> ..	21.0 approx
5960-00-167-0389	CV2573	5651 ..	Co60 ..	0.0067
5960-00-617-8685				
5960-00-509-3171	CV2615	313C, 313CA, 313CB, 313CC, 313CD, 5863, 5864, 5883, 5921, 5922	Ra226 ..	0.01
5960-00-261-8671				
5960-00-188-3534	CV2468	IB32 ..	—	—
5960-00-846-4609				
5960-00-188-3534	—	5790, 5791, 5792, 5793, 5853, IB57, IB58, IB60, IB62, IB63, IB63A	—	—
5960-21-846-4609				
0621-000-2652	CV2652	709A ..	—	—
0621-000-2656	CV2656	724A ..	—	—
0621-000-2826	CV2826	IB63A ..	Co60 ..	0.15
—	CV2826	IB63A ..	Co60 ..	0.5
—	CV2826	IB63A ..	Co60 ..	1.0
0621-000-3539	CV3539	6024/ATR387 ..	Co60 ..	0.45
0621-000-3548	CV3548	IB24A ..	Co60 ..	0.15
—	CV3548	IB24A ..	Co60 ..	0.5
—	CV3548	IB24A ..	Co60 ..	1.0
0621-000-3549	CV3549	IB38 ..	Co60 ..	0.9
0621-000-3550	CV3550	IB41 ..	Co60 ..	0.25
—	CV3550	IB41 ..	Ra226 ..	2.0
0621-000-3628	CV3628	IB35A ..	Co60 ..	0.4
—	CV3628	IB35A ..	Co60 ..	1.0
0621-000-3705	CV3705	5791 ..	—	—

## ANNEXE B—continued

Stock No/ Part No	CV No	American Type	Isotope	Isotope Quantity Per Value in Microcuries
—	CV3705	5791/X6007 .. ..	Co60 ..	1.0
0621-000-3725	CV3725	446 .. ..	Co14 ..	1.0
0621-000-3728	CV3728	— .. ..	— ..	—
0621-000-3745	CV3745	IB58 .. ..	— ..	—
—	—	GL-IB58 .. ..	Co60 ..	0.475
0621-000-3877	CV3877	IB56 .. ..	Co60 ..	0.45
0621-000-3897	CV3897	5787 .. ..	Co60 ..	0.0067
0621-000-3906	CV3906	6117 .. ..	Co60 ..	0.45
—	CV3906	6117 .. ..	Co60 ..	0.5
—	CV3906	6117 .. ..	Co60 ..	1.0
0621-000-3933	CV3933	5783 .. ..	Co60 ..	0.0067
0621-000-4516	CV4516	— .. ..	H <sub>3</sub> ..	1.0 approx
—	CV4516	— .. ..	H <sub>3</sub> ..	0.030 approx
0621-000-5062	CV5062	5841 .. ..	— ..	—
0621-000-5083	CV5083	— .. ..	U <sub>3</sub> O <sub>8</sub> ..	1.0 approx
0621-000-5229	CV5229	— .. ..	H <sub>3</sub> ..	55.0 approx
0621-000-5312	CV5312	— .. ..	H <sub>3</sub> ..	40.0 approx
0621-000-5384	CV5384	— .. ..	H <sub>3</sub> ..	3.5 approx
0621-000-6028	CV6028	— .. ..	H <sub>3</sub> ..	10.5 approx
—	—	707B .. ..	— ..	—
0621-000-4046	CV4046	— .. ..	— ..	—
TN-999-2966	—	56WA .. ..	— ..	—
PN-SAL-219	—	— .. ..	— ..	—
—	—	CVX461 .. ..	— ..	—
—	—	CVX463 .. ..	— ..	—
—	—	VS70 .. ..	— ..	—
—	—	V19-24 .. ..	— ..	—
—	—	M8098 .. ..	— ..	—
—	—	OS70/20 .. ..	— ..	—
—	—	VX1513 .. ..	— ..	—
—	—	24L/205 .. ..	— ..	—
—	—	24L/285 .. ..	— ..	—
—	—	24L/299 .. ..	— ..	—
5960-99-000-0026	—	10CV26 .. ..	— ..	—
—	—	BT17 .. ..	— ..	—
—	—	10CV2425 .. ..	— ..	—
5960-00-557-6885	—	— .. ..	— ..	—
5960-00-166-7648	—	OB2 .. ..	— ..	—
PN-405260-1	—	— .. ..	— ..	—
237-2413	—	CCR68 .. ..	— ..	—
5960-00-503-4880	—	— .. ..	— ..	—
0621-000-5173	CV5173	— .. ..	— ..	—
—	CV5066	— .. ..	— ..	—
5960-00-971-1483	—	5651A .. ..	— ..	—
5960-00-114-3843	CV813	— .. ..	— ..	—
—	—	MV14 .. ..	— ..	—

(519/54/132)

(Navy Order 208/72)

## UNCLASSIFIED

**257/75—Shore Wireless Stations—Masts and Towers—Restrictions to be Observed When Carrying out Maintenance**

1. The following instructions are to be observed by personnel carrying out maintenance duties on masts and towers at RAN shore wireless transmitting stations. These precautions cover hazards likely to be caused by the presence of radio frequency power in the aerial system; they are additional to, and not a substitute for, any regulations normally observed when working at a high level concerning wind speed, low cloud, proximity of thunderstorms, the use of safety belts, etc.

2. Masts and towers supporting aerial systems associated with high power low frequency transmitters:

- masts and towers must not be climbed without the written permission of the Officer-in-Charge of the wireless station;
- all work requiring the use of temporary stays, bosuns chair, jury rig halyards or other wires not part of the permanent structure may be undertaken only with radio frequency power to the associated aerial system switched off and the aerial system earthed. Typical of this type of work is replacement, maintenance and greasing of stays and halyards and the inspection of stay insulators;
- painting of mast and tower structures may not be undertaken without switching off radio frequency power;
- obstruction lighting system maintenance, lamp replacement and inspection may be undertaken only when radio frequency power is switched off and the associated aerial system is earthed; and
- a warning notice is to be placed in a prominent position at the base of each mast station:

**'MASTS MUST NOT BE CLIMBED WITHOUT PERMISSION OF THE OFFICER-IN-CHARGE.'**

Navy Order 257/75

3. Masts and towers supporting high frequency aerial systems associated with high frequency transmitters exceeding 50 watts:

- masts and towers must not be climbed without the written permission of the Officer-in-Charge of the Wireless Station;
- all work requiring the use of temporary stays, bosuns chair, halyards or other wire not part of the permanent structure may be undertaken only with radio frequency power switched off and the aerial system earthed;
- painting of mast and tower structures may be carried out without switching off the radio frequency power to the associated aerial system, except when access for painting involves the use of temporary halyards for painters platforms and the like, when Paragraph 3 b. above applies; and
- maintenance of obstruction light fittings, lamp replacement and inspection may be undertaken without restriction except when temporary halyards are necessary for access, when Paragraph 3 b. above applies.

4. A glass fronted key-box is to be provided at each transmitter station, suitably marked for aerial interlock keys for aerials being worked upon. Before permission is given to work on a mast or tower for which the nature of the work requires the radio frequency power to be switched off, the appropriate aerial interlock keys (which must be in position in the aerial exchange to enable the EHT to be switched on) are to be removed and deposited in the key-box. The key-box is then to be locked and its key held by the Senior Hand of the Watch all the time the work is being carried out on the masts or towers.

5. The Officer-in-Charge of the wireless station is to ensure that all personnel are clear of the mast or tower and all temporary rigging of any kind removed or made secure before authorising re-connection of radio frequency power to the associated aerial system.

6. Station Standing Orders are to include a notice to all station staff that masts are not to be climbed other than as authorised by the Officer-in-Charge, and drawing attention to this order.

7. It should be noted that masts supporting aerial systems listed below do not constitute a hazard:

- a. reception in any frequency band;
- b. those associated with V/UHF transmitters whose power output does not exceed 50 watts; and
- c. any other transmitters whose output does not exceed 50 watts.

8. The restrictions outlined in Paragraphs 2 and 3 above, and the relaxations outlined, in Paragraph 6 apply only to aerial systems which have been approved. Aerials which have been attached to masts or towers by other authorities must be removed whilst maintenance is being carried out.

(1424/1/11)

## UNCLASSIFIED

### 258/75—Victualling Allowances and Fixed Issuing Prices for Provisions as From 1 July 1975

1. The price list for fresh fruit and vegetables which has operated since 1 April 1975 has been amended from 1 July 1975.

2. The revised price lists have been distributed to all HMA ships and establishments.

3. Consequent upon the revision of these prices, the following rates of Victualling Allowance will apply as from 1 July 1975:

	<i>Ashore</i>	<i>Afloat</i>
	\$	\$
Messes of 50 or less victualled from a separate galley .. .. .	1.10	1.13
All other messes of 300 or less messed separately .. .. .	1.08	1.11
Messes of more than 300 .. .. .	1.06	1.09
Additional for ships and submarines deployed with ANZUK Force .. .. .	—	0.04
Supplementary allowance for 'Modified Cafeteria' messing in HMAS DIAMANTINA .. .. .	—	0.01
HMAS COONAWARRA .. .. .	1.12	—
Cadet Midshipmen at RANC .. .. .	..	..
Junior Recruits at Training Establishments .. .. .	..	..
Apprentices at RANATE .. .. .	..	..
Naval Reserve Cadets attending Camps and Courses .. .. .	..	..
	} 1.18	*

\* The allowance of \$1.18 per day for Cadet Midshipmen, Junior Recruits, Apprentices and Naval Reserve Cadets, is increased to \$1.21 per day when victualled on board ships undergoing training and when messed separately.

4. Navy Order 187/75 is hereby cancelled.

(901/66/22)

(Navy Order 187/75)

**RESTRICTED**

ANOs 259/75-263/75



HISTORIAN  
VICTORIA BARRACKS  
MELBOURNE

# AUSTRALIAN NAVY ORDERS

SECTION 1—ADMINISTRATIVE AND GENERAL  
228/75 Appointments of Officers as Commandants for Detachments  
230/75 Submission of Data by Supply Officers

SECTION 2—OPERATIONAL  
231/75 Submarine Force Training—Priority

Navy Office, Canberra,  
19 September 1975.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

**RESTRICTED**

Additional copies of Navy Orders may be readily obtained by:

- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 4718.

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

259/75—Appointment of Officers as Commissioners for Declarations

1. Regs and instructions have to be put in force to appoint officers who are not already appointed as Commissioners for Declarations and who are not already appointed as Commissioners for Declarations and who are not already appointed as Commissioners for Declarations.

2. In the case of officers who are not already appointed as Commissioners for Declarations and who are not already appointed as Commissioners for Declarations and who are not already appointed as Commissioners for Declarations.

CONTENTS

No Title

SECTION 1—ADMINISTRATIVE AND GENERAL

259/75 Appointment of Officers as Commissioners for Declarations.

260/75 Sub-advances of Cash by Supply Officers.

SECTION 3—OPERATIONAL AND TRAINING

261/75 Submarine Escape Training—Policy.

SECTION 4—EQUIPMENT, STORES AND SERVICING

262/75 Accounting for Stores in HMA Ships and Commissioned Establishments.

263/75 Napkins, Table, Paper—Introduction of Revised Pattern and Extension of Issues.

ANNEX A

Commissioners for Declarations

Commander W. T. FIS  
Captain L. M. CRAWFORD  
Commander R. J. WELLS  
Commander G. BEYS  
Lieutenant D. J. CAMPBELL  
Lieutenant-Commander T. C. SIMON  
Lieutenant-Commander T. D. ROWLING  
Commander J. S. MURPHY  
Major-Commander P. C. WATSON

## Section 1

## ADMINISTRATIVE AND GENERAL

## UNCLASSIFIED

**259/75—Appointment of Officers as Commissioners for Declarations**

1. Ships and establishments have in the past experienced difficulties where persons suitably qualified as Commissioners for Declarations were not available in connection with the signing of statutory declarations. Such declarations are required of members in many claims for allowances or reimbursement of expenses.

2. In the case of ships or other commands outside Australia, the Defence Force Regulations authorise any officer of or above the rank of Lieutenant to administer oaths, take affidavits and attest the execution of documents (*see* RI 1926.5).

3. To overcome the inconvenience caused by not having an officer available to administer oaths, attest the execution of documents, etc, inside Australian waters and in certain commissioned establishments, some Supply Officers having Supply Charge postings have been appointed Commissioners for Declarations and will in future be available to have made before them declarations required to be made by a law of the Australian Government or of a Territory of the Australian Government or allowed to be made under the provisions of the Commonwealth Statutory Declarations Act.

4. Those commissions mentioned in Paragraph 3 are issued by name only and need not be surrendered to Navy Office when the appointee vacates the post by virtue of which he was selected for appointment. Commissions issued in the name of the officer and by virtue of the naval or civil appointment held, must be surrendered to Navy Office immediately the officer vacates the appointment. RI Article 1926 is relevant.

5. Officers already appointed as Commissioners will have received their commissions. Periodic applications will be made to the Attorney-General for additional appointments.

6. A list of officers appointed by name only and those appointed by virtue of the naval or civil appointment held will be incorporated in the Navy List. Officers appointed by name only will also have their appointment recorded in their Service Record, Form PH13, in the area headed Honorary Distinctions.

7. Regulations and Instructions for the RAN, ABR 5016 Appendix 19B, will be cancelled and Article 1926 (4) will be amended in due course.

## ANNEXE A

## Commissioners for Declarations

Commander W. T. FOX  
 Captain I. McL. CRAWFORD  
 Commander B. J. WRIGGLES  
 Commander G. HEYS  
 Lieutenant D. J. CAMPBELL  
 Lieutenant Commander J. C. SIMPSON  
 Lieutenant Commander T. D. ROWLING  
 Commander J. S. MERRILLEES  
 Acting Commander P. C. WATSON

## CONTENTS

The

No

## SECTION I—ADMINISTRATIVE AND GENERAL

259/75 Appointment of Officers as Commissioners for Declarations

260/75 Sub-division of Cost by Supply Officer

## SECTION 3—OPERATIONAL AND TRAINING

261/75 Submarine Escape Training—Policy

## SECTION 4—JOB IMPMENT, STORES AND SERVICES

262/75 Accounting for Stores in HMA Ships and Commissioned Establishments

263/75 Napier Table—Introduction of Revised Tables and Extension of Dates

Dates

## ANNEXE A—continued

Commander J. C. DRINKWATER  
 Commander D. M. COULSON  
 Lieutenant P. WILLIAMS  
 Lieutenant Commander G. L. SHERIDAN  
 Lieutenant G. J. DARCY  
 Lieutenant G. R. BAIRNSFATHER  
 Lieutenant K. J. PERRY  
 Lieutenant G. R. COLE  
 Lieutenant J. S. HILL  
 Lieutenant Commander I. LEE-CONWAY  
 Lieutenant Commander R. R. CREIGHTON  
 Lieutenant Commander D. V. NORTON  
 Lieutenant Commander R. H. BEAUCHAMP  
 Commander W. L. TAYLOR  
 Acting Commander B. J. HARON  
 Lieutenant D. A. SMITH  
 Lieutenant Commander H. O. BEUTEL  
 Lieutenant Commander C. F. ALLEN  
 Lieutenant D. G. F. TAYLOR  
 Lieutenant Commander B. D. WANSBURY  
 Commander J. M. BOWMAN  
 Lieutenant Commander R. J. LETTS  
 Commander J. B. MATHEWS  
 Lieutenant M. F. HORNE  
 Lieutenant Commander G. F. LYNCH  
 Commander R. G. HEFFERNAN  
 Lieutenant Commander R. R. LAING  
 Lieutenant Commander P. A. NEWCOMB  
 Commander J. SHILLINGFORD  
 Lieutenant R. N. MILLER  
 Commander H. J. P. ADAMS  
 Lieutenant R. S. WRIGHT  
 Lieutenant R. F. WILLIAMS  
 Lieutenant R. A. POWER

(153/1/4)

UNCLASSIFIED

**260/75—Sub Advances of Cash by Supply Officers**

1. Instructions promulgated in NAM Article 106 concerning Senior Writer sailors authorised to act as sub-accountants and sub-advances of cash by Supply Officers have been reviewed. Main amendments to existing instructions are:

- a. Monetary limits of advances to CPO Writers and PO Writers authorised to act as sub-accountants have been increased. Maximum amount of advance is increased from \$1,000 to \$5,000, but with retention of condition that amount is limited to estimated requirements for one week;
- b. amount of voucher payments is increased from \$100 to \$250; and
- c. requirement has been introduced for recording reimbursements to sub-accountants.

Revised Article 106, which is to be implemented forthwith, is shown below as Annexe A.

## ANNEXE A

**\*106. SUB-ADVANCES OF CASH BY SUPPLY OFFICERS.**

(1) To facilitate the payment of certified accounts and authorised amounts of pay and allowances, the Supply Officer may pass accounts for advances of cash to sub-accountants as authorised in this instruction subject to conditions as stated.

(2) The Supply Officer may authorise any officer or a Warrant Officer Writer to act as a sub-accountant. Subject to the approval of the Commanding Officer, the Supply Officer may authorise a Chief Petty Officer Writer or Petty Officer Writer to act as a sub-accountant except that authorisation to a Petty Officer Writer may be made only in ships in which a Petty Officer Writer is the senior Writer borne and an officer of the Supply Branch or a Warrant Officer Writer is not available or acting as Supply Officer (Cash).

(3) In respect of advances made to Officers and Warrant Officer Writers as sub-accountants:

- (a) the amount of the advance is to be limited to estimated requirements for one week;
- (b) payment may be made of travelling expense claims and other voucher payments or for authorised pay and allowances subject only to the requirements of instructions at Article 189.

(4) In respect of advances made to Chief Petty Officer Writers and Petty Officer Writers as sub-accountants:

- (a) the amount of the advance is to be limited to estimated requirements for one week, but in any case shall not exceed \$5,000 at any one time;
- (b) payment may be made of travelling expense claims and other voucher payments (*see* Article 189) not exceeding \$250 in any one case and casual payments to officers and sailors of pay and allowances not exceeding the amount of entitlement under Regulations and Instructions.

(5) In respect of advances made to any person as a sub-accountant:

- (a) Forms FN104 for casual payments of pay and allowances are to be prepared by a member other than the sub-accountant who makes the payment;
- (b) claims for travelling expenses and other voucher payments are to be certified in accordance with Article 187 prior to payment;
- (c) the amount of an advance shall not be entered as a credit in the cash account but the voucher shall be kept in the money chest and the actual expenditure brought to account from the paid vouchers required to be produced by the sub-accountant to whom the advance was made (*see* paragraph 6. for procedure to be followed for reimbursement);
- (d) details of each unadjusted advance made to sub-accountants shall be shown on Form FA122 Cash Balance on the occasion of each verification of public money (*see* also Article 130);
- (e) amounts of standing advances shall be checked by the Supply Officer or Supply Officer (Cash) if one is borne, at least once a week and when reimbursing the sub-accountant with the amount expended therefrom;

## ANNEXE A—continued

- (f) when a sub-accountant is superseded the advance shall be adjusted before he is relieved. If adjustment is made by transfer to a successor, a certificate of transfer showing amounts of cash and paid vouchers transferred shall be prepared and after signature by both persons shall be retained by the Supply Officer;
- (g) all persons authorised to act as sub-accountants are to be provided with money chests or other suitable safes for their sole use in safe custody of money in their charge.
- (6) In respect of reimbursements made to any person as a sub-accountant:
- reimbursements are to be made on Form FA119;
  - registration numbers and amounts of vouchers covered are to be shown with total amount in the body of Form FA119, with lines drawn in the spaces provided on the account form for totals and endorsement made that no amount to be entered in Cash Account;
  - after registration of Form FA119 and examination of individual vouchers for which reimbursement sought, certificate of Supply Officer/Person Incurring Expense to be completed by Supply Officer/Supply Officer (Cash). No other certification is required;
  - receipt is to be obtained on Form FA119 at the time of payment and certificate is to be furnished by Supply Officer/Supply Officer (Cash) on or as attachment to the form of his examination and verification of correctness of the balance of the advance held by the sub-accountant;
  - actual vouchers on which disbursements are made are to be brought to account in the Cash Account and the record of reimbursement voucher is to be allocated consecutive number and entered in Cash Account but with 'NO CHARGE' endorsement in amount column.
- (7) A Chief Petty Officer Writer or Petty Officer Writer is not authorised to receive cash from officers or sailors nor to conduct savings bank business."

2. Copies of the Navy Accounts Manual are to be noted with reference to Navy Order pending issue of amendment sheets.

(201/51/9)

## Section 3

## OPERATIONAL AND TRAINING

## RESTRICTED

## 261/75—Submarine Escape Training—Policy

1. Overall policy for Submarine Escape Training (SET) is to be generally in accordance with BR 241, Chapter 8. This order amplifies and amends the qualification and requalification policy set out in BR 241 to clarify the implementation of this policy in the RAN.

## Qualification of Naval Personnel

2. All officers and sailors undergoing Submarine Training Parts 1 at HMS DOLPHIN (UK) are required to qualify 'wet' in the SET Tank. No officer or sailor is to be awarded the Submarine badge and the EDP rank suffix SM, unless he has passed the SET Qualification Course at HMS DOLPHIN.

## Requalification and Refresher Training of Naval Personnel

3. SM-qualified personnel are required to undertake requalification and refresher training as follows:

- All SM-qualified personnel aged 35 years or less, serving in an HMA submarine or in HMAS PLATYPUS and have an expectation of at least two years further service in the Submarine Squadron or have received advance notification of an intended posting to one of HMA submarines are required to undertake 'wet' requalification in the submarine escape tank at HMS DOLPHIN three years after initial qualification and subsequently at six yearly intervals.
- All SM-qualified personnel serving in one of HMA submarines or in HMAS PLATYPUS are required to undertake 'dry' Submarine Escape Training at HMAS PLATYPUS at six monthly intervals.
- All SM-qualified officers and sailors serving in postings other than one of HMA submarines or HMAS PLATYPUS, but with an occasional liability to proceed to sea in submarines in the course of their duties, are required to undertake the Submarine Escape Training Refresher Course at HMAS PLATYPUS at three-yearly intervals.

4. The nomination of SM-qualified naval personnel for requalification and refresher training will be carried out as follows:

- By *Department of Defence (Navy Office)*:
  - Personnel for requalification in SET at HMS DOLPHIN, UK;
  - Personnel, other than those serving in HMAS PLATYPUS or one of HMA submarines, for refresher training at HMAS PLATYPUS.
- By *the Submarine Squadron Commander*:
 

Personnel serving in HMAS PLATYPUS or one of HMA submarines for refresher training at HMAS PLATYPUS.

5. SET requalification and refresher training of naval personnel is to be reported by normal EDP procedures as follows:

	Course	EDP Number
a.	SET Requalification Course at HMS DOLPHIN (UK) ..	903320
b.	SET Refresher Course at HMAS PLATYPUS ..	903330

## Qualification and Refresher Training of Civilian Personnel

6. Civilian officers of the Department of Defence (Navy Office) who are required to proceed to sea in submarines in the course of their duties are eligible to be nominated by Department of Defence (Navy Office) for SET as follows:

- SET Qualification Course at HMS DOLPHIN (UK) when in UK for other duty;
- SET Refresher Course at HMAS PLATYPUS at three-yearly intervals, whether or not the SET Qualification Course at HMS DOLPHIN has been undertaken.

## Medical Documentation

7. Medical records of all personnel undergoing 'wet' training are to be forwarded to the Commanding Officer HMS DOLPHIN prior to the commencement of training. In addition to annual medical records the following information is required:

- Large plate full inspiratory and full expiratory chest X-rays taken within three months of commencement of training.



b. Evidence of Forced Expiratory Volume in 1 second (FEV 1)/Forced Vital Capacity (FVC) Ratio of 75 per cent or better.

8. Navy Order 383/72 is hereby cancelled.

(311/201/28)

(Navy Order 383/72)

**Section 4**

**EQUIPMENT, STORES AND SERVICING**

UNCLASSIFIED

**262/75—Accounting for Stores in HMA Ships and Commissioned Establishments**

**Means of Measuring Supply Effectiveness**

1. In order that Supply Management personnel in all echelons of supply can determine the effectiveness of onboard support, as a result of internal inventory management procedures and inventory management policies, supply effectiveness reports are required to be raised at the end of each month and forwarded to the Administrative Authorities, with a copy to the Director of Fleet Supply Requirements, by all self-accounting ships and commissioned establishments.

2. In keeping with the endurance policies contained in ABR 4 and ABR 93, the following effectiveness goals are desired:

Activity	Type of Demand	Point of Entry Effectiveness	Net Effectiveness
(1) Ship .. .. .	Equipment related	90%	90%
(2) Ship .. .. .	Non-equipment related	80%	90%
(3) Commissioned Establishments	All .. .. .	80%	90%

Activities that repeatedly are unable to meet the desired goals will be requested to submit a supplemental Supply Effectiveness Analysis Report in the format shown in Annexe A.

3. For the purpose of this report the following terms are defined:

- a. Supply Effectiveness .. The ability of the Supply Department to immediately satisfy a requirement for at least one or the minimum replacement unit (MRU) of a line item on demand.

b. Point of Entry Effectiveness The number of line items issued divided by the total number of requests received expressed as a percentage.

c. Net Effectiveness .. The number of line items issued divided by the total number of requests for stocked items expressed as a percentage.

4. Data elements are to be obtained in the following manner:

a. Total Requests .. .. From Forms SX100-1 and SX100-2, SA207, SX128 and SO115 by tallying the line items requested.

b. Total Requests Satisfied from Stock From Forms SX100-1 and SX100-2, SX128 and SA207 by tallying the issues effected.

c. Total Requests for Stocked Items From Forms SX100-1 and SX100-2, SA207, SX128 and SO115.

d. Items Nil Stocked and Not Carried By subtracting the total requests satisfied from stock from total requests received.

e. Items Not Carried .. By subtracting the number of items nil stocked from the number of items nil stocked and not carried.

5. Point of Entry Effectiveness is calculated by dividing total requests satisfied from stock by total requests multiplied by 100 and expressed as a percentage.

6. Net Effectiveness is calculated by dividing total requests satisfied from stock by total requests for stock items multiplied by 100 and expressed as a percentage.

7. For example, assume that the following data was obtained:

- a. Total Requests .. .. . 2,698
- b. Total Requests Satisfied from Stock .. .. . 2,362
- c. Items Nil Stocked and Not Carried (a-b) .. .. . 336
- d. Total Requests for Stocked Items .. .. . 2,557
- e. Items Nil Stocked (d-b) .. .. . 195
- f. Items Not Carried (c-e) .. .. . 141

Supply Effectiveness is then calculated as follows:

$$\begin{aligned} \text{Point of Entry Effectiveness} &= \frac{2,362}{2,698} \times \frac{100}{1} \\ &= 87.5 \text{ per cent} \\ \text{Nil Effectiveness} &= \frac{2,362}{2,557} \times \frac{100}{1} \\ &= 92.4 \text{ per cent} \end{aligned}$$

Data may be obtained from the various forms referred to in Paragraph 4 at the time of the review; however, where warranted by the volume of transactions, Supply Officers, at their discretion may introduce Local Tally Forms in the format shown hereunder. Requests for items of stationery and forms, for stores not held in the custody of the Supply Officer and departmental requirements of consumable stores for specific purposes are excluded.

**Tally of Total Demands Received**

Month.....

Issues from Stock	Nil Stocked Demands	Not Carried Demands

8. This Navy Order will be incorporated in ABR 4 in a new Chapter on Management Review Systems.

**ANNEXE A**

**Supply Effectiveness Analysis Report**

ACTIVITY HMAS..... Month ending.....

A. Total requests for Nil Stocked items:.....

- (1) Number of Nil Stocked which are SIM items:.....
- (2) Number of Nil Stocked SIM items with material on order:.....
- (3) Number of Nil Stocked, non-SIM items with material on order:.....
- (4) List all items Nil Stocked, with multiple requests during the month. If not applicable list 10 Nil Stocked items at random.

Catalogue No.	Dates of Requests	Quantity Requested	Date Demands Raised	Allowance, or if SIM, HL, LL, SL	Number of Issues for Previous 12 Months	Total Usage for Past 12 Months
1.						
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						

**ANNEXE A—continued**

B. Total requests for Not Carried items:.....

- (1) List any Not Carried items requested twice in the last 6 months (from historical demand file). If not applicable, randomly select 10 Not Carried items that are Equipment Related.

Catalogue Number	Quantity Requested	Date Requested	Equipment/ Application
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

(N189/18/4)

**UNCLASSIFIED**

**263/75—Napkins, Table, Paper—Introduction of Revised Pattern and Extension of Issues**

1. A revised pattern paper table napkin has been introduced as detailed hereunder:

Class	Catalogue Number	Description	Unit of Issue	Acctg Class
8540	66-014-8579	NAPKIN, TABLE, PAPER .. ..	MX	N

2. The napkins, which are packed in cartons of one thousand, will be available on demand from the SVSO, Sydney.

3. The restriction placed on the issue of the superseded napkin (DSN 8540-66-082-2995) has been relaxed and the current pattern napkin is available for use in wardrooms and general messes.

4. The existing scale of 7210-66-071-3452, Napkin, table, textile, linen for officers' messes in shore establishments, has been reduced from 4 No to 2 No per officer, for use on ceremonial and formal occasions only.

5. No variation of scale has been made in respect of officers' messes in sea going ships, but paper table napkins are now available to these messes for use by guests.

6. Issues to all messes are to be written off by manuscript certificate and action is to be taken to ensure usage is controlled to eliminate wastage.

7. RAN Storekeeping Manual ABR4, will be amended in due course.

(1/8540/3)

ANNEX A

Total requests for your Contract items

(1) List any your Contract items requested twice in the last 12 months from previous demand that is not applicable, including what is your Contract items that are

Contract Item	Quantity Requested	Quantity Requested in Last 12 Months	Quantity Requested in Last 12 Months from Previous Demand
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

UNCLASSIFIED

UNCLASSIFIED

303.75 - Nightjar Table Paper - Distribution of Revised Pattern and

1. A revised pattern paper table paper has been introduced as detailed here-

under:

2. The revised pattern paper table paper has been introduced as detailed here-

3. The revised pattern paper table paper has been introduced as detailed here-

4. The revised pattern paper table paper has been introduced as detailed here-

5. The revised pattern paper table paper has been introduced as detailed here-

6. The revised pattern paper table paper has been introduced as detailed here-

7. The revised pattern paper table paper has been introduced as detailed here-

8. The revised pattern paper table paper has been introduced as detailed here-

9. The revised pattern paper table paper has been introduced as detailed here-

10. The revised pattern paper table paper has been introduced as detailed here-

11. The revised pattern paper table paper has been introduced as detailed here-

12. The revised pattern paper table paper has been introduced as detailed here-

13. The revised pattern paper table paper has been introduced as detailed here-

14. The revised pattern paper table paper has been introduced as detailed here-

15. The revised pattern paper table paper has been introduced as detailed here-

**RESTRICTED**

**RESTRICTED**

RESTRICTED

HISTORIAN  
VICTORIA BARRACKS  
MELBOURNE  
ANOs 264/75-268/75



# AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,  
2 October 1975.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

RESTRICTED

Additional copies of Navy Orders may be readily obtained by:

- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 4718.

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265/75	Official Photographs.
<b>SECTION 3—OPERATIONAL AND TRAINING</b>	
266/75	Preparation for the PWO Course.
<b>SECTION 4—EQUIPMENT, STORES AND SERVICING</b>	
267/75	Maintenance—Doors and Hatches—Sealing Strips.
<b>SECTION 5—BOOKS, CORRESPONDENCE, FORMS AND STATIONARY</b>	
268/75	Forms TIS67/TIS68/TIS69/TIS70 (TH118, 119, 120) Report of Survey Commissioned Ships and Forms TIS71/TIS72/TIS73 Report of Hull Examination HMA Ships (Excluding Submarines).

## Section 2

## PERSONNEL

## UNCLASSIFIED

**264/75—Fees Payable for Medical, Dental and Paramedical Services rendered by Private Practitioners**

1. The Australian Government has given approval for increases in fees and allowances payable for services rendered by private medical, dental and paramedical practitioners on behalf of Australian Government Departments and Authorities. Fees and allowances and conditions of payment, having effect from 1 January 1975 are detailed under the following headings:

Annexe A—Medical Services performed on a Sessional Basis.

Annexe B—Medical Services performed on a 'Fee for Service Basis'.

Annexe C—Fee for Medical Examination and Reports.

Annexe D—Paramedical Practitioners—Sessional and Consultation Fees.

Annexe E—Fees Payable for Reading of Radiology Film.

Annexe F—Fees payable to Orthoptists.

Annexe G—Dental Services.

Annexe H—Allowances payable in respect of travel.

2. New sessional fees and new rates of Travel Time Payment for medical practitioners, have not yet been advised. These will be promulgated as soon as possible.

3. Details regarding the classification of specialists have been advised to the Administrative Authorities concerned. A complete list of specialists appointed to the RAN appears in ABR 1991.

4. Members on leave, detached duties, or otherwise living out are to obtain dental treatment through Service sources. The Department will be responsible for the cost incurred by members for private dental treatment only in cases where the treatment was for urgent relief of pain or the urgent repair of dentures. In the latter case costs will be accepted only in very exceptional circumstances and subject to Navy Office approval.

5. Members entitled to treatment under the provisions of Paragraph 4 above should not pay the account but should have it forwarded to the Supply Officer of the ship in which they are borne for pay. If it is more convenient, however, payment may be made by the member and reimbursement claimed on return to his ship or establishment, on production of receipted accounts.

6. Where possible, the services of civil dentists prepared to act at fees as promulgated in this Navy Order are to be utilised. Paragraph 15 of Annexe G below refers.

7. Navy Order 222/74 is hereby cancelled.

## ANNEXE A

## Medical Services Performed on a Sessional Basis

1. The following designations and rates apply:

	NSW, ACT and NT	Vic, Qld, SA and WA	Tasmania
	Rate per hour	Rate per hour	Rate per hour
	\$	\$	\$
Senior Specialist .. .. .	22.40	20.80	18.40
Specialist .. .. .	16.80	15.60	13.80
General Practitioner .. .. .	14.00	13.00	11.50

2. Sessional fees comprise a fee for the first hour and an additional fee for each subsequent quarter hour. For the purposes of calculating fees the length of the session is taken to the nearer quarter hour. For example, a session of up to 1 hour 7 minutes attracts the fee for the first hour only, a session of between 1 hour 8 minutes and 1 hour 22 minutes, attracts the fees for the first hour plus one subsequent quarter hour, etc.

3. Rules for Determining Eligibility for Payment at the Levels of Senior Specialist, Specialist or General Practitioner.

## Senior Specialist

- a. He must:
- (1) be recognised as a consultant physician or a specialist under the National Health Act;
  - (2) have completed a minimum of three years experience since gaining such recognition, or since gaining appropriate graduate qualifications; and
- b. The sessions he performs must be in the practice of his recognised specialty.

## Specialist

- a. He must be recognised as a consultant physician or a specialist under the National Health Act; and
- b. The sessions he performs must be in the practice of his recognised specialty.

## General Practitioner

He must be registered or licensed as a medical practitioner under the appropriate State or Territorial law.

## ANNEXE B

## Medical Services Performed on a 'Fee-for-Service' Basis

1. The following applies to all medical services performed on a 'fee-for-service' basis where the service is not covered by contract nor has a fee been otherwise determined for specified services.

2. Fees payable for 'fee-for-service' medical services are the appropriate amounts shown in the column headed 'Fee' in the most recent edition of the Medical Benefits Schedule Book published by the Department of Social Security. Separate Medical Benefits Schedule Books are produced for each State.

Notes: 1. Effective dates shown in the latest version of the Book are 1 February 1975 for Part 1 and 1 April 1975 for Parts 2 to 10. Nevertheless the fees shown are to be applied retrospectively from 1 January 1975 to 30 June 1975 in respect of services rendered to the Australian Government.

## ANNEXE B—continued

2. Medical Benefit Fees have been increased from 1 July 1975 and will also apply, with effect from 1 July 1975, for services rendered to the Australian Government. It should be noted that a revised Medical Benefits Schedule will not be issued in respect of the 1 July 1975 increases. Fees having effect 1 July 1975 are to be determined by use of a ready reckoner made available for this purpose by the Department of Social Security.

3. Ready reckoners and successive editions of the Medical Benefits Schedule Book are automatically distributed to existing holders of the Schedule.

## ANNEXE C

## Fee for Medical Examination and Reports (Forms)

The following increase has been approved with effect from 1 January 1975.

Form	Description	Old Fee \$	New Fee \$
PM149 } PM150 }	Medical Examination of Recruits for Armed Forces	10.20	16.00

## ANNEXE D

## Paramedical Practitioners

## 1. Sessional Fees

Provision has been made for payment of fees on a sessional basis to Nursing Sisters for paramedical services provided (e.g. at Rehabilitation Units). To be eligible for fees at Senior level a Nursing Sister must have at least three years experience since qualifying as a general trained nurse.

Paramedical Practitioner	Old Fees (from 1.4.74)		New Fees (from 1.1.75)	
	First Hour	Each Subsequent ½ Hour	First Hour	Each Subsequent ½ Hour
Art Therapist .. .. .	\$	\$	\$	\$
Chiroprapist .. .. .				
Nursing Sister .. .. .				
Occupational Therapist } Senior† ..	7.10	2.80	8.40	3.30
Physiotherapist } Junior ..	5.35	2.15	6.30	2.55
Social Worker .. .. .				
Speech Therapist .. .. .				
Bacteriologist .. .. .				
Biochemist .. .. .	9.90	3.95	11.70	4.65
Psychologist .. .. .				
Facio-Maxillary Prosthetist ..	10.15	4.05	12.00	4.80
Clinical Psychologist .. .. .	12.55	5.00	14.80	5.90
Maximum Daily Rate* .. .. .	62.55		73.80	
Consultant Psychologist .. .. .	13.70	5.50	16.20	6.50
Maximum Daily Rate* .. .. .	68.70		81.20	

\* Based on a six hour session.

† Defined as a practitioner having had three or more years experience since graduation.



ANNEXE D—continued

2. Consultation Fees

Paramedical Practitioner	Old Fees (from 1.4.74)	New Fees (from 1.1.75)
<b>Speech Therapist</b>	\$	\$
Consultation and treatment at rooms—		
Initial consultation (on the basis that at least one hour is devoted to each initial consultation) ..	6.75	7.95
Subsequent visits .. .. .	3.90	4.60
Home visits—		
Initial consultation (on the basis that at least one hour is devoted to each initial consultation) ..	7.65	9.05
Subsequent visits .. .. .	5.25	6.20
<b>Occupational Therapist</b>		
Home visit .. .. .	4.45	5.25
<b>Social Worker</b>		
Report on whole case and initial interview ..	7.65	9.05
Any subsequent interview concerned with the case at any location .. .. .	3.25	3.85
<b>Clinical Psychologist</b>		
Initial consultation at rooms .. .. .	12.90	15.25
Subsequent consultations .. .. .	6.45	7.60
<b>Physiotherapist</b>		
Treatment at rooms .. .. .	4.10	5.25
Home visit (if medically necessary) .. .. .	4.65*	5.95
<b>Chiropodist</b>		
Treatment at rooms .. .. .	3.30	4.00
Home visit .. .. .	4.10	5.00

\* Note: In the 16 May 1974 Circular this fee was notified as being \$4.45 with effect 1 April 1974. The Government has approved that the fee be increased to \$4.65 with retrospective effect 1 April 1974, and to \$5.95 with effect 1 January 1975.

ANNEXE E

Fees Payable for Reading of Radiology Film

1. Where a private Specialist is engaged simply to interpret radiology film where that film has not been taken under his supervision, the following fees are payable.

Reading of Full Plate Film

a. The existing fee for this service is \$5.50 per investigation. From 1 January 1975, the fee will be \$9.40 per investigation.

Reading of 70 mm Microfilm Chest X-Rays

b. The existing fee for this service is \$11.00 per 36 exposures. As from 1 January 1975, the fee will be calculated in accordance with the following formula.

- 0-200 exposures =  $\frac{1}{2}$  the relevant hourly sessional fee,
  - 200-300 exposures =  $\frac{3}{4}$  the relevant hourly sessional fee,
  - 300-400 exposures = the relevant hourly sessional fee,
- and thereafter by increments of an amount equal to  $\frac{1}{4}$  of the relevant hourly sessional fee for every additional 100 exposures.

ANNEXE E—continued

Note: 1. Fees calculated in this manner apply where pre-exposed film is delivered to the Specialist's rooms. If a Radiologist or Chest Physician is engaged on a sessional basis to perform this service on Australian Government premises, he should be paid normal sessional rates.

2. Sessional fees are currently being reviewed. Existing fees are as set out in Annexe A and depend upon state of residence and length of time since gaining Specialist qualifications. In cases where this information is not readily available, the Specialist should, for purposes of the reading X-ray microfilm at his rooms, be regarded as being a Senior Specialist.

ANNEXE F

Fees Payable to Orthoptists \$

<b>New South Wales—</b>			
Report .. .. .	..	..	6.00
Treatment .. .. .	..	..	5.00
Stress chart .. .. .	..	..	10.00
<b>Victoria—</b>			
First visit .. .. .	..	..	4.10
Subsequent visit .. .. .	..	..	2.10
<b>Queensland—</b>			
First visit .. .. .	..	..	8.00
Subsequent visit .. .. .	..	..	6.50
<b>South Australia—</b>			
First visit .. .. .	..	..	2.10
Subsequent visit .. .. .	..	..	2.10
Stress chart .. .. .	..	..	2.10
<b>Western Australia—</b>			
Treatment .. .. .	..	..	5.00
<b>Tasmania—</b>			
First visit .. .. .	..	..	4.50
Subsequent visit .. .. .	..	..	4.00
Consultation (one hour) .. .. .	..	..	5.00

ANNEXE G

Dental Services

(a) Dental Practitioners—Sessional Fees

	Old Fees (from 1.6.74)		New Fees (from 1.1.75)	
	First Hour	Each Subsequent $\frac{1}{2}$ Hour	First Hour	Each Subsequent $\frac{1}{2}$ Hour
Principal Visiting Dental Officer ..	\$ 24.70	\$ 9.90	\$ 30.60	\$ 12.25
Senior Visiting Dental Officer ..	21.00	8.40	26.00	10.40
Dental Specialist (previously Visiting Dental Surgeon) ..	21.00	8.40	26.00	10.40
General Dental Practitioner (previously Visiting Dental Officer) ..	13.25	5.30	16.40	6.55

## ANNEXE G—continued

## (b) Dental Practitioners—Fees for Consultations and Treatment Services

Item	Old Fees (from 1.4.74)	New Fees (from 1.1.75)
	\$	\$
<b>1. Consultation and Report</b>		
Consultation and examination (when specifically requested) and submission of report—		
(a) Local dental officer	4.95	6.15
(b) Dental specialist (Orthodontist, Periodontist, Oral Surgeon, etc)	9.85	12.20
(c) Subsequent visits for (b)	6.15	7.60
(d) Principal Dental Officer	14.00	17.35
(e) Principal Dental Officer—file referral	12.00	14.85
(f) Senior Dental Officer	9.60	11.90
(g) Senior Dental Officer—file referral	8.25	10.20
<b>2. Preventive Dentistry</b>		
(a) Removal of plaque	5.10	6.30
(b) Scaling and cleaning (including removal of plaque)	7.60	9.10
(c) Topical application of fluoride (prior approval not required for children under 16 years and above when receiving full-time education)	2.55	3.15
<b>3. Conservative Dentistry</b>		
(a) Restorations—		
(i) Amalgam—		
One surface	6.60	8.20
Two surfaces	8.00	9.90
Three surfaces	10.40	12.90
(ii) Synthetic porcelain	7.35	9.10
(iii) Composite resin	8.30	10.30
(b) Direct gold inlay—prior approval to be obtained for treatment and fee not to exceed	38.05	47.15
(c) Crowns and Bridgework—prior approval to be obtained for treatment and fee		
<b>4. Endodontics</b>		
(a) Removal of pulp and root filling—		
(i) Anterior tooth	25.40	31.45
(ii) Posterior tooth—approval to be obtained for treatment and fee		
(b) Treatment of infected pulp and root-filling—		
(i) Anterior tooth	31.75	39.35
(ii) Posterior tooth—approval to be obtained for treatment and fee		
(c) Pulpotomy	5.65	7.00
<i>Note:</i> Where treatment is carried out by a specialist endodontist, prior approval is required for both treatment and fee.		

## ANNEXE G—continued

Item	Old Fees (from 1.4.74)	New Fees (from 1.1.75)
	\$	\$
<b>5. X-Rays</b>		
(a) 1 X-ray (and where required a written report)	3.45	4.30
(b) Each additional film	2.15	2.65
(c) Full mouth—fourteen films	20.30	25.15
(d) Extra oral—lateral (each side)	8.30	10.30
<b>6. Sedative Dressings</b>		
Emergency treatment for relief of pain or control of haemorrhage (maximum of two treatments without reference to the Department)	3.00	3.70
<b>7. Exodontics</b>		
(a) Extraction under local anaesthesia—		
(i) One tooth	5.90	7.30
(ii) Each additional tooth	3.30	4.10
(b) Extractions under general anaesthesia—		
Multiple extractions performed in a hospital by a local dental officer:		
Minimum (up to four teeth)	28.95	35.85
Maximum (five or more teeth)	37.10	45.95
<b>8. Prosthetics</b>		
(a) Dentures:		
(i) Full upper or lower	81.20	105.60
(ii) Full upper and lower	154.00	182.15
(iii) Partial dentures:		
1 tooth	34.20	44.50
2 teeth	36.85	47.95
3 teeth	39.55	51.45
4 teeth	42.20	54.90
5 teeth	46.85	60.90
6 teeth	47.40	60.90
7 teeth	47.95	60.90
8 teeth	48.60	60.90
9 teeth	49.15	60.90
10 teeth	52.30	65.85
11 teeth	52.75	65.85
12 teeth	53.15	65.85
Per clasp	3.75	4.65
Occlusal rest where not used as part of clasp	1.80	2.25
<i>Notes:</i>		
1. Occlusal rests will be regarded as an integral part of the clasps.		
2. A clasp, whether it has one, two or three arms, will be regarded as one clasp for the purpose of assessment.		

## ANNEXE G—continued

Item	Old Fees (from 1.4.74)	New Fees (from 1.1.75)
	\$	\$
(iv) Cast-metal dentures (prior approval to be obtained):		
1 tooth .. .. .	42.30	55.00
2 teeth .. .. .	45.05	58.60
3 teeth .. .. .	47.70	62.05
4 teeth .. .. .	50.40	65.55
5 teeth .. .. .	55.00	71.05
6 teeth .. .. .	55.60	71.05
7 teeth .. .. .	56.15	71.05
8 teeth .. .. .	56.70	71.05
9 teeth .. .. .	57.35	71.05
10 teeth .. .. .	60.45	76.00
11 teeth .. .. .	60.90	76.00
12 teeth .. .. .	61.35	76.00
(Plus the cost of casting—fee by negotiation, except in New South Wales where a contract laboratory service is used)		
<i>Note:</i> Clasps are regarded as an integral part of the casting.		
(v) Relining (processed) lower .. .. .	26.70	33.10
(vi) Rebasing (processed) upper .. .. .	34.20	42.35
(vii) Use of functional impression techniques (e.g. hydro-cast) prior approval to be obtained—fee by negotiation:		
Where treatment necessary for both upper and lower dentures:		
Maximum fee payable .. .. .	39.40	40.80
Where treatment necessary for upper or lower dentures:		
Maximum fee payable .. .. .	19.65	24.35
(b) Repairs to dentures:		
(i) Ordinary fractures .. .. .	8.00	9.90
(ii) Replacement of one tooth (or clasp) .. .. .	8.00	9.90
Replacement of one tooth or clasp (where impression required) .. .. .	9.65	11.95
Each additional unit .. .. .	3.45	4.30
(iii) Addition of new tooth (or clasp) .. .. .	11.85	14.70
Each additional unit .. .. .	4.45	5.50
(iv) Cast-metal dentures—fees as (i), (ii) and (iii) above (plus cost of any casting necessary for repair or addition—fee for casting by negotiation, except in New South Wales where contract laboratory is used)		
9. Periodontic:		
(a) Acute—		
(i) Gingival infection—first visit .. .. .	7.40	9.15
(ii) Subsequent visits—negotiated fee with maximum for whole treatment of .. .. .	23.80	29.50

## ANNEXE G—continued

Item	Old Fees (from 1.4.74)	New Fees (from 1.1.75)
	\$	\$
(b) Chronic:		
Fee to be fixed by negotiation when carried out by a local dental officer or a specialist periodontist.		
When carried out by a specialist periodontist the fee must not exceed:		
(i) Full gingivectomy .. .. .	150.00	185.80
(ii) Full periodontal surgery involving gum flap and osseous surgery .. .. .	222.50	275.60
10. Orthodontics		
Fee to be arranged by prior negotiation:		
Maximum fee payable .. .. .	476.00	589.60
11. Oral Surgery		
(a) Minor—prior approval required, maximum fee of ..	24.50	30.35
(b) Major—prior approval required and fee by negotiation		
12. Miscellaneous		
Specialised treatment where a fee is not specified:		
Fee to be arranged by prior negotiation.		
13. New Guinea		
A surcharge of 15% to be payable for dental treatment provided in the New Guinea area.		
14. The authorised representatives of the Director-General of Naval Health Services are the Senior Dental Surgeon, HMAS CERBERUS, The Command Dental Surgeon, EAST AUSTRALIA AREA, and the Fleet Dental Officer, HMAS MELBOURNE.		
15. Administrative Authorities are to maintain lists of local dental practitioners who are prepared to act at the above fees and promulgate in local orders. Copies of these lists are to be referred to Navy Office.		

## ANNEXE H

## Allowances Payable in Respect of Travel

## Mileage Allowance

1. a. The existing rate of mileage allowance payable to medical practitioners is to remain unchanged, but is to be expressed in future in metric terms as 30 cents per kilometre one way beyond a radius of three kilometres.

## ANNEXE H—continued

- b. Previously, the rate of mileage allowance payable to dental and paramedical practitioners for visits to private homes and non-departmental institutions was 12 cents per mile each way beyond a radius of two miles. As from 1 January 1975, this rate is to be increased to 10 cents per kilometre each way beyond a radius of three kilometres.

## Travel Time Payment

2. Travel Time Payment remains unchanged at 50% of the relevant sessional fee. The following table sets out new rates of Travel Time Payment corresponding to the new sessional rates of pay. Also with effect 1 January 1975 the kilometre rate is to be used for travel in city or metropolitan areas while the hourly rate is to be used for travel in country areas.

Designation	Old Allowance Effective 1.4.74		New Allowance Effective 1.1.75	
	Rate per hour	Rate per mile	Rate per hour	Rate per kilometre
	\$	c	\$	c
<b>Dental Practitioners—All States</b>				
Principal Dental Officer .. ..	12.35	61.8	15.30	47.8
Senior Dental Officer .. ..	10.50	52.5	13.00	40.6
Dental Specialist (previously Visiting Dental Surgeon) .. ..	10.50	52.5	13.00	40.6
General Dental Practitioner (previously Visiting Dental Officer) .. ..	6.65	33.3	8.20	25.6
<b>Paramedical Practitioners—All States</b>				
Art Therapist .. ..	3.55 2.70	17.8 13.5	4.20 3.15	13.1 9.8
Nursing Sister .. ..				
Social Worker .. ..				
Occupational Therapist .. ..				
Speech Therapist .. ..				
Psychologist .. ..	4.95	24.8	5.85	13.3
Bacteriologist .. ..				
Biochemist .. ..				
Facio-maxillary Prosthetist .. ..	5.10	25.5	6.00	18.8
Clinical Psychologist .. ..	6.30	31.5	7.40	23.1
Chiropodist } Senior* .. ..	3.55 2.70	17.8 13.3	4.20 3.15	13.1 9.8
Physiotherapist } Junior .. ..				
Consultant Psychologist .. ..	6.85	34.3	8.10	25.3

A further provision is that from 1 January 1975, the full distance travelled by a Medical, Dental or Paramedical practitioner in reporting for sessional duty is eligible to attract Travel Time Payment. The effect of this is to obviate the need to deduct four miles from the distance travelled or 12 minutes from the time spent in travelling.

\* Defined as a practitioner having had three or more years experience since graduation.

(Navy Order 222/74)

(327/61/53)

## UNCLASSIFIED

## 265/75—Official Photographs

1. Official photographs of Sailors/Wrans for use on official documents are to comply with the following:
  - a. *Size*—either 2.5 cm × 3.5 cm or 5 cm × 5 cm.
  - b. *Subject*—full frontal head and shoulders to chest level, cap/hats are *not* to be worn hair clear of the face, and expressionless.
  - c. *Name*—subject's surname and initials together on one line with personal number on a lower line to be shown in the lower confines of the photograph by either the use of letter board or printed white on black background, letters to be 1 inch high.
  - d. *Dress*—uniform, ie, Sailors Number 2 or 2A's, Wrans Number 1 or 6's.
  - e. *Colour*—photographs are to be black and white.
2. These photographs are to be used with the following:
  - a. Form KE120 (RAN ID cards) 2.5 cm × 3.5 cm.
  - b. Form PH108 (Divisional Officers Record Sheet) 5 cm × 5 cm.
  - c. Personal details page of Record of Training and Employment 5 cm × 5 cm.

(N363/1/9)

## Section 3

## OPERATIONAL AND TRAINING

## RESTRICTED

## 266/75—Preparation for the PWO Course

1. Annexe A to this Navy Order details the pre-course requirements for PWO students. While the PWO course (and consequently Annexe A to this Navy Order) is totally RN oriented, many operational and equipment aspects are common to both the RN and the RAN.
2. Reports indicate that some officers are experiencing difficulties on joining PWO courses through having insufficient experience of Operations Room procedures and little knowledge of equipments fitted. Therefore Annexe A should be used as a guide for preparation for the PWO Course.
3. Commanding Officers are to ensure that Junior Seaman Officers are given the maximum amount of Operations Room experience compatible with seniority and with the operational effectiveness of the ship.
4. It is recognised that pressures on the PWOs as well as the duties undertaken by Junior Officers will not always provide opportunity for on-the-job training. While lack of such experience will not necessarily jeopardize the chances of successfully completing PWO Courses, maximum benefit can be obtained from these courses if some practical knowledge has been gained in an officer's earlier sea experience. Every effort should be made therefore to ensure that no opportunities are lost.

## ANNEXE A

## Pre-Course requirements for PWO Students

## 1. Navigation, AIO and MET

## a. Navigation

- (1) To know the standard conning orders.....Ref: BR 67 (1) pp 390-408.
- (2) To understand the operation of propellers and rudders.....Ref: BR 67 (3) pp 250-251 BR 45 (4) paragraphs 610-614 1530-1531.

## ANNEXE A—continued

- (3) To know the standard symbols used in chartwork.....Ref: BR 45(4) pp 2-6, 2-10.
- (4) To have a thorough knowledge of charts, the information shown on them, their upkeep and correction.....Ref: BR 45(1) pp 28-46 BR 45(4) Ch 2. M51 MD 303 Charts 5011 and D6067.
- (5) To know the limits of accuracy of gyro compasses patt 5005, Mk 19 and Mk 23.....Ref: BR 45(1) pp 285-295 BR 45(4) Ch 24 and 32.
- (6) To be able to fix by Decca, Consol and Loran.....Ref: ALRS Vol. V Decca operating instructions and Data Sheets.
- (7) To understand the principles of the use of radar for navigation and to know the duties of the members of the Blind Pilotage Team.....Ref: BR 45(1) pp 216-228.

## b. AIO

- (1) State the functions of the external and internal communications within the AIO of a frigate.....Ref: BR 1982B FOTI.
- (2) State the manning of the AIO within a frigate.....Ref: BR 1982B FOTI.
- (3) Know how to operate the user controls on a JUA, JDA, JYA and JYB .....Ref: BR 1982B, BR 1982 CB 4509.
- (4) Describe the Cartesian and GEOREF grids and usage.....Ref: BR 1982B.
- (5) Describe the methods by which Air, Surface, Sub-Surface Pictures are compiled in a frigate.....Ref: BR 1982B FOTI.
- (6) State the primary and additional functions of radars 965, 993, 992Q, 278, 986, 978, 944, 954.....Ref: BR 1982.
- (7) State the maximum range of the above radars.....Ref: BR 1982.
- (8) State the functions of Differentiation Swept Gain and Clipping circuits.....Ref: BR 1853.

## c. MET

- (1) List the references where the various Met facilities, forecast etc., that are available to ships may be found.
- (2) Be able to prepare a Met Observation in FM 21 code.

## 2. Communications and EW

- a. State the principle rules of manoeuvring.....Ref: ATP1A Ch 1-7.
- b. State the types and methods for ordering and adjusting screens.....Ref: ATP1A Ch 13.
- c. State the method of ordering a Replenishment Program and Formation and of altering course during replenishment.....Ref: ATP1A Ch 19, ATP16 AXP5A.
- d. State the methods of ordering and the rules for the conduct of carrier operations with a Screen and Rescue Destroyer.....Ref: FOTI AXP5A.
- e. State the rules for the correct drafting of signals.....Ref: RNCP9.
- f. State the procedure involved in the reception of a Fleet Broadcast and the passing of signal messages by 'Ship/Shore'.....Ref: RNCP1 RNCP3.
- g. State the names, uses and manning of the principal tactical circuits.....Ref: RNCP1.
- h. State the methods of interpreting Complains given in FLCO.

## ANNEXE A—continued

- i. State the circuits to be manned on a typical sea passage with times of setting watch and ceasing watch.....Ref: RNCP1.
- j. Interpret the instructions given in RNCP3 for communications circuits to be used in Submiss/SAR situations.
- k. State the rules for visual recognition and produce the appropriate signals for a given time and date.....Ref: ACP 150.
- l. State the definitions of Active and Passive ECM and ECCM and the typical RN equipments used in these fields.....Ref: ACP 178 RNCP2.
- m. State the parameters measured by current EW equipment in the RN.....Ref: RNCP2.
- n. State the names of the Radars, Associated platforms and missile systems most widely fitted in Soviet and Satellite Navies.....Ref: FOTI.
- o. State the purpose and principles of EW tasking.....Ref: NCRP 10.
- p. State the capabilities and limitations of current RN radio equipment including portables.....Ref: RNCP 2.
- q. State the types of callsign in use at sea.....Ref: ACP113.
- r. State the mandatory occasions for the use of Authentication and Numeral Codes and use them correctly.....Ref: AMSP 528 and 529 ACP 122 ATP1A V2 Current Crypto systems.

## 3. NBCD

It is assumed that students will have attended a two-week NBCD standard course before first going to sea. Essential basic knowledge requirements covered in BR2170 and BR2171 are listed below.

- a. The principles of NBCD Organisation; large and small ships, layout and personnel of HQ1, Section Bases, fire and repair parties, electrical repair parties, pumping and flooding parties and specialised action repair teams.
- b. The principles of manning in different NBCD states, including engine room manning.
- c. The meaning and use of NBCD States and Conditions, control markings.
- d. Emergency and Shelter Stations. Risk Markings.
- e. Conventional weapon effects—basic principles, zones of damage.
- f. Types of B and C agents. Their effects on man. Persistency.
- g. Basics of nuclear explosion theory. Broad outline only required. Radiac instruments and their use. Dose and dose/rate.
- h. Effects of radiation on man.
- i. Location markings, basics of ship construction.
- j. The gas-tight citadel—basic arrangements—rules of access, and exit.
- k. Propulsion—principles of propulsion.
- l. Power—sources and distribution.
- m. Action responsibilities of NBCDO and NBC Protection Officer.
- n. Personal protective equipment.
- o. Principles of pre-wetting.
- p. Monitoring, teams and methods.
- q. Decontamination, teams and methods.
- r. NBC detection methods.

## ANNEXE A—continued

- s. Chemical Safety Rule.
- t. Immediate Action Drill.
- u. Action after damage, control of incidents and personnel.
- v. FOTI 0901, 0902, 0903, 0904.

## 4. AWW

*Weapon Direction*

- a. (1) List the sources of tactical information available to the Missile Gun Director.
- (2) Establish their validity.
- (3) State the actions stimulated by specific inputs.
- (4) Describe the method of display of tactical information to the MGD/Command.

(Ref: CB4509 and CB3189)

- b. Describe the methods of Weapon Direction which can be employed in a Frigate .....Ref: Visit a Frigate.
- c. Describe the Weapon Direction Process from Detection to Indication and establish the variables that can be decreased by training to allow an increase in Target Evaluation and Selection time.....Ref: IPS Pamphlet DDM 12.

*Fire Control*

- d. State the properties of the Gyro and how these are used in Fire Control..... Ref: BR 1096 Ch 15 and 16.
- e. Differentiate between Tachometric Prediction (in AA) and Goniographic prediction (in SU).....Ref: BR2515 (2) (B) Ch 2.
- f. State the basic method employed to obtain blind target follow for Range, Bearing and Elevation using Radar Type 903/904.....Ref: BR2515 (2) (B) Ch 2.
- g. Describe the Fire Control Process from Acquisition to Engagement.....Ref: IPS Pamphlets DDM 4 (R) or DDM 9 (R).

*Organisation*

- h. State the sources of information from which a ship's Watch and Station Bill is prepared.....Ref: BR974.
- i. State the meanings of the Degrees of Readiness and States of Preparedness and establish the factors affecting ship preparedness for action during the process of changing from one Degree or State to another.....Ref: BR974.

*Training and Practices*

- j. Describe, for a newly commissioned ship, how training may be steadily progressed using standard Firing and Non Firing Practices in AA and SU.....Ref: BR1043.
- k. State the types of air and surface targets in service and describe their methods of control.....Ref: IPS Pamphlet PM 6.
- l. Describe the method available to a Fleet Commander to enable him to evaluate a ship's progress in weapon training.....Ref: FXTI and WF Form 10.

*Safety of Explosives*

- m. State the responsibilities of the OOW/OOD with regard to the safety of explosives during embarking and disembarkation.....Ref: BR862.
- n. State the meanings of Adjacent Compartment and Locked Approach Inspections, by whom they are carried out and at what intervals.....Ref: BR862.
- o. Describe the irregularities which should be checked upon by personnel carrying out inspections of compartments containing explosives.....Ref: BR862.

## ANNEXE A—continued

- p. State the meaning of 'Anti Static Precautions' and when they should be observed .....Ref: BR862.
- q. Describe the use of the Magazine Log and the notations made therein.....Ref: BR862, Magazine Log.

*Practical experience*

- r. The student should take steps to observe the operation of AWW weapon equipment in the following positions during non-firing and firing practices:

- |         |                  |
|---------|------------------|
| (1) GDR | (4) Director     |
| (2) GDP | (5) Gun Mounting |
| (3) TS  | (6) Launcher     |

Note: It should be noted that the acquisition of this outstation experience is unlikely to be possible once the student has qualified PWO.

## 5. ASW

a. *Sonar*

- (1) State the functions and manning of sonars type 170, 177M, 184M, 176, 199, 185 and 182.....Ref: Visit a frigate.
- (2) View the operation of Hull Outfits 18 and 19 in a frigate and state limiting ship speeds for raising/lowering and maximum speed with domes lowered .....Ref: Visit a frigate.

b. *Weapons*

- (1) State the range bracket, reload procedure, mounting positions and ammunition available for A/S Mortar Mk 10.....Ref: Visit a frigate.
- (2) State the running time, acquisition range speed and search pattern of the Mk 44 torpedo.....Ref: CB4918(1) Pt 2b Ch 6.

c. *MATCH*

- (1) State the Alert states, aircraft positions and endurance in the MATCH role for a WASP helicopter.....Ref: CB4918(1) Pt 2b Ch 5.
- (2) Describe the components of the MATCH system.....Ref: CB4918(1) Pt 2b Ch 1.

d. *ASW*

- (1) State the TCM required when:
  - (a) A torpedo is detected from own ship.
  - (b) Own ship gains sonar contact.
  - (c) Own ship is on a SAU.
- (2) State the attack methods and lost contact searches used during close and stand off A/S action.....Ref: ATP1(A) Vol. 1.
- (3) State the screens available for ASW.....Ref: ATP1(A) Vol. 1.

e. *Practical experience.* Students should attempt to obtain the following:

- (1) Witness TAS User Checks in a Frigate.
- (2) View sonars and A/S weapons in a frigate during a CASEX.
- (3) Witness WASP operating from a frigate and gain flight experience.
- (4) Gain flight experience in a Sea King or Wessex III helicopter.
- (5) Witness A/S Action procedure in a frigate Operations Room.
- (6) Witness ship's demolition team and divers at work, describe their equipment and training.

(N519/5/52)

## Section 4

### EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

#### 267/75—Maintenance—Doors and Hatches—Sealing Strips

1. Instances are still occurring where rubber sealing strips fitted to watertight doors and hatches are being painted for the sake of appearances only. Rubber sealing strips, being made of natural rubber, are adversely affected by paint and are thereby rapidly degraded, resulting in excessive maintenance effort.

2. In addition, since the adhesion of the paint to the rubber is poor, the action of opening and closing the door or hatch results in localised flaking of the paint, which results in an incomplete seal.

3. Rubber sealing strips are not to be painted and care should be exercised during painting operations that they are protected from paint contamination by the use of masking tape or masking paste in accordance with the relevant section of ABR19.

(N9320/1/1)

## Section 5

### BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

#### 268/75—Forms TIS67/TIS68/TIS69/TIS70 (TH118, 119, 120) Report of Survey Commissioned Ships and Forms TIS71/TIS72/TIS73 Report of Hull Examination HMA Ships (Excluding Submarines)

1. This order incorporates amendments to the instructions for compiling Reports of Survey of structure of commissioned ships and introduces new forms for Examination of Structure by ships officers of commissioned ships.

##### Form TIS67 (TH118) Purpose

2. This form, to be completed by dockyard officers for ships in commission, supersedes Form TH118 and is composed of four sections:

- a. TIS67 (TH118) Cover—includes a general condition code, an indicative code, instructions in the use and distribution of the form and certificate of survey for signature.
- b. TIS68 (TH119)—Hull survey internal/external—to be completed by dockyard officers giving detailed results of surveys of structure with appropriate general condition and indicative code markings. This provides ships officers with a quick and easy guide to future commitments and reduces ship staff study and interpretation of the report when raising Forms TM145 and TM200 for necessary action.
- c. TIS69 (TH120)—Dockyard action survey report—will detail the work necessary to carry out the repairs and specify estimates of man hours for each trade. The information will allow accurate networking, capacity and job planning to be carried out in detail. Columns are provided for insertion of Form TM145/200 serial numbers raised by ships officers, as follow up action, for recording in the ship copy.

- d. TIS70—Summary sheet—to give details of the Dockyard Officers professional summary of the survey report indicating the overall condition of the ship and its anticipated structural life.

##### General Instructions

3. Dockyard officers are to complete this form after all docking, refit and special surveys have been carried out.

##### Forwarding of Reports

4. Reports are to be completed in quadruplicate, copies being forwarded as follows:
  - a. Original—The Director General, Dockyards and Maintenance, Department of Defence (Navy Office).
  - b. Copy—Flag Officer Commanding HMA Fleet.
  - c. Copy—for insertion in Ships Book.
  - d. Copy—retained by Dockyard.

##### Form TIS71—Purpose

5. This form is to be completed by ships officers, in conjunction with Hull Planned Maintenance routines, and is comprised of three sections.

- a. Form TIS71—Cover—includes a condition indicator code, instructions in the use and distribution of the form and signature blocks.
- b. Form TIS72—Details of significant defects—is to list details of defects found during the preceding eight months, serial numbers of TM145/TM200 raised and completion dates if available.
- c. Form TIS73—Tick off sheet—lists main structural members, items affecting WT/GT integrity and corrosion. By use of a tick in the boxes provided, which enumerate to the Condition Indicator Code, an assessment is to be made of the overall condition of each watertight compartment examined during the preceding eight months. Serial numbers of TM145/TM200 raised on defects found are to be inserted and, where considered necessary, pertinent comments are to be included.

##### General Instructions

6. Completed forms are to be rendered every eight months and when Hull Surveys are undertaken ships copies of forms raised since the last survey are to be made available to dockyard officers for perusal.

##### Forwarding of Reports

7. Completed forms are to be distributed as follows:
  - a. Original—retained by ship.
  - b. Copy—to Administrative Authority.
  - c. Copy—to Director of Fleet Maintenance, Department of Defence (Navy Office).
8. When stocks of new series (TIS) Forms become available current TH118, TH119 and TH120 Forms are to be destroyed.
9. Navy Order 33/73 is hereby cancelled.

(Navy Order 33/73)

(1211/51/818)

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ANOs 269/75-274/75



Historian  
Victoria Barracks  
Melbourne

# AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,  
10 October 1975.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

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**CONTENTS**

*No*

*Title*

**SECTION 1—ADMINISTRATIVE AND GENERAL**

- 269/75 Decommissioning.
- 270/75 Herbert Lott Naval Trust Fund Awards for Courses Held During the Year Ending 31 March 1975.

**SECTION 3—OPERATIONAL AND TRAINING**

- 271/75 Marking of Contaminated or Dangerous Land Areas.

**SECTION 4—EQUIPMENT, STORES AND SERVICING**

- 272/75 Deck Coverings in HMA Ships and Submarines—Policy.
- 273/75 Demands for Stores—Use of Fill or Kill Facility.
- 274/75 Introduction—Survival Support Devices—HMA Submarines—Class 4240.

Additional copies of Navy Orders may be readily obtained by:

- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 4718.

## Section 1

## ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

## 269/75—Decommissioning

The following decommissioning has been effected:

HMAS MELVILLE .. .. 21 August 1975.

(N108/1/4)

UNCLASSIFIED

270/75—Herbert Lott Naval Trust Fund Awards for Courses Held  
During the Year Ending 31 March 1975

1. The following officers and sailors gained the best results in their particular courses and have been awarded prizes of £15 sterling in the case of officers, and £10 sterling in the case of sailors, from the Herbert Lott Trust Fund. The Naval Board acknowledge the effort required to achieve these results and congratulate the recipients:

Course	Rank	Name	Personal Number	Now Serving in HMAS
Adv.QMG ..	POQMG ..	B. D. King ..	R57569	NIRIMBA
Adv.FC ..	LSFC ..	A. G. McDonough ..	R95449	VENDETTA
Adv.WM ..	LSWM ..	A. J. Young ..	R52722	WATERHEN
Adv.RP ..	LSRP ..	R. E. Tyson ..	R66616	WATSON
Adv.UW ..	LSUW ..	R. T. Sandford ..	R103920	BRISBANE
Adv.UC ..	LSUC ..	W. C. Richer ..	R95947	PARRAMATTA
Adv.SIG ..	CY ..	R. Parker ..	R94284	PARRAMATTA
Adv.RO ..	LSRO ..	W. E. Mander ..	R95443	CRESWELL
Adv.ROS ..	PORSS ..	P. W. White ..	R93764	HARMAN
MTP4/MTP4 D Qual.	CPOMTPD4	J. G. Van-Boheemen	R42806	IBIS
Adv.MTL ..	POMTL2 ..	R. W. Stewart ..	R66030	PENGUIN
Adv.ETS .. (ex WE)	POETS ..	D. J. Crowther ..	R104827	KUTTABUL (FMP)
Adv.ETS .. (ex WR)	POETS3 ..	W. J. Vanderwolf ..	R103721	STALWART
Adv.ETC ..	POETC3 ..	K. D. Scott ..	R64962	DERWENT
POMTP3 .. Mech. Qual.	POMTP3 ..	W. R. Hobby ..	R66213	SWAN
Adv.PHOT ..	LSPH ..	I. M. Goodson ..	R57179	MELBOURNE (MAG)
MTH4 Qual. ..	CPOMTH4	J. R. Bryant ..	R42475	KUTTABUL (FMP)

Course	Rank	Name	Personal Number	Now Serving in HMAS
Adv.ATA ..	POATA ..	R. R. Brauer ..	R63182	NIRIMBA
Adv.ATW .. (ex W)	POATWO ..	W. J. Kocz ..	R106046	NIRIMBA
Adv.ATW .. (ex AW)	LSATWL ..	V. H. Walker ..	R105488	ALBATROSS
Adv.ATC ..	LSATC3 ..	T. E. Bovey ..	R65285	ALBATROSS
Adv.MTP ..	POMTP3* ..	B. L. Donchi ..	R66188	NIRIMBA
Adv.MTPD ..	POMTPD3..	B. J. Pike ..	R105709	NIRIMBA
RAN Observer (Officer)	LEUT ..	I. D. Gibson ..	..	V.C. 851

2. Payment is to be effected through the ship's cash account as a charge to Division 604/1/17/111—Recoverable Expenditure Other Governments. See Navy Accounts Manual Article 0332 Paragraph 2.

3. Authorisation of payment is to be made by the ship or establishment in which personnel are borne at the date of receipt of this order.

(N251/9/8 Pt 1)

### Section 3

#### OPERATIONAL AND TRAINING

UNCLASSIFIED

#### 271/75—Marking of Contaminated or Dangerous Land Areas

1. Attached at Annex A is a copy of Seastag 2002 (Edition No 2) which details the system of marking contaminated or dangerous land areas. This system is currently in force.

2. Navy Order 395/72 is hereby cancelled.

#### ANNEXE A

##### Seastag 2002 (Edition No 2)

##### Details of Agreement

##### Marking of Contaminated or Dangerous Land Areas

##### Agreement

1. It is agreed that the procedures contained herein for marking contaminated or dangerous land areas will be used by the armed forces of SEATO Member Nations.

#### ANNEXE A—continued

#### Part I—Martial Contaminations

##### General

2. For the purposes of this Seastag, martial contamination will include such dangers as radiological contamination, biological contamination, chemical contamination, chemical minefields (or barriers), unexploded munitions. These dangers will always be marked triangular signs (right-angled isosceles triangle) unless the area is to be abandoned to the enemy.

3. The relevant procedures and marking systems are designed both for the protection of personnel of the units responsible for the areas concerned and for the prevention of casualties or unnecessary exposures among individuals or units of other commands resulting from unknowingly traversing contaminated areas.

4. The provisions of this agreement do not preclude additional marking or sign-posting over and above that required by this Seastag when the commander concerned believes it is necessary.

##### Colour Signs

5. The nature of the contamination or danger of the considered area is to be indicated by the colour of the signs. These include:

- The primary colour, used for the background of the front surface and for the entire back surface of the sign.
- A secondary colour, used for additional markings and/or inscriptions on the front surface.

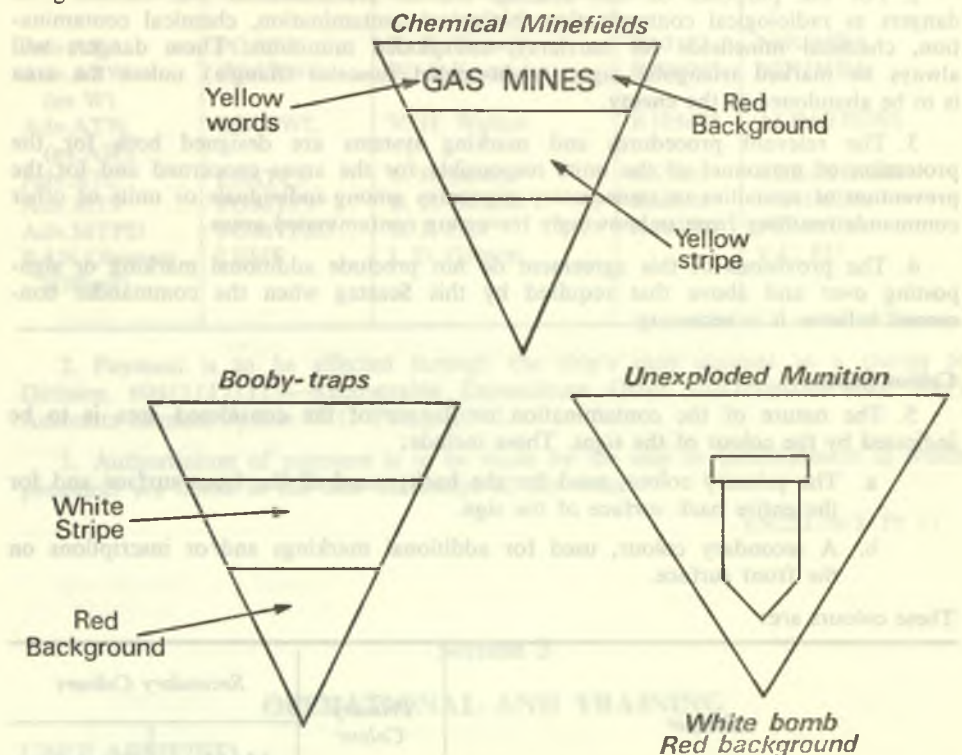
These colours are:

Danger	Primary Colour	Secondary Colours	
		Markings	Inscriptions
Radiological contamination .. .. .	WHITE	NONE	BLACK
Biological contamination .. .. .	BLUE	NONE	RED
Chemical contamination .. .. .	YELLOW	NONE	RED
Chemical minefields (or barriers) .. .. .	RED	YELLOW (STRIPE)	YELLOW
Minefields (or barriers) other than chemical ..	RED	NONE	WHITE
Booby-trapped areas .. .. .	RED	WHITE (STRIPE)	WHITE
Unexploded munition .. .. .	RED	WHITE (BOMB)	NONE

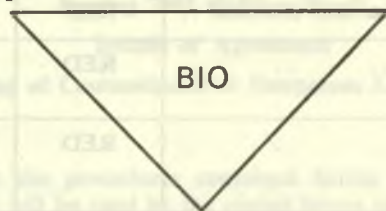
## ANNEXE A—continued

**Chemical Minefields (or Barriers), Booby-traps and Unexploded Munitions**

6. In the case of danger due to chemical minefields (or barriers), booby-traps and unexploded munitions, the front surface of the sign which faces away from the dangerous area has two colours and will be marked thus:

**Minefields (or Barriers) and Biological, Radiological and Chemical Contaminations**

7. In the case of danger due to minefields (or barriers) (other than chemical) and of danger due to biological, chemical and radiological contamination, the primary colour and the pattern of the signs by themselves will be the principal means of recognising the type of contamination. As a safeguard, the words 'MINES', 'GAS MINES', 'GAS', 'BIO' (for biological contamination) or 'ATOM', with the optional addition of a symbol such as a trefoil (for radiological contamination), where required by national authorities, will be painted or written with the secondary colour on the front surface. The language to be used for these inscriptions will be selected by the forces erecting the sign. These inscriptions will be written parallel to the longer side of the sign, for example:



## ANNEXE A—continued

**Inscription of Signs**

8. In addition, details if known, of biological, chemical and radiological contaminations are to be written on each sign, preferably on the front surface. For biological contamination and for persistent or moderately persistent chemical agents, the name of the agent used, when known, and the date and time of detection are required. In cases of radiological contamination, the following will be inserted on each sign:

- a. The dose rate.
- b. Date and time of reading.
- c. The date and time of the detonation that produced the contamination (if known).

**Multiple Hazards**

9. Areas which contain more than one type of contamination or other hazard will be marked with the relevant signs placed near to each other. However, the sign 'GAS MINES' will be assumed to include the attendant presence of highly explosive mines and/or booby-traps.

**Special Case of Mined and Booby-trapped Areas**

10. All areas that contain mines or booby-traps or both require marking. They will normally be fenced on all sides preferably by barbed wire—the lower strand at ankle height and the upper strand at waist height.

**Marking of Simulated Contaminated Areas**

11. The systems of marking simulated contaminated areas such as simulated minefields (or barriers) will be exactly the same as for those which are real.

**Special Radiological Marking Procedures**

12. The marking of radiologically contaminated areas merely indicates the presence of a hazard, the extent of which must be determined by newly arrived troops by means of instrument readings, surveys, or information from other units.

13. At the discretion of the commander, a radiologically contaminated area need not be marked when a military advantage would be obtained by not doing so. In such cases positive measures will be taken to warn other friendly forces of the existence of the radiologically contaminated area.

14. Signs are to be placed on all probable routes leading into contaminated areas at the points where the dose rate reaches 1 rad per hour measured at 1 metre above the ground. When the dose rate is above 1 rad per hour, signs showing the actual dose rate are to be placed on all probable routes leading into the contaminated area at the boundary.

15. Lower levels normally are not marked even though significant doses might be produced by long stays in areas of old contamination. Units planning prolonged stays in any area during a nuclear war should check the area with radiatic instruments regardless of whether it is marked.

16. Signs should be corrected or moved periodically to account for radioactive decay.

## ANNEXE A—continued

17. Commands leaving an area or otherwise giving up responsibility for an area are to leave perimeter signs in place. The command taking over responsibility for the area will continue the periodic correction or movement of the signs or remove them when they are no longer necessary.

18. Dumps for radiologically contaminated material are to be marked at inter-visible intervals around the perimeter.

**Size and Shape of Signs**

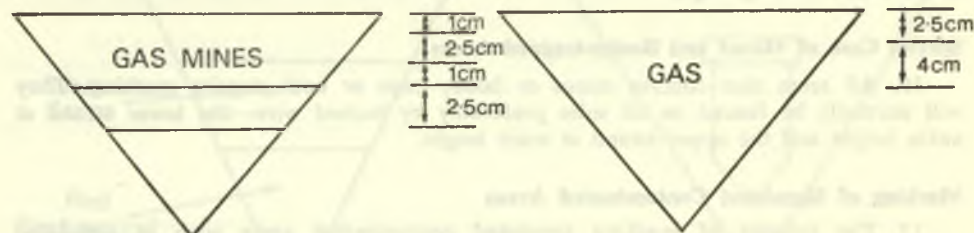
19. Existing stocks of coloured triangular signs of slightly divergent shapes and sizes will be retained and used until stocks are exhausted.

20. The triangle will be a right-angled isosceles triangle.

21. The base of the triangle will be approximately 28cm and the opposite sides will be approximately 20cm. These dimensions may be varied to suit local material.

22. Triangles will be made of metal, wood, plastic, composition board, or any other adequate material available.

23. The dimensions of lettering and width of stripes should be as specified below:

**Placing of Signs**

24. Signs will be placed above the ground, right-angled apex downwards on wire boundary fences, trees, rocks, poles or by putting the apex into the ground. This latter method should not be used if the other methods can be adopted as the signs might well be obscured by grass and other undergrowth. Further, they can be readily knocked down. The front side of the signs is to be posted facing away from the area marked in those cases where signs are posted within a contaminated area, the sign is to face away from the area of higher dose rate, or higher concentration, if such can be determined.

**Night Signing**

25. No standardisation for lighting of signs is specified. Each army will provide lighting or reflecting devices where deemed necessary.

**Part II—Non-martial Contaminations**

26. Non-martial contamination consists of that contamination resulting from latrines, garbage, soakage and refuse. These forms of contaminations will always be marked by rectangular signs which may be of any colour and any convenient size.

27. When closed, earth mounds will be placed on top of non-martial contaminations and the rectangular sign will be placed on top of the mound. The sign will indicate the type of pit, the date closed and, in non-operational areas, the unit designation.

(1600/202/154)

(Navy Order 395/72)

**Section 4****EQUIPMENT, STORES AND SERVICING**

## UNCLASSIFIED

**272/75—Deck Coverings in HMA Ships and Submarines—Policy**

1. The types of deck coverings fitted in HMA ships and submarines are constantly under review in an endeavour to improve their effectiveness and to reduce maintenance. This order promulgates the current policy for all types of deck coverings in accordance with NCM/1/L2—'Deck Coverings'. For new construction, conversion, etc, deck covering drawings will be prepared in accordance with this order. If departure is necessary to meet special circumstances approval should first be obtained from Director of Naval Ship Design, Department of Defence.

2. Deck coverings authorised for individual ships are shown in the relevant deck covering drawings. No departure is to be made from these drawings except when due to wear, etc, it is necessary to renew the covering over large areas of deck or in a complete compartment. In such cases, the policy contained in this order is to be followed and the deck covering drawings amended accordingly.

3. Where applicable, the colour of deck coverings is to be in accordance with the approved colour scheme for the ship.

4. Details of the various coverings are described in the Annexes to this order. The principal types are as follows:

- a. Vinyl tiles and sheeting (Annexe A).
- b. Epoxide resin compounds (Annexe B).
- c. Carpets (Annexe C).
- d. Ceramic tiles (Annexe D).
- e. Tread strips (Annexe E).
- f. Timber decking (Annexe F).
- g. Insulated matting (Annexe G).
- h. Paint.

5. Details of the various materials referred to in this order may be found in Annexe H—Defence Stock Numbers.

6. The following tabulation shows the required deck coverings for HMA ships and submarines:

Table A—Deck coverings (Surface Ships).

Table B—Deck coverings (Submarines).

**TABLE A**  
**Deck Coverings (Surface Ships)**

Compartment or Area	Location on Ship	Type of Deck Covering
<b>Aircraft Carriers</b>		
Weather Decks	.. Flight deck .. ..	Paint—non-skid
	Forecastle and quarter-deck	Timber
	Hangars .. ..	Paint—non-slip
	Open compass platform ..	Paint—non-slip and wood gratings
	Walkways and gun sponsons	Paint—non-slip and abrasive strip
<b>Other Fleet Ships</b>		
Weather Decks	.. Weather and forecastle deck, steel	Paint—non-slip and abrasive tread strip or epoxy non-skid paint
	Timber weather deck ..	Bare
	Open compass platform ..	Paint—non-slip and wood gratings
	Sloping weather decks and hazardous walking positions	Paint—non-slip and abrasive tread strips or epoxy non-skid paint
	Open bridges, signal decks, etc	Paint—non-slip and abrasive tread strips or epoxy non-skid paint
	Enclosed bridge ..	Vinyl asbestos tiles
<b>Support Craft</b>		
Weather Decks	.. Steel construction ..	Paint—non-slip and abrasive tread strip or epoxy non-slip paint
	Timber construction ..	Nil
	Aluminium construction ..	Paint—non-slip and abrasive tread strip or epoxy non-skid paint

**TABLE A—continued**

Compartment or Area	Location on Ship	Type of Deck Covering
	Plywood construction ..	Sheathed with resin and chopped mat coat of epoxy enamel with non-corrosive grit
	GRP construction ..	Epoxy enamel with non-corrosive grit
	Concrete construction ..	Nil
<b>All Ships in HMA Fleet</b>		
Habitability areas	.. Junior sailors recreation spaces and messes, lecture rooms, cells, canteens, sleeping quarters, all dining halls and connecting passages	Vinyl asbestos tiles
	Chapels, wardrooms, ante-rooms, officer cabins, CPOs and POs recreation spaces and messes	Vinyl asbestos tiles or carpet
	Flag Officers and Commanding Officers suites, senior officers cabins	Fitted carpet
	Where wardroom is used as emergency operating theatre	Fitted carpet laid on vinyl asbestos tiles
Offices	.. .. All offices, including signal, radar, w/t, pay, victualling, stores offices and similar spaces	Vinyl asbestos tiles
	Offices, Flag Officer and Commanding Officer	Fitted carpet
Passages and flats	.. Outside, over and leading to accommodation where reduction of noise is a requirement	Vinyl asbestos or flexible tiles. Where heavy wear is experienced at ladders or doorways, ribbed rubber matting is to be fitted
	Located anywhere in ship where noise reduction is <b>NOT</b> a requirement	Paint—non-slip and abrasive tread strips



TABLE A—continued

Compartment or Area	Location on Ship	Type of Deck Covering
Storerooms, etc	Storerooms and issue rooms normally occupied	Vinyl asbestos tiles in way of deck, serving counter, etc. Elsewhere, paint and abrasive tread strips
	Storerooms infrequently occupied	Paint—non-slip
	Flour stores, provision rooms, canteen stores, potato and vegetable stores	Paint—non-slip and tread strips
	Oxygen cylinder stores, LP gas cylinder stores	Zinc metal sprayed
Medical spaces	Sick bay generally, including surgeon's examination room, wards, dispensary, surgical dressing room, medical distribution stations, dental surgeries, operating theatre (large ships), surgery where used as operating theatre (small ships), and sick bay services compartment	Vinyl asbestos or flexible tiles
<b>Aircraft Carriers Only</b>		
	Operating theatre (where a separate compartment), ablution compartments and bathrooms	Ceramic tiles fully vitreous unglazed
Galleys, etc	Galleys, bakeries, pantries, Preparing rooms, serveries, sculleries, enclosed beef screen	Epoxide resin compound
	Galleys of Ton Class Minesweepers	Light weight ceramic tiles
Washplaces, heads, etc	Bathrooms, showers	<i>Aircraft carriers:</i> Ceramic tiles <i>Other Ships:</i> Epoxide resin compound in shower cubicles elsewhere vinyl asbestos or flexible tiles or sheet

TABLE A—continued

Compartment or Area	Location on Ship	Type of Deck Covering
	Cleansing stations—may be bath or shower room	Under investigation To be advised
	Heads, WCs	Vinyl asbestos tiles
	Laundries	Vinyl asbestos tiles or epoxide resin compound
	Bathrooms of Ton Class Minesweepers	Light weight ceramic tiles
Workshops, heavy	Engineers, blacksmiths, ordnance, plumbing, copersmiths workshops	Metal tread strips and bare metal deck
Workshops, light	Workshops where delicate instruments or sharp edged tools are used, including optical instrument room, shipwrights workshop	Vinyl asbestos tile in working areas where men stand. Elsewhere Paint—non-slip
Electrical compartments	Electrical workshop	Metal tread strips, and bare metal deck. Insulated matting to be provided in working areas
	Gyro adjusting rooms and workshops where high voltages are used, such as radar, W/T and electronics	Vinyl asbestos tiles in working areas. Rubber mats where men stand. Elsewhere Paint—non-slip
	Gyro compass room, telephone exchange, metadyne rooms, etc	Vinyl asbestos tiles
	Switchboard rooms, sonar instrument space and control rooms	Sheet flexible vinyl in working/maintenance areas. Vinyl tiles in remaining areas

TABLE A—continued

Compartment or Area	Location on Ship	Type of Deck Covering
Ammunition stowage and handling compartment	Magazines and shell rooms including handling rooms, bomb rooms, etc, 4.5" SL magazine, missile magazines and assembly rooms, gun bays, rocket repair rooms in aircraft carriers. Area of deck at top or revolving structure, cordite hoists in 4.5" Mark 6 turrets on which cartridge loading numbers stand. Torpedo pistol rooms—all torpedo storage in aircraft carriers	Zinc metal spraying or conductive epoxy
Photographic rooms ..	Office and printing rooms	Vinyl asbestos tiles or Paint—non-slip
	Developing rooms and chemical mixing rooms	Epoxide resin compound Aircraft carriers—ceramic tiles
Machinery spaces ..	Engine rooms, boiler room and auxiliary machinery spaces, floor plates	Bare chequered steel plate. New construction aluminium alloy positive grip pattern tread plates
Miscellaneous ..	Charthouse, wheel house, primary steering position, NBCD headquarters and section bases, chart and chronometer rooms, transmitting stations, compartments where deck is lagged such as action information centre, briefing rooms, ready rooms, aircraft control room, air direction room, radar display rooms, parachute packing rooms, operation room, etc	Vinyl asbestos tiles
	Drying rooms ..	Paint—non-slip
	Battery room, battery charging room and low power rooms	Paint—coal tar epoxy
	Refrigerated spaces ..	Plastic tread mats

TABLE A—continued

Compartment or Area	Location on Ship	Type of Deck Covering
Steering gear compartments, auxiliary machinery spaces, flats, etc	In any location ..	Paint—non-slip
Helicopter hangar and landing platform	Weather deck and hangar	Paint—non-skid

TABLE B  
Deck Coverings (Submarines)

Compartment or Area	Location on Ship	Type of Deck Covering
Weather decks ..	Casing superstructure decks: a. Steel b. GRP	Epoxy non-skid paint
Habitability area ..	Wardroom, COs cabin, senior rates mess, senior rates three berth cabins	Fitted carpet laid on vinyl flexible tiles, or vinyl flexible tiles laid on latex underlay as applicable. Bare steel areas to be paint—non-slip
	Accommodation space aft, messes	Vinyl flexible tiles laid on latex underlay. Bare steel areas to be paint—non-slip
Offices .. ..	Radar office, compass room	Vinyl flexible tiles laid on latex underlay
	Wireless office ..	50 mm fibreglass compressed to 35 mm. 22 mm fir wood deck and vinyl flexible tiles
Passages .. ..	Passageways .. ..	Vinyl flexible tiles laid on latex underlay
Storerooms .. ..	Cold and cool room ..	2 mm ALAL lining and portable ALAL plastic coated gratings
	Vegetable store ..	Paint—non-skid and portable ALAL plastic coated gratings
	Cool cupboards and other stores	Paint—non-slip
Galley, etc ..	Galley, aft end pantry and garbage ejector space	Epoxide resin compound

TABLE B—continued

Compartment or Area	Location on Ship	Type of Deck Covering
Washplaces, heads, etc ..	Bathrooms, WCs, and shower recesses	Epoxide resin compound
Ammunition stowage and handling compartment	Torpedo compartment ..	Paint—non-slip or vinyl flexible tiles as applicable. Needleloom felt mats fitted on trench covers and landing fwd of Bhd 34
Machinery spaces ..	Motor room ..	AL.AL deck plates covered with vinyl flexible tiles laid with an oil resisting adhesive onto a neoprene based underlay 12 mm thick
	Main generator room ..	AL.AL deck plates fitted with needleloom felt mats
	Auxiliary machinery space	Paint—non-slip
Miscellaneous ..	Control room ..	Vinyl flexible tiles laid on latex underlay. Bare steel areas to be paint—non-slip
	Battery compartments ..	3 mm thick acid resisting rubber
	'S' tank ..	Paint—non-slip

Note: Paint applied to the various decks is to be in accordance with ABR 19 (RAN) Painting Manual.

#### ANNEXE A

##### Vinyl Deck Coverings

1. Vinyl deck coverings laid on decks of HMA ships and submarines consist of the following types:

- a. Vinyl asbestos tiles.
- b. Vinyl flexible tiles.
- c. Vinyl flexible sheeting.

2. Adhesive and fillers used in laying vinyl deck coverings are as listed in Annex H (Defence Stock Numbers).

3. All compartments where vinyl deck coverings are specified shall have their decks prepared as follows:

- a. Steel Decks—In washplaces, heads, etc (where hotwater is used) the deck surface is to be cleaned to bare metal by abrasive blasting and, then after thoroughly cleaning, the deck is to be metal sprayed in accordance with ABR 19:

1st Coat .. Zinc is applied to give a metal thickness of .05 mm  $\pm$  .025 mm.

#### ANNEXE A—continued

2nd Coat .. Aluminium is applied to give an overall metal sprayed thickness of .127 mm  $\pm$  .025 mm.

In areas other than those above the surfaces are to be cleaned to bare metal by mechanical methods or abrasive blasting.

- b. Aluminium Decks—If smooth these decks are to be treated to provide a keying surface by wire brushing.
- c. GRP Decks—Shall be treated as for Aluminium—see b. above.
- d. Timber Decks—Shall be cleaned back to bare timber by scraping and/or sanding.

4. All compartments where skirting boards are specified or where the deck is to be coved up the bulkhead, the bulkheads or sides of the ship are to be cleaned to bare metal to a height of 250 mm and treated as for the associated deck.

5. It is essential from the top-weight aspect, that the vinyl coverings should be laid directly onto the deck wherever practicable. The use of latex cement underlays is to be kept to the minimum and is only to be used to form a fillet where covering is specified, or where the ship or class specification required the deck covering to have an underlay.

6. Any small irregularities in the deck surface are to be faired with epoxide putty.

7. Where specified, latex cement underlay is to be applied and allowed to cure in accordance with the manufacturers instructions. Care shall be taken to cover the deck completely and evenly with a minimum of air bubbles. The thickness of the underlay shall not exceed 6 mm at one application and shall be tightly packed into the joints of deck and bulkhead. Underlay shall also provide a fillet for covering where required. No traffic shall be allowed on the underlay during the cure and prior to laying of vinyl deck coverings.

##### Vinyl Asbestos Tiles

8. Generally vinyl asbestos tiles shall be fitted wherever possible when a decorative and durable finish is required. These tiles are harder and more resistant to marking than the flexible vinyls. Vinyl asbestos tiles are obtainable in 300 mm x 300 mm x 3 mm size and the currently held stocks are as listed in Annex H (Defence Stock Numbers). In way of ladders, doorways, etc, where heavy wear is experienced ribbed rubber matting is to be fitted.

##### Vinyl Flexible Tiles

9. Flexible vinyl tiles are only to be used, where specified, for special applications, eg, submarine decks or decks of surface vessels where noise reduction is a requirement. The tiles are laid in compartments and passageways adjacent to or above compartments where noise level is to be kept to a minimum. These tiles are available in 300 mm x 300 mm x 3 mm or 1.5 mm sizes.

##### Vinyl Flexible Sheeting

10. Vinyl sheeting 2.5 mm thick is to be fitted only for special applications as may be required in the ship or class specifications. The sheet is to be laid in accordance with the manufacturers recommendations and care should be taken to select the correct adhesive.

## ANNEXE A—continued

**Polishing**

11. Vinyl decks are to be polished with resin emulsion polish. The polish is applied to a thoroughly dry, clean deck in three even coats, using a lambswool applicator or mop. Each coat should take approximately five minutes to dry, but should be examined for evenness of drying before the next coat is applied. It should not be necessary to burnish the vinyl after application of the polish.

**Daily Maintenance**

12. a. Decks should be swept free of dust and grit daily or as required using a hair broom, or a deck sweep mop dampened with detergent solution (one part detergent to twenty parts water).
- b. When sweeping large areas it is advantageous to use sawdust sprinkled with detergent solution (one part detergent to eight parts water). Sweep the treated sawdust over the deck pushing the sawdust in front of the broom. This has the effect of gathering the dust and prevents it from rising and settling back on the deck which serves to clean the deck and give a polished appearance.
- c. When the deck is dry, burnish with a polishing machine.

**Removal of Accumulated Polish**

13. Resin emulsion polish has a high 'solids' content and if applied in a three coat system and given daily maintenance should provide a satisfactory coating for vinyl floors for a period of several days to several weeks depending on traffic. When re-application of polish is necessary, all old polish must be removed by the use of stripping solution. Using the manufacturers recommended concentration, spread the stripping solution over the deck with a mop and allow to stand for approximately five minutes, then mop off. Any areas where polish or soil is not removed, should be scrubbed with a stiff brush moistened with stripping solution. The floor is then wiped over with a mop dampened with clean warm water and allowed to dry. Three coats of resin emulsion polish are then applied as described under 'Polishing'. Stripping solutions, polishes and detergent solution should be applied sparingly to avoid penetration to the underside of the tiles. Do not use paste polish waxes or other solvent based waxes.

## ANNEXE B

**Epoxide Resin Deck Covering**

1. Epoxide resin deck covering, to NCM/5/L6 is supplied in colours of blue or green and has a mottled or flecked appearance due to the aggregate content. For details of epoxide resin deck covering materials, see Annex H (Defence Stock Numbers).

2. All compartments where epoxide resin deck coverings are specified shall have their decks prepared as follows:

- a. Steel decks—are to be cleaned to bare metal by abrasive blasting. If abrasive blasting is not possible the deck shall be prepared by removing scale with mechanical methods, grease and oil shall be removed by washing with detergent or mineral turpentine. The surface is then treated with phosphoric acid pretreatment solution. For application of phosphoric acid see ABR 19.

## ANNEXE B—continued

- b. Aluminium decks—are to be treated to provide a good keying surface by wire brushing.
- c. Timber decks—are to be free of oil and grease and shall be cleaned to bare timber by scraping and/or sanding.

3. The minimum thickness of epoxide resin deck covering shall be 6 mm. Laying and finishing shall be in accordance with manufacturers specifications as detailed in NCM/1/L2.

*Note:* Contact with uncured epoxy resin components particularly the hardener may cause dermatitis, and precautions should be taken at all times by use of barrier cream and protective gloves. Should the uncured resin or hardener come in contact with the skin it should be washed off immediately with soap and water. The use of powerful solvents is to be avoided.

## ANNEXE C

**Carpets**

1. The policy regarding supply of carpets to HMA ships and submarines is as follows, and the allowances are shown in the table below:

- a. Fitted carpets only are allowed in HMA ships and shall be made available for offices and sleeping quarters of Flag Officers and Commanding Officers and in the chancel, aisle and sanctuary of all ships fitted with a permanent chapel. Other spaces, such as Senior and Junior Officers and Senior Sailors cabins, wardrooms, Senior Sailors messes and recreation spaces shall be fitted with carpet as may be specified in the Ship or Class Specification.

**Right of Selection**

2. a. Flag Officers and Captains in Command shall have the right of selection from trade sources to a monetary limit of \$16, if the carpet available under Department of Works Period Contracts is considered unsuitable. Where the right of selection from trade sources is exercised, preference should be given to Australian manufactured carpet. However, where Australian carpet is not suitable, choice of imported carpet will be permitted. When a selection from trade sources is being made the SVSO, Sydney, should be consulted.
- b. Carpet required for Commanding Officers suites and offices, wardrooms and anterooms, chapels, Class 2, 3 and 4 cabins, Senior Sailors messes and recreation areas is to be purchased by the SVSO, Sydney, or the General Manager, Williamstown Dockyard, as appropriate, and is confined to the following types available under Department of Works contracts:
  - (1) 685 mm Australian Axminster 100 per cent wool, 2 ply.
  - (2) 685 mm Australian Axminster 80 per cent wool, 20 per cent nylon.
  - (3) 685 mm Twist pile, Wilton, 80 per cent wool, 20 per cent nylon.
  - (4) 685 mm Twist pile, Wilton, 80 per cent wool, 20 per cent nylon for heavy duty areas only.
- c. When exercising the right of selection, officers should ensure that the quality of the carpet chosen is consistent with the cost and that the colour chosen could reasonably be expected to be acceptable to their successors. Design and colour of an extreme character, also light or pastel shades are

## ANNEXE C—continued

excluded from the range of selection. If desired, the recommendations of the RAN Ship Habitability Committee can also be made available. When seeking the recommendations of the Committee, particulars of dimensions, existing colour scheme, trunking, etc, passing through the compartment, and any other special features should be forwarded to Department of Defence marked for the attention of Director of Naval Ship Design.

**Supply and Replacement**

3. In the case of ships which have been fitted out to an approved colour scheme, supply is restricted to the particular carpeting which is the carpet component of that scheme. In the normal course whether they are components of approved schemes or otherwise, carpets supplied on commissioning will not be replaced during the term of a commission if they are capable of further use after cleaning, dyeing, resewing, etc. Carpets found to be unfit for further service are to be surveyed and an appropriate certificate furnished by the surveying officers.

**Ships Commissioning for Short Service**

4. Ships commissioning for short service should demand only the minimum of carpet considered essential for the short term and the new carpets are not to be supplied if suitable used carpets are available for supply.

**Cleaning of Carpets**

- a. Fitted carpets should be dry powder cleaned in situ. Spot treatment with wet shampoo could be used to advantage on persistent stains.
- b. Application:
  - (1) For light cleaning shake powder onto the whole of the area affected (work in sections) 20 grams per square metre. Use more for heavily soiled areas.
  - (2) Thoroughly massage powder into the pile with a firm brush.
  - (3) Leave for twenty minutes and vacuum to remove all trace of powder. If trace of stain persists repeat procedure.
- c. Wet shampooing is considered more efficient but shrinkage restricts its use.
- d. Cans of wet shampoo and dry cleaning powder will be supplied by Superintending General Store Officer, Sydney, on receipt of demands indicating the area of carpet to be treated.
- e. Where carpets cannot be satisfactorily cleaned using the methods set out above, a cleaning service is provided for the commercial cleaning of carpets. Ships requiring this service should contact SVSO, Sydney, phone 660 1555, extension 220.

## ANNEXE D

## Ceramic Tiles

1. Ceramic tiles are laid on decks of HMA ships in accordance with NCM/1/L2 and are available in the following types:

- a. Vitreous unglazed tiles.
- b. Lightweight tiles.

## ANNEXE D—continued

**Vitreous Unglazed Tiles**

2. Vitreous unglazed tiles are to be fitted on decks of washplaces, heads, laundries, galleys, bakeries and similar spaces, as required by the Ship or Class Specification, of ships which have no top weight problem. The tile size is 100 mm x 100 mm.

**Deck Surface Preparation**

3. Deck plating is to be cleaned to bare metal free of rust, scale, oils, dirt, etc, and must be completely dry.

**Underlays**

4. Reinforced Cement—On decks of laundries, galleys, bakeries and associated spaces the underlay is to be reinforced cement. The underlay, mixed to the proportions of one part cement to three and a half parts sand by volume, shall be laid to a maximum thickness of 12 mm to give a fair surface. The underlay shall be reinforced with strong 2 mm galvanised wire mesh (75 mm), held in position by clips welded to the deck. Slag from the welds shall be cleared from the deck and not embedded in the cement. The mix shall be kept as dry as practicable to ensure that when smoothed no surface water is exuded.

*Note:* Cement underlay shall not be used on aluminium decking.

5. Cork Filled Latex Compound—In washplaces, heads and on aluminium decks cork filled latex underlay shall be laid to a maximum thickness of 9 mm to give a fair surface. Where thicknesses greater than 9 mm are required, eg, to fill hollows in deck, successive layers of not more than 9 mm thickness shall be laid, each layer shall be allowed to set before applying the next.

**Lightweight Ceramic Tiles**

6. Lightweight ceramic tiles are to be laid on decks in galleys and washplaces on Ton Class Minesweepers and other classes as may be approved in accordance with NCM/1/L2.

**Deck Preparations**

7. The existing deck covering is removed and the deck surface thoroughly cleaned to bare timber by scraping and sanding where necessary. Faulty caulking is to be repaired before the new deck covering is applied.

**Laying Tiles**

8. The tiles are secured to the deck using an approved adhesive which shall be prepared and applied to the surface in accordance with the manufacturers recommendations. The tiles are then carefully positioned and allowed to dry over night. Next morning the paper backing is removed and the unfilled joints between the tiles are to be grouted with the adhesive. Care should be taken to remove all excess adhesive before it hardens on the tile surface.

## ANNEXE E

## Tread Strips

1. Tread strips are fitted to decks and compartments in HMA ships and submarines where excessive wear is likely to occur and/or to provide good footing. The tread strips shall be fitted in accordance with ship or class specification. Tread strips are classified into the following categories:

- a. Tread strips for timber decks.
- b. Tread strips for metal decks.
- c. Abrasive tread strips.

## Timber Decks

2. Timber decks shall have tread strips of nickel silver fitted on the quarterdeck and galvanised mild steel elsewhere. The strips are secured to the deck by wood screws in way of doorways, hatches, ladders, etc.

## Metal Decks

3. Tread strips on steel decks of compartments shall be of mild steel strips 32 mm wide x 5 mm thick with 3 mm ribs and they are to be secured to the deck by full continuous weld. The steel strips are to be of chequered steel plating. On aluminium decks, tread strips shall be of aluminium welded to the deck.

## Abrasive Tread Strips

4. Abrasive tread strips are fitted on weather decks including gun sponsons and platforms, open bridges, signal decks, in such places as working areas around equipment and in walkways. If laid and maintained properly they will give good service, but cannot resist the abrasion caused by dragging heavy items of equipment or stores across them. This must be avoided by the use of planks or shot mats. Damaged or worn tread strips are to be replaced with new ones; tread strips once fitted should not be relaid.

5. The approved material for abrasive tread strips is wet-or-dry 'Safety Walk'. This material is self-adhesive, but a coating of contact adhesive is applied to the deck with a serrated spreader, and is used as an additional adhesive.

6. 'Safety Walk' is to be laid in convenient lengths not longer than 1,200 mm with a 50 mm spacing between adjacent butts and edges. Where mechanical damage is likely, eg, over plate laps, rivet heads, scuttles, at the base of ladders, outside doorways, etc, small lengths, as required, are to be used.

7. In the case of decks which are corroded sufficiently to prejudice the adhesion of abrasive tread strips, the pits are to be filled with an epoxy putty. The epoxy putty system is supplied in two containers, a base and a hardener and is described as 100 per cent solids. The system is non-inflammable and does not contain volatile solvents.

8. Containers should be kept tightly closed to prevent entry of foreign matter. The separate ingredients will last indefinitely without skimming and hardening in the cans. Avoid inter-changing of lids or contamination of base with hardener. Contact with skin should be avoided and care taken to wash hands with soap and water immediately after use. Tools and equipment should be cleaned promptly after use, preferably with a disposable rag or paper.

## ANNEXE E—continued

9. Abrasive tread strip is to be fixed in position:

- a. After application of two coats of zinc chromate primer PR5 on metal sprayed surfaces and coating of contact adhesive.
- b. After the second coat of coal tar epoxy paint (where heavy duty coating has been used) and a coating of contact adhesive.

10. Repairs to tread strips may be carried out by ships staff using 'Safety Walk' deck covering, in cleats 600 mm x 150 mm (Medium Type B self-adhesive). Contact adhesive will be supplied on demand.

11. Commanding Officers of ships concerned are to insert an item in their defect list to cover the work involved in first fitting or subsequent renewal.

## GRP Decks

12. The treatment for non-skid walkways on GRP decks is abrasive grit bonded to the deck surface with epoxy enamel. An initial sealant coat of epoxy paint shall be applied and allowed to dry. Within half an hour of application of a second coat of epoxy enamel, the area is sprinkled evenly with abrasive grit and allowed to dry overnight. When set the excess grit is brushed off. A third coat of epoxy enamel is applied to bind the grit and allowed to cure overnight before use by foot traffic. The abrasive grits used are to be of the non-corrosive type, eg, aluminium oxide or silicone carbide.

## ANNEXE F

## Timber Decking

1. With the exception of Ton Class Minesweepers and support craft, timber decking will not be fitted for new construction. In existing ship or class specifications where timber is specified, planks laid are generally to be of teak or other approved timber, planed on both faces and seamed. The edge seams are to be caulked with Oakum and laid with an approved marine glue pitch, or other approved material. The decking is to be fastened with mild steel studs fitted with galvanised mild steel slotted nuts and washers.

2. An alternative method of caulking is by using silicone rubber elastomers in a specially prepared groove. The preparation consists of machining plank edges and butts so that they form a rectangular groove. The surface of newly laid planks are usually uneven and it is imperative that they be level before caulking to avoid unnecessary waste of compound and to ensure that the correct depth of groove is maintained. After levelling the grooves are cut to the following dimensions:

Planking Width	Groove Width	Groove Depth
50 mm	6 mm	4.5 mm
100 mm	8 mm	7 mm
125 mm	10 mm	8 mm

3. To ensure good adhesion of primer the grooves must be perfectly dry and clean. Water may be eliminated by using radiators and other spots such as bitumen, oil, fats, etc, can be removed by successive brushing of trichlorethylene. Two coats of primer are applied, allowing one hour between coats. A strip of flat cotton expandable braid is fixed to the bottom of each groove one hour after applying the second coat of primer. A drying time of two hours is suitable, for an ambient temperature of 20° C,

## ANNEXE F—continued

prior to the application of the caulking compound. Cooler temperatures will require longer drying times. The groove is filled with caulking compound so that there is a slight excess which is forced further into the groove by trowelling. The trowelling operation must be carried out as soon as possible after the application of the compound as the surface commences to vulcanise three minutes after exposure to atmosphere. The caulked surface shall not be touched or walked on for at least sixteen hours and a vulcanisation period of four to eight days shall be allowed before sanding or pumicing operations begin. For details of caulking procedures see NCM/1/L2.

*Note:* Never end the working day of applying the second coat of primer, leaving the caulking until the following day, as overnight condensation may form in the groove and prevent good adhesion. Therefore work which cannot be finished the same day should be given the first coat of primer to prevent the ingress of moisture into the planking in way of the grooves. The following morning the grooves shall be washed by brushing them with trichlorethylene or methylated spirit and allowed to dry for half an hour before applying the second coat of primer.

## ANNEXE G

## Insulated Matting

1. Insulated matting to be provided on decks of HMA ships and submarines as protection against electric shock in accordance with the following policy:

- In switchboard rooms and similar compartments, where deck covering is required to provide protection from electric shock, sheet flexible vinyl is to be laid. Joins are to be kept to a minimum and should in no case occur near electrical equipment.
- Rubber insulating mats are to be supplied at benches in electrical workshops at which electrical testing supplies are terminated, and in compartments containing electrical equipment where protection from electric shock is required.
- Where tiles are already fitted in compartments containing electrical equipment, rubber mats or matting as appropriate to the space are to be permanently sited in front of equipment.

2. Rubber mats should be sufficiently large to ensure that a man cannot step off while touching electrical equipment. Butting edges, where unavoidable, should be in positions least likely to be stood upon by a man working on the equipment.

3. The matting becomes slippery when wet or contaminated with oil and care should be taken to avoid spillage of liquids. Oil will cause deterioration of the rubber and accidental contamination should be removed at once using a detergent.

## ANNEXE H

## Defence Stock Numbers

## Vinyl Deck Coverings

1. Adhesives and fillers used in laying vinyl deck coverings are as follows:

- |                  |   |
|------------------|---|
| 9320-66-085-1721 | Latex emulsion for vinyl asbestos tiles and vinyl flexible tiles (NCM/5.0/L1) |
| 9320-66-085-1716 | Natural rubber latex adhesive (NCM/5.0/L3) used in internal wet areas         |

## ANNEXE H—continued

- |                  |  |
|------------------|--|
| 8040-66-061-8839 | Epoxy adhesive for vinyl asbestos tiles, and vinyl flexible tiles (NCM/5.0/L2)                         |
| 7930-66-TSN-9501 | Epoxide putty for filling small irregularities (NCM/5.0/L5)  |
| 9320-66-085-1716 | Latex cement underlay to be used on submarines and only where specified on surface ships (NCM/5.0/L4). |

## Vinyl Tiles

2. a. Currently held stocks of tiles, for submarines only, are available in the following range of colours:

- |                  |  |
|------------------|--|
| 7220-66-061-1452 | Tile, Vinyl Resin, 12" x 12" x .080" thick, Putty          |
| 7220-66-061-1453 | Tile, Vinyl Resin, 12" x 12" x .080" thick, Deep Sea Green |
| 7220-66-061-1454 | Tile, Vinyl Resin, 12" x 12" x .080" thick, Wild Lime      |
| 7220-66-061-1455 | Tile, Vinyl Resin, 12" x 12" x .080" thick, Parchment      |
| 7220-66-061-1456 | Tile, Vinyl Resin, 12" x 12" x .080" thick, Morning Grey   |
| 7220-66-061-1461 | Tile, Vinyl Resin, 12" x 12" x .080" thick, Meadow Green   |

b. Currently held stocks for all surface ships are available in the following colours:

- |                  |   |                                 |
|------------------|---|---------------------------------|
| 7220-66-068-7161 | Tile, Vinyl Resin, 9" x 9" x .125" thick, Penguin Black                           | } Replacements for Patrol Boats |
| 7220-66-068-7162 | Tile, Vinyl Flexible, Blue-with-Fleck, Asbestos, 9" x 9" x $\frac{1}{8}$ " thick  |                                 |
| 7220-66-068-7163 | Tile, Vinyl Flexible, Green-with-Fleck, Asbestos, 9" x 9" x $\frac{1}{8}$ " thick | } DDGs                          |
| 7220-66-068-7164 | Tile, Vinyl Flexible, Grey-with-Fleck, Asbestos, 9" x 9" x $\frac{1}{8}$ " thick  |                                 |
| 7220-66-068-7165 | Tile, Vinyl Flexible, Red-with-Fleck, Asbestos, 9" x 9" x $\frac{1}{8}$ " thick   | } DDGs                          |
| 7220-66-068-7166 | Tile, Vinyl Flexible, White-with-Fleck, Asbestos, 9" x 9" x $\frac{1}{8}$ " thick |                                 |
| 7220-66-061-6978 | Tile, Vinyl Resin, 9" x 9" x $\frac{1}{16}$ " thick, White                        | } DDGs                          |
| 7220-66-061-6979 | Tile, Vinyl Resin, 9" x 9" x $\frac{1}{16}$ " thick, Red                          |                                 |
| 7220-00-543-7156 | Tile, Vinyl Resin, 9" x 9" x .080" thick, Grey-with-Black and White               | } DDGs                          |
| 7220-00-543-7158 | Tile, Vinyl Resin, 9" x 9" x .080" thick, Charcoal-with-Red and White             |                                 |

c. With the change-over to metrication a standard range of tiles will apply and be available in the following colours:

- |                  |   |
|------------------|---|
| 7220-66-085-3075 | Tile, Vinyl Resin, Black-with-Fleck, 300 x 300 x 3 mm thick |
|------------------|---|

## ANNEXE H—continued

7220-66-085-3076	Tile, Vinyl Resin, Blue-with-Fleck, 300 x 300 x 3 mm thick
7220-66-085-3077	Tile, Vinyl Resin, Green-with-Fleck, 300 x 300 x 3 mm thick
7220-66-085-3078	Tile, Vinyl Resin, Grey-with-Fleck, 300 x 300 x 3 mm thick
7220-66-085-3079	Tile, Vinyl Resin, Red-with-Fleck, 300 x 300 x 3 mm thick
7220-66-085-3080	Tile, Vinyl Resin, White-with-Fleck, 300 x 300 x 3 mm thick
7220-66-085-3081	Tile, Vinyl Resin, Red-with-Fleck, 300 x 300 x 1.5 mm thick
7220-66-085-3082	Tile, Vinyl Resin, White-with-Fleck, 300 x 300 x 1.5 mm thick.

## Vinyl Sheeting

3. Currently held stocks are as follows:

7220-66-061-1457	Floor coverings, Vinyl Resin, 36" x 30' rolls x .080" thick
7220-66-061-1458	Floor coverings, Vinyl Resin, 36" x 30' rolls x .080" thick.

## Polishing Vinyl Decks

4.

7930-66-085-7002	Resin, emulsion polish
0474-862	Detergent
7930-66-060-2499	Stripping Solution.

## Epoxy Resin Deck Coverings

5. Epoxy resin deck covering materials consist of:

8040-66-061-8839	Epoxy Primer
5610-66-061-8843	Epoxy Resin Deck Covering System—Blue
5610-66-061-8844	Epoxy Resin Deck Covering System—Green.

## Cleaning of Carpets

6. The materials used for carpet cleaning are as follows:

7930-66-044-7997	Shampoo Liquid
7930-66-044-7998	Cleaning Powder.

## Abrasive Tread Strips

7.

8040-66-064-6414	Contact Adhesive.
------------------	-------------------

Wet or dry 'Safety Walk' is available from Naval Stores as follows:

7220-66-076-0101	Safety Walk deck covering, Type B, Self-adhesive in rolls 20 metres long by 600 mm wide
7220-66-076-0100	Safety Walk deck covering in cleats 600 mm x 150 mm, Medium, Type B, Self-adhesive
7220-66-076-0102	Safety Walk deck covering in cleats, Type D, Course grade granulated.

## ANNEXE H—continued

## Insulated Matting

8. Currently held stocks are available as follows:

7220-00-267-4630	Matting, Floor, Rubber, 36" wide x .188" thick, diamond corrugation design, Colour Grey
7220-66-058-2993	Matting, Floor, Rubber ribbed, ½" thick x 4' wide x 18' long
7220-66-063-1859	Mat, Floor, Rubber and Cotton, 42" x 30" x 0.375" thick, Colour Black.

(1211/51/178)

## UNCLASSIFIED

## 273/75—Demands for Stores—Use of Fill or Kill Facility

1. The facility to demand stores from supply depots on a 'Fill or Kill' basis was introduced by Navy Order 145/75 and clarified by 213/75. As further clarification has become necessary the procedure for demanding stores by the 'Fill or Kill' method is promulgated below.

2. Stores can be demanded on a 'Fill or Kill' basis whenever this is considered appropriate.

3. 'Fill or Kill' demands can be submitted by demanding authorities by insertion of code '3' in the Due Code block of Forms SX38 and SX39 for items 'on EDP' and by insertion of the notation 'Fill or Kill' in the remarks box of Forms SX38, SX39 and SX40 for items 'not on EDP' and on Form SX40 for items 'on EDP' when EDP is by-passed.

## Stores 'On EDP'

4. For items 'on EDP' this will result in either an issue voucher being sent to the appropriate supply depot or cancellation of the demand. If the demand is cancelled (or killed) a Deferred Supply Advice will be forwarded to the demanding authority showing zero quantity due out. It should be noted that these 'Fill or Kill' demands are subject to the same re-reference and reject action that applies to all other demands and will be rejected if an error is made in preparation.

## Stores not 'On EDP'

5. 'Fill or Kill' demands for stores not 'on EDP' will be progressed in the normal manner by the depot concerned except that if stock is not immediately available to meet the requirement, dues out will not be recorded and the demand will be rejected.

## Materiel Drawn from Supply Depots by Ship's Staff During SOAP

6. All demands raised by ship's staff during SOAP are to be 'Fill or Kill' and are only to be for quantities necessary to meet immediate requirements (ABR 5153 Article 0906 refers). The agreement of the Officer-in-Charge SOAP is to be obtained should it be considered necessary to submit such demands on other than a 'Fill or Kill' basis.

7. ABR 4 and ABR 5153 will be amended.

8. Navy Orders 145/75 and 213/75 are hereby cancelled.

(N383/1/5)

(Navy Orders 145/75 and 213/75)



## RESTRICTED

274/75—Introduction—Survival Support Devices—HMA Submarines—  
Class 4240

1. It has been decided to introduce the undermentioned items into Service for use in HMA submarines (RAN S/M A and A No 77 refers):

Class	Catalogue No	Description	Unit of Issue	Acctg Classn
4240	00-022-1048	BREATHING APPARATUS, SELF-CONTAINED	EA	P

2. The provision of these small, independent breathing devices will allow early remedial action to be taken in the case of outbreaks of minor fires on board HMA submarines. In the event of a major incident, the provision of these devices in the engine room/motor room will allow machinery watchkeepers to remain in position to tend machinery whilst emergency surfacing or other safety procedures are carried out, thus precluding the possibility of machinery damage.

3. Allowances and proposed stowages are as follows:

Class	Catalogue No	Description	Allowance	
			Per Sub	HMAS PLATYPUS
4240	00-022-1048	BREATHING APPARATUS, SELF-CONTAINED	12	—
4240	00-106-7164	RECHARGE KIT	—	100
4240	66-089-0067	BOOSTER CHARGING STATION	—	1
4240	66-089-0068	FILL TOOL	—	1
4240	66-089-0069	RECOCKING TOOL	—	1

## STOWAGE—Submarines

4. The units are to be fitted in the control room, engine room and motor room in accordance with Department of Defence (NAVY) Drawing No 163G/1008/003. A maintenance schedule will be issued in conjunction with the A and A. Total number of units—6 (plus 6 spare replacement units). A central maintenance and recharging section is to be set up at HMAS PLATYPUS.

(1/4240/36)

**RESTRICTED**

2049

**RESTRICTED**

The Administration Control System (ACS) is a system of procedures and forms designed to control the flow of information and materials between the various departments of the organization.

The system is designed to provide a means of controlling the flow of information and materials between the various departments of the organization.

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**REFERENCES:**

The system is designed to provide a means of controlling the flow of information and materials between the various departments of the organization.

ANOs 275/75-281/75



Historian  
Victoria Barracks  
Melbourne

# AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,  
10 October 1975.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

## CONTENTS

No	Title
SECTION 4—EQUIPMENT, STORES AND SERVICING	
275/75	Uniform and Clothing Issuing Prices—Annual Revision.
276/75	RAN, RANR and NRC Officers' and Chaplains' Made-to-Measure Uniforms at Melbourne, Sydney, Perth and Brisbane—1975-76.
277/75	Replacing and Alteration of Lacing of Uniforms, Etc of RAN and RANR Officers at Melbourne and Sydney—1975-76.
278/75	Made-to-Measure Uniforms for Sailors, RAN, RANR and NRC at Melbourne, Sydney, Perth and Brisbane—1975-76.
279/75	Naval Police Made-to-Measure Uniforms at Melbourne, Sydney and Perth—1975-76.
280/75	Made-to-Measure Uniforms for RANNS and WRANS Officers and WRANS at Melbourne and Sydney—1975-76.
281/75	Made-to-Measure Uniforms—Availability of Australian Government Clothing Factory Representatives in Sydney, Brisbane and Canberra for Try On of Uniforms.

**Additional copies of Navy Orders may be readily obtained by:**

- signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- telephoning Navy Office, Canberra 65 4718.

## Section 4

## EQUIPMENT, STORES AND SERVICING

## UNCLASSIFIED

**275/75—Uniform and Clothing Issuing Prices—Annual Revision**

1. The issuing prices of uniform and clothing have been revised with effect from 1 July 1975. Copies of the pamphlet 'Official Memorandum—Prices of Clothing, etc, Maintained for Issue to Ships' Companies', together with copies of the poster, showing the revised prices have been distributed to all HMA ships and establishments. Further copies may be obtained, if required, on application to the Director of Naval Victualling and General Stores, Department of Defence (Navy Office), Melbourne.

2. Copies of the poster are to be displayed in positions which will permit scrutiny by ships' companies.

3. Details of arrangements made for the supply of made-to-measure garments are being promulgated in Navy Orders being issued concurrently with this order. Copies of the contracts have been distributed to HMA ships and establishments in the areas concerned.

4. Orders concerning sailors are being reprinted for posting on notice boards.

(901/66/25)

## UNCLASSIFIED

**276/75—RAN, RANR and NRC Officers' and Chaplains' Made-to-Measure Uniforms at Melbourne, Sydney, Perth and Brisbane—1975-76**

1. The official contractors for made-to-measure uniforms for RAN, RANR and NRC Officers and Chaplains are listed in the following Annexes:

*Sydney*

a. Contractor for Mess Dress and Uniform Clothing manufactured from White Polyester/Viscose Material:

Annexe A. RAN, RANR and NRC Officers } Norman Harris Pty Ltd,  
Shop C, 39 Church Street,  
LIDCOMBE NSW 2141

b. Contractor for Mess Dress and Uniform Clothing manufactured from Blue Material:

Annexe B. RAN, RANR and NRC Officers }  
Annexe C. Chaplains .. .. } Swedex Clothing Pty Ltd,  
480 Elizabeth Street,  
SURRY HILLS NSW 2010

*Perth*

Annexe D. RAN, RANR and NRC Officers .. K. H. McAullay & Co.,  
370 Murray Street,  
PERTH WA 6000

Brisbane

Annexe E. RAN, RANR and NRC Officers .. M. Leiboff and Son,  
95 Brunswick Street,  
FORTITUDE VALLEY QLD  
4006

Melbourne

Annexe F. RAN, RANR and NRC Officers .. I. L. Wise of Melbourne Pty Ltd,  
360 Little Bourke Street,  
MELBOURNE VIC 3000

Annexe G. RAN and RANR Officers .. } The Australian Government  
Annexe H. Chaplains .. } Clothing Factory,  
14 Gaffney Street,  
COBURG VIC 3058

2. Terms of the contracts are as follows:

Norman Harris Pty Ltd .. .. .	..	..	..	Nett
Swedex Clothing Pty Ltd .. .. .	..	..	..	1½%—30 days
K. H. McAullay and Co. .. .. .	..	..	..	Nett
M. Leiboff and Son .. .. .	..	..	..	Nett
I. L. Wise of Melbourne Pty Ltd ..	..	..	..	2½%—30 days, 25% of full price deposit
Australian Government Clothing Factory	..	..	..	Nett FOR/FOB Melbourne

3. The conditions governing the purchase of uniforms under these contracts are contained in ABR 93, Chapter 26.

4. Navy Order 25/75 is hereby cancelled.

ANNEXE A

Norman Harris Pty Ltd—Made-to-Measure Uniforms—1975-76

Part 1

All Ranks	Cloth, Polyester/ Viscose, White	Cloth, Cotton Marcella
	\$	\$
Coat, Man's, Bush, Polyester/Viscose, White (for Commander and above)	39.75	—
Coat, Man's, Polyester/Viscose, White, Officer, with Gilt Buttons	24.90	—
Coat, Man's, Polyester/Viscose, White, Officer, without Gilt Buttons	23.00	—
Jacket, Man's, Mess, Polyester/Viscose, White, Officer, with Gilt Buttons	21.55	—
Jacket, Man's, Mess, Polyester/Viscose, White, Officer, without Gilt Buttons	20.10	—
Trousers, Men's, Officer	16.75	—
Vest, Man's, Mess, Officer	—	18.33

ANNEXE B

Swedex Clothing Pty Limited—Made-to-Measure Uniforms for Officers—1975-76

Part 1

Rank	Cloth, Wool, Barathea No 2			Cloth, Wool/ Polyester, Blue
	Coat, Undress	Coat, Undress, Tail	Jacket, Mess	Coat, Undress
	\$	\$	\$	\$
<b>RAN—</b>				
Officer (Unlaced) .. .. .	68.03	—	62.23	61.70
Sub-Lieutenant .. .. .	81.29	—	76.59	75.06
Lieutenant .. .. .	82.29	—	77.59	76.06
Lieutenant-Commander .. .. .	84.19	—	78.39	77.86
Commander .. .. .	84.99	—	79.19	78.66
Captain .. .. .	85.99	130.00	80.19	79.66
Commodore .. .. .	85.99	127.00	80.19	79.66
Rear-Admiral .. .. .	85.00	148.00	89.00	84.00
Vice-Admiral .. .. .	89.50	132.00	93.50	87.50
<b>RANR—</b>				
Sub-Lieutenant .. .. .	81.29	—	76.59	75.06
Lieutenant .. .. .	82.29	—	77.59	76.06
Lieutenant-Commander .. .. .	84.19	—	78.39	77.86
Commander .. .. .	84.99	—	79.19	78.66
<b>NRC—</b>				
Sub-Lieutenant .. .. .	80.71	—	—	74.74
Lieutenant .. .. .	81.79	—	—	75.74
Lieutenant-Commander .. .. .	83.69	—	—	77.46

Note: The above prices include the cost for sewing on shoulder flashes 'Australia' with the exception of Vice-Admiral and Rear-Admiral and Naval Reserve Cadets.

## ANNEXE B—continued

## Part 2

All Ranks	Cloth, Wool Barathea No 2	Cloth, Wool/ Polyester, Blue
	\$	\$
Trousers, Men's, Officer .. .. .	24.23	22.87
Trousers, Men's, Officer (with gold lace) .. .. .	57.73	55.81
Trousers, Men's, Mess, Officer .. .. .	25.73	23.87
Vest, Man's, Mess, Officer .. .. .	21.00	19.50

- Notes: 1. Addition of distinction cloth—\$0.50 per coat.  
 2. Addition of Decoration and Medal Ribbons (to be supplied by officers)—\$1.50 complete.  
 3. Addition of attachment for Aiguillettes (to be supplied by officers)—\$2.00 per coat.  
 4. Sewing on of letter 'R'—\$1.50 per coat.

## ANNEXE C

## Swedex Clothing Pty Limited—Made-to-Measure Uniforms for Chaplains—1975-76

Item	Price
	\$
Coat, Man's, Undress (without gold lace)—	
Cloth, Wool, Barathea No 2 .. .. .	68.03
Cloth, Wool, Polyester .. .. .	61.70
Trousers, Men's, Officer—	
Cloth, Wool, Barathea No 2 .. .. .	24.23
Cloth, Wool, Polyester .. .. .	22.87
Jacket, Dinner—	
Cloth, Wool, Barathea No 2 .. .. .	62.23

## ANNEXE D

## K. H. McAullay and Co, Perth—Made-to-Measure Uniforms for RAN, RANR and NRC Officers—1975-76

All Ranks	Price
	\$
Coat, Man's, Polyester/Viscose, White, without buttons .. .. .	46.25
Coat, Man's, Undress (Unlaced) .. .. .	74.80
Trousers, Men's, Cloth, Polyester/Viscose, White .. .. .	23.00
Trousers, Men's, Cloth, Wool, Barathea No 2 .. .. .	27.10

Note: Additional costs for:

## 1. Lacing and shoulder straps:

Rank	Coat, Undress		Shoulder Straps	
	Machine Sewn	Hand Sewn	Machine Sewn	Hand Sewn
	\$	\$	\$	\$
Sub-Lieutenant .. .. .	13.35	20.35	5.75	10.80
Lieutenant .. .. .	19.35	26.35	6.35	11.40
Lieutenant-Commander .. .. .	19.35	26.35	6.35	11.40
Commander .. .. .	25.45	33.45	6.95	12.00
Captain .. .. .	29.50	37.50	8.45	13.50

## 2. Alteration to lacing and shoulder straps on promotion or conversion:

Rank	Coat, Undress		Shoulder Straps	
	Machine Sewn	Hand Sewn	Machine Sewn	Hand Sewn
	\$	\$	\$	\$
Sub-Lieutenant .. .. .	13.35	20.35	5.75	10.80
Lieutenant .. .. .	19.35	26.35	6.35	11.40
Lieutenant-Commander .. .. .	19.35	26.35	6.35	11.40
Commander .. .. .	25.45	33.45	6.95	12.00
Captain .. .. .	29.50	37.50	8.45	13.50

3. Affixing of letter 'R' (2 per uniform)—\$2.50 per uniform.  
 4. Affixing of distinction cloth between rows of gold lace—\$3.50 per strip.  
 5. Affixing shoulder flashes 'Australia'—\$2.50 per pair.

ANNEXE E

M. Lieboff and Son, Brisbane—Made-to-Measure Uniforms for RAN, RANR and NRC Officers—1975-76

Item of Uniform	Cloth, White, Polyester/Viscose	Cloth, Wool Barathea No 2	Cloth, Wool/Polyester, Blue
	\$	\$	\$
Coat, Man's, Undress, Officer (unlaced)	—	86.57	79.44
Coat, Man's, White, Polyester/Viscose, with Gilt Buttons	40.08	—	—
Coat, Man's, White, Polyester/Viscose, without Gilt Buttons	37.99	—	—
Trousers, Men's, Officer	21.09	24.25	20.44

Notes: 1. Official orders may be lodged for blue undress uniforms only.

2. Additional costs for:

a. Affixing gold lace to coat, undress:

Rank	RAN and RANR	NRC
	\$	\$
Sub-Lieutenant .. per coat	16.57	16.57
Lieutenant .. per coat	25.43	25.43
Lieutenant-Commander .. per coat	30.97	30.97
Commander .. per coat	34.27	—
Captain .. per coat	42.36	—

b. Affixing shoulder flashes 'Australia' (gold woven)—\$0.81 per uniform.

c. Affixing shoulder flashes 'Australia' (blue on white woven)—\$0.75 per uniform.

d. Affixing rank or branch badge (badge to be supplied by individual)—\$0.60 per uniform.

e. Affixing medal ribbons (ribbons to be supplied by individual)—\$2.00 per uniform.

f. Affixing shoulder flashes, NRC (gold woven)—\$0.92 per uniform.

ANNEXE F

I. L. Wise of Melbourne—Made-to-Measure Uniforms for RAN, RANR and NRC Officers—1975-76

All Ranks	Cloth, Wool, Barathea No 2	Cloth, Wool, Polyester, Blue
	\$	\$
Coat, Man's, Undress, Officer (Unlaced)	66.00	59.44
Jacket, Mess, Officer (Unlaced)	66.28	—
Vest, Mess, Officer	18.89	—
Trousers, Men's, Officer	22.56	17.80
Trousers, Men's, Mess, Officer	23.24	—

Note: Additional costs for:

1. Affixing gold lace to Undress Coats and Mess Jackets:

	RAN and RANR	NRC
	\$	\$
Captain ..	36.45	—
Commander ..	31.64	—
Lieutenant-Commander ..	28.16	30.52
Lieutenant ..	24.58	26.93
Sub-Lieutenant ..	18.09	22.90

2. Sewing on of distinctive cloth:

Captain ..	3.80 per coat
Commander ..	2.68 per coat
Lieutenant-Commander ..	2.68 per coat
Lieutenant ..	1.56 per coat
Sub-Lieutenant ..	1.56 per coat

3. Affixing letters 'R' to RANR uniform .. 3.58 per coat

4. Affixing shoulder flashes 'Australia' .. 1.62 per coat

5. Sewing on of medal ribbons (ribbons to be provided by individual) .. 1.62 per coat

6. Affixing gorget patches to Midshipmen's uniform 6.26 per coat



## ANNEXE G

Australian Government Clothing Factory, Melbourne—Made-to-Measure Uniforms  
for Officers—1975-76

## Part 1

Rank	Cloth, Wool, Barathe No 2		
	Coat, Man's, Undress, Officer	Jacket, Man's, Mess, Officer	Shoulder Straps (Per Pair)
	\$	\$	\$
Officer (Unlaced)	51.51	78.00	—
Midshipman (with white turn backs)	54.41	81.74	3.74
Sub-Lieutenant	68.84	95.33	15.11
Lieutenant	78.09	104.58	16.77
Lieutenant-Commander	83.85	110.34	18.35
Commander	87.35	113.84	18.52
Captain	96.60	123.09	20.27
Commodore	71.35	97.84	17.07
Rear-Admiral	82.10	108.59	48.04
Vice-Admiral	91.30	117.79	51.00

Note: The price of a Coat, Man's, Undress, Tail, Officer, is available on application to the Australian Government Clothing Factory.

## Uniforms for Officers—RANR:

The above schedule of prices is applicable, with the addition of \$1.84 per garment or per set of shoulder straps for the addition of letter 'R'.

- Notes: 1. Affixing shoulder flashes 'Australia'—\$0.90 per coat.  
2. The above prices include the cost of distinction cloth between lace where required.

## ANNEXE G—continued

## Part 2

## All Officer Ranks

Price Per  
Garment  
\$

Coat, Man's, Bush, Polyester/Viscose, White (for Commander and above) with Gilt Buttons	50.90
Coat, Man's, Polyester/Viscose, White, Officer, with Gilt Buttons	32.87
Coat, Man's, Polyester/Viscose, White, Officer, without Gilt Buttons	31.74
Jacket, Man's, Mess, Polyester/Viscose, White, Officer, with Gilt Buttons	31.04
Jacket, Man's, Mess, Polyester/Viscose, White, Officer, without Gilt Buttons	29.79
Raincoat, Man's, Wool/Polyester, Gabardine, Officer	56.05
Trousers, Men's, Polyester/Viscose, White, Officer	15.00
Trousers, Men's, Wool, Barathe No 2, Officer*	21.00
Trousers, Men's, Mess, Wool, Barathe No 2, Officer*	26.52
Vest, Man's, Mess, Cotton, Marcella, White, Officer	22.00
Vest, Man's, Mess, Wool, Barathe No 2, Officer	27.00
Lace, Gold, $\frac{3}{16}$ " (complete with curl, ready for placing on cuffs)	11.04
	(per pair)
Lace, Gold, $\frac{1}{2}$ " (complete with curl, ready for placing on shoulder)	5.71
	(per pair)

Note: Permanent creasing, by SI-RO-Set method, of trousers marked \* can be effected, if desired, at an additional cost of \$1.50 per pair.

## ANNEXE H

Australian Government Clothing Factory, Melbourne—Made-to-Measure Uniforms  
for Naval Chaplains

Item	Price Per Garment \$
Coat, Man's, Undress, Black Serge Cloth (without gold lace)	54.05
Coat, Man's, Undress, Blue, Barathe No 2	51.51
Trousers, Men's, Black Serge Cloth	21.00
Trousers, Men's, Blue, Barathe No 2	21.00

(901/66/25)

(Navy Order 27/75)

## UNCLASSIFIED

277/75—Relacing and Alteration of Lacing of Uniforms, Etc, of RAN and  
RANR Officers at Melbourne and Sydney—1975-76

- The prices applicable to relacing and alteration of lacing effected to RAN and RANR Officers' uniforms, etc, in Sydney are detailed in Annexe A to this order. The official contractor is Segrave Pty Ltd, 810 George Street, Sydney.
- Firm prices are not available from the Australian Government Clothing Factory, 14 Gaffney Street, Coburg VIC 3058, but a quotation may be obtained on application.
- Navy Order 26/75 is hereby cancelled.

## ANNEXE A

## Relacing and Alteration of Lacing of Uniforms, etc, 1975-76—N. Segal, NSW

	Relacing*		Alteration	
	Coat, Undress and Jacket, Mess	Shoulder Straps	Coat, Undress and Jacket, Mess	Shoulder Straps
	\$	\$	\$	\$
<i>On Promotion:</i>				
Sub-Lieutenant .. .. .	20.33	18.50	—	—
Lieutenant .. .. .	28.92	21.00	15.70	15.00
Lieutenant-Commander .. .. .	32.91	23.00	20.07	16.50
Commander .. .. .	37.96	23.50	22.60	16.75
Captain .. .. .	48.86	26.00	27.31	16.75
Commodore .. .. .	28.80	—	32.56	—
Rear-Admiral .. .. .	31.80	—	19.27	—
Vice-Admiral .. .. .	42.57	—	23.27	—
<i>With Distinction Cloth Between Lace:</i>				
Sub-Lieutenant .. .. .	20.68	18.85	—	—
Lieutenant .. .. .	29.27	21.35	16.05	15.35
Lieutenant-Commander .. .. .	33.26	23.35	20.42	16.85
Commander .. .. .	38.31	23.85	22.96	17.10
Captain .. .. .	49.21	26.35	27.66	17.10
<i>On Reversion To:</i>				
Sub-Lieutenant (from A/Lieutenant) ..	20.33	18.50	7.43	10.50
Lieutenant (from A/Lieutenant-Com- mander) .. .. .	28.92	21.00	10.95	12.50
Lieutenant-Commander (from A/Com- mander) .. .. .	32.91	23.00	15.50	14.70
Commander (from A/Captain) ..	37.96	23.50	7.43	10.50
<i>With Distinction Cloth Between Lace:</i>				
Sub-Lieutenant (from A/Lieutenant) ..	20.68	18.85	7.78	10.85
Lieutenant (from A/Lieutenant-Com- mander) .. .. .	29.27	21.35	11.30	12.85
Lieutenant-Commander (from A/Com- mander) .. .. .	33.26	23.35	15.85	15.05
Commander (from A/Captain) ..	38.31	23.85	7.78	10.85

\* Removal of existing lace and relacing with all new lace.

- Notes: 1. Additional cost for affixing letter 'R' in curl of lace—\$2.20 per uniform.  
2. Additional cost of sewing on 'Australia' flashes—\$1.00 per uniform.

(901/66/25)

(Navy Order 26/75)

## UNCLASSIFIED

## 278/75—Made-to-Measure Uniforms for Sailors, RAN, RANR and NRC at Melbourne, Sydney, Perth and Brisbane—1975-76

1. The official contractors for made-to-measure uniforms for RAN sailors for 1975-76 are:

Sydney .. .. . *Primary Contractor:*  
Norman Harris Pty Ltd,  
Shop C, 39 Church Street,  
LIDCOMBE NSW 2141

*Secondary Contractors:*  
Swedex Clothing Pty Ltd,  
480 Elizabeth Street,  
SURREY HILLS NSW 2010

N. Segal,  
555 Old South Head Road,  
ROSE BAY NSW 2029

Perth .. .. . Mr K. H. McAullay,  
370 Murray Street,  
PERTH WA 6000

Brisbane .. .. . M. Leiboff and Son,  
95 Brunswick Street,  
FORTITUDE VALLEY QLD 4006

Melbourne .. .. . Australian Government Clothing Factory,  
14 Gaffney Street,  
COBURG VIC 3058

2. The prices which will operate during the period 1 August 1975 to 30 June 1976 are listed in Annexe A.

3. Terms of the contracts are as follows:

AGCF .. .. .	..	..	..	..	Nett FOR-FOB, Melbourne
Norman Harris Pty Ltd .. .. .	..	..	..	..	Nett
N. Segal .. .. .	..	..	..	..	2½%—30 days
Swedex Clothing Pty Ltd .. .. .	..	..	..	..	1½%—30 days
K. H. McAullay .. .. .	..	..	..	..	Nett
M. Leiboff and Son .. .. .	..	..	..	..	Nett

4. The conditions governing purchases of uniforms under these contracts are contained in ABR 93, Chapter 26.

5. Sailors are warned that they themselves are responsible for ensuring that uniforms obtained under these contracts or from private outfitters are made strictly to the approved patterns and that they are liable to disciplinary action if incorrect uniform is worn.

6. This order will be reprinted for posting on notice boards.

7. Navy Order 23/75 is hereby cancelled.

ANNEXE A  
Sailors—Class I, II and III

278/75

Items of Uniform	Norman Harris Pty Ltd, Sydney	Swedex Clothing Pty Ltd, Sydney	N. Segal Sydney	K. H. McAullay, Perth	M. Leiboff and Son, Brisbane	AGCF, Melbourne
	\$	\$	\$	\$	\$	\$
BLAZER, MAN'S, CLOTH, wool, flannel, worsted, blue, single breasted, pockets, unbadged, Junior Recruits (Officer Candidate)	—	—	—	64.45	—	—
COAT, MAN'S, CLOTH, wool, serge No 2, double breasted, with gilt buttons, CPO	57.37	65.73	—	78.90	89.24	81.65
COAT, MAN'S, CLOTH, wool, serge No 2, double breasted, with gilt buttons, PO	56.87	65.73	—	78.90	87.81	79.67
COAT, MAN'S, CLOTH, wool, serge No 2, double breasted, with gilt buttons, w/o cuff buttons	—	—	—	—	—	51.91 (stock size)
COAT, MAN'S, CLOTH, wool, serge No 2, double breasted, with gilt buttons, Senior Instructor, NRC	57.37	65.13	—	78.90	89.24	—
COAT, MAN'S, CLOTH, wool, serge No 2, double breasted, with gilt buttons, Instructor, NRC	56.87	65.13	—	78.90	87.81	—
COAT, MAN'S, WHITE, polyester/viscose, with gilt buttons, CPO	24.45	—	24.50	48.00	41.01	17.54
COAT, MAN'S, WHITE, polyester/viscose, with gilt buttons, PO	23.35	—	26.50	48.00	39.54	18.75
COAT, MAN'S, WHITE, polyester/viscose, without gilt buttons, Class I and III	21.23	—	23.00	46.25	37.99	15.19
JACKET, MAN'S, MESS, cloth, wool, Barathea No 2, WO and CPO	49.00	59.57	—	—	—	78.00
JACKET, MAN'S, MESS, white, polyester/viscose, with gilt buttons	21.37	—	24.50	—	—	31.04

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JACKET, MAN'S, MESS, white, polyester/viscose, without gilt buttons	19.25	—	22.00	—	—	29.79
JUMPER, MAN'S, CLOTH, wool, serge No 1	29.73	—	—	52.65	—	17.67
JUMPER, MAN'S, DRILL, white	20.25	—	—	—	—	12.71
TROUSERS, MEN'S, CLOTH, wool, melange, grey, Junior Recruits (Officer Candidate only)	—	—	—	27.10	—	23.99
TROUSERS, MEN'S, CLOTH, wool, serge No 1, Class II	21.35	—	—	30.65	—	21.95
TROUSERS, MEN'S, CLOTH, wool, serge No 2, Class I and III	22.98	25.07	—	30.10	25.77	17.36
TROUSERS, MEN'S, DRILL, white, Class II	15.19	—	—	—	—	16.50
TROUSERS, MEN'S, WHITE, polyester/viscose, Class I and III	17.55	—	18.40	22.80	21.09	16.50
<i>Extra Charges:</i>						
Sewing on of Shoulder Flash 'Australia'	Costs included in above prices	Costs included in above prices	Costs included in above prices	1.45 per pair	0.81 per uniform, gold 0.75 per uniform, blue	—
* Sewing on of Badges, etc	1.35 per badge (W/O Badge)	—	1.50 per badge	2.50 per badge	0.60 per uniform	—
Taping on bottom of trousers, cloth, wool, serge No 1, Class II, with fly	—	—	—	2.00 per pair	—	—

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\* Note: Badges are to be supplied by the individual.

(901/66/25)

(Navy Order 23/75)

278/75

## UNCLASSIFIED

**279/75—Naval Police Made-to-Measure Uniforms at Melbourne, Sydney and Perth—1975-76**

1. Made-to-measure uniforms may be obtained from the undermentioned contractors during the period to 30 June 1976:

Sydney	.. ..	Norman Harris Pty Ltd, Shop C, 39 Church Street, LIDCOMBE NSW 2141
		Rundles Manufacturing Pty Ltd, 155 Scott Street, NEWCASTLE NSW 2300
Melbourne	.. ..	Australian Government Clothing Factory, 14 Gaffney Street, COBURG VIC 3058
Perth	.. ..	K. H. McAullay and Co, 370 Murray Street, PERTH WA 6000

2. Terms of the contracts are as follows:

Norman Harris Pty Ltd	.. ..	Nett
Rundles Manufacturing Pty Ltd	.. ..	2½%—30 days
AGCF	.. ..	Nett
K. H. McAullay	.. ..	Nett

3. The prices which will operate during the above period are as listed in Annex A.

4. Navy Order 24/75 is hereby cancelled.

## ANNEXE A

**Naval Police—Made-to-Measure Uniforms at Melbourne, Sydney and Perth—1975-76**

<i>Item of Uniform</i>	<i>K. H. McAullay, Perth</i>	<i>Norman Harris, Sydney</i>	<i>Rundles Manufacturing, Sydney</i>	<i>AGCF, Melbourne</i>
	\$	\$	\$	\$
Coat, Man's, Cloth, Wool, Baratheia No 2, Chief Inspector, with Buttons	—	—	91.30	—
Coat, Man's, Cloth, Wool, Baratheia No 2, Inspector, with Buttons	—	—	85.10	—
Coat, Man's, Cloth, Wool, Baratheia No 2, Sub-Inspector, with Buttons	—	—	78.07	—
Coat, Man's, Cloth, Wool/Polyester, Blue, Chief Inspector	—	—	85.39	—
Coat, Man's, Cloth, Wool/Polyester, Blue, Inspector	—	—	79.19	—
Coat, Man's, Cloth, Wool/Polyester, Blue, Sub-Inspector	—	—	72.16	—
Coat, Man's, Cloth, Wool/Polyester, Khaki, for Chief Inspector, including Shoulder Straps	—	—	83.87	—
Coat, Man's, Cloth, Wool/Polyester, Khaki, for Inspector including Shoulder Straps	—	—	77.67	—
Coat, Man's, Cloth, Wool/Polyester, Khaki, for Sub-Inspector, including Shoulder Straps	—	—	70.64	—

## ANNEXE A—continued

<i>Item of Uniform</i>	<i>K. H. McAullay, Perth</i>	<i>Norman Harris, Sydney</i>	<i>Rundles Manufacturing, Sydney</i>	<i>AGCF, Melbourne</i>
	\$	\$	\$	\$
Trousers, Men's, Cloth, Wool, Baratheia No 2, Police Officer	—	—	21.98	—
Trousers, Men's, Cloth, Wool/Polyester, Blue, Police Officer	—	—	17.19	—
Trousers, Men's, Wool/Polyester, Khaki, Naval Police Officer	—	—	16.68	—
Coat, Man's, Cloth, Wool, Serge No 2, Police, with Buttons (including Shoulder Flashes)	78.90	57.60	—	52.90
Trousers, Men's, Cloth, Wool, Serge No 2, Police	30.10	25.50	—	22.54

(901/66/25)

(Navy Order 24/75)

## UNCLASSIFIED

**280/75—Made-to-Measure Uniforms for RANNS and WRANS Officers and WRANS at Melbourne and Sydney—1975-76**

1. The official contractors for made-to-measure uniforms for RANNS and WRANS Officers and WRANS at Melbourne and Sydney for 1975-76 are listed in the following Annexes.

Sydney—Annexe A	.. ..	Norman Harris Pty Ltd, Shop C, 39 Church Street, LIDCOMBE NSW 2141
Melbourne—Annexe B	.. ..	I. L. Wise of Melbourne, 360 Little Bourke Street, MELBOURNE VIC 3000
Annexe C	.. ..	Australian Government Clothing Factory, 14 Gaffney Street, COBURG VIC 3058

2. The terms of the contracts are as follows:

Norman Harris Pty Ltd	.. ..	Nett
I. L. Wise of Melbourne	.. ..	2½%—30 days, 25% of full price deposit
AGCF	.. ..	Nett

3. The conditions governing the purchases of uniforms under these contracts are contained in ABR 93, Chapter 26.

4. Members are warned that they themselves are responsible for ensuring that uniforms obtained under these contracts, or from private fitters, are made strictly to the approved pattern and that they are liable to disciplinary action if incorrect uniform is worn.

5. This order will be reprinted for posting on notice boards.

6. Navy Order 22/75 is hereby cancelled.

## ANNEXE A

## Norman Harris Pty Ltd, Sydney—Made-to-Measure Uniforms for RANNS and WRANS Officers and WRANS—1975-76

	Price \$
<i>RANNS Officers</i>	
Coat, Woman's, Cloth, Wool, Baratheia No 2 (including distinction cloth):	
Matron .. .. .	90.86
Superintending Sister .. .. .	88.93
Senior Sister .. .. .	85.10
Sister .. .. .	79.13
Skirt, Woman's, Cloth, Wool, Baratheia No 2 .. .. .	15.25
Cape, Woman's, Cloth, Wool, Baratheia No 2 .. .. .	38.88
Cloak, Woman's, Cloth, Gabardine .. .. .	58.86
<i>WRANS Officers</i>	
Coat, Woman's, Cloth, Wool, Baratheia No 2 (including shoulder flashes):	
Unlaced .. .. .	70.55
Chief Officer .. .. .	90.00
First Officer .. .. .	88.13
Second Officer .. .. .	84.90
Third Officer .. .. .	79.30
Skirt, Woman's, Cloth, Wool, Baratheia No 2 .. .. .	15.25
<i>WRANS</i>	
Coat, Woman's, Cloth, Wool, Twill No 1 (including shoulder flashes) .. .. .	59.43
Skirt, Woman's, Cloth, Wool, Twill No 1 .. .. .	15.35

## ANNEXE B

## I. L. Wise of Melbourne Pty Ltd—Made-to-Measure Uniforms for RANNS and WRANS Officers and WRANS—1975-76

	Price \$
<i>RANNS and WRANS Officers</i>	
Coat, Woman's, Cloth, Wool, Baratheia No 2 .. .. .	62.87
Skirt, Woman's, Cloth, Wool, Baratheia No 2 .. .. .	20.74
Lacing of Sleeves of WRANS Officers Coats:	
Captain .. .. .	36.45
Chief Officer .. .. .	31.64
First Officer .. .. .	28.16
Second Officer .. .. .	24.58
Third Officer .. .. .	18.09
Lacing of Sleeves of RANNS Officers (including distinction cloth):	
Matron .. .. .	34.44
Superintending Sister .. .. .	30.96
Senior Sister .. .. .	26.15
Sister .. .. .	19.66
<i>WRANS</i>	
Coat, Woman's, Cloth, Wool, Twill No 1, with Gilt Buttons, WO .. .. .	62.93
Coat, Woman's, Cloth, Wool, Twill No 1, with Gilt Buttons, CPO and PO .. .. .	63.26
Coat, Woman's, Cloth, Wool, Twill No 1, with Horn Buttons .. .. .	61.79
Skirt, Woman's, Cloth, Wool, Twill No 1 .. .. .	20.11
Attachment of Shoulder Flashes 'Australia' .. .. .	1.62
	per coat

## ANNEXE B—continued

	Price \$
Sewing on Medal Ribbons .. .. .	1.62
	per coat
Sewing on of Badges .. .. .	1.62
	per coat

(Medal Ribbons and Badges are to be supplied by the individual)

## ANNEXE C

## Australian Government Clothing Factory—Made-to-Measure Uniform for RANNS—1975-76

	Price \$
Cloak, Cloth, Wool, Baratheia No 2 .. .. .	23.40
Cape, Cloth, Wool, Baratheia No 2 .. .. .	15.52
	(901/66/25)

(Navy Order 22/75)

## UNCLASSIFIED

## 281/75—Made-to-Measure Uniforms—Availability of Australian Government Clothing Factory Representatives in Sydney, Brisbane and Canberra for Try On of Uniforms

1. Details of contracts arranged with the Australian Government Clothing Factory for supply of made-to-measure uniforms to RAN personnel during 1975-76, are being promulgated in Australian Navy Orders.

2. Factory representatives in Sydney, Brisbane and Canberra, located at the addresses shown below, will accept orders and take measurements, etc, for made-to-measure uniforms. Arrangements may be made with the representatives for garments to be tried on once in the 'basted' condition and again in the finished stage, at no additional charge. Any extra fittings required by the customer will be charged for at the rate of \$4.00 per extra fitting:

Sydney .. .. .	AGCF Representative, Sydney Plaza Building, 59-61 Goulburn Street, SYDNEY NSW 2000
Brisbane .. .. .	AGCF Representative, 2nd Floor, Ampol House, Herchel Street, BRISBANE QLD 4000
Canberra .. .. .	AGCF Representative, Mr J. Alsop, Department of Manufacturing Industry, Block 1, Floor 1, Room 133, ANZAC West Building, PARKES ACT 2870

3. This order will be reprinted for posting on notice boards.

4. Navy Order 21/75 is hereby cancelled.

(901/66/25)

(Navy Order 21/75)





RESTRICTED

ANOs 282/75-288/75



Historian  
Victoria Barracks  
Melbourne

# AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,  
13 October 1975.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

RESTRICTED



Additional copies of Navy Orders may be readily obtained by:

- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 4718.

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## Section 1

## ADMINISTRATIVE AND GENERAL

## RESTRICTED

## 282/75—Joint Priorities for the Air Movement of Passengers and Mail

1. Pending publication in appropriate Joint Service publications, the joint priorities for the air movement of passengers and mail by scheduled air carriers services, operated by the RAAF, are promulgated for information.
2. Details are set out in Annexe A to this order.
3. Navy Order 178/72 is hereby cancelled.

## ANNEXE A

## Joint Priorities for the Air Movement of Passengers and Mail

Move- ment Priority	Time Limit for Transport to Destination	Guide for Allocation of Movement Priorities	
		Passengers	Mail
1	1-3 days ..	AUSDIL Pax; replacement of operational aircrew (including crewmen/loadmasters/flight engineers); re-inforcements; special moves authorized by Navy, Army or Air Offices or a Force Commander; personnel proceeding on emergency/urgent compassionate leave (depending on degree of urgency) or returning from emergency/compassionate leave to an operational area; AEROMEDEVAC teams and patients classified as 'URGENT' and 'PRIORITY' (see note)	Safehand despatches; Official mail (letters); first class troops mail
2	4-8 days ..	Ferry crews; duty personnel on staff; visit/posting/attachment; personnel proceeding on emergency/urgent compassionate leave (depending on degree of urgency); civilians from Government or Semi-government Departments on URGENT defence business.	Official mail (packages)
3	9-15 days ..	Administrative troop/personnel movements; personnel returning to unit after escort duty; civilians from industry, Government or Semi-government Departments on defence business; personnel proceeding on emergency/compassionate leave (depending on degree of urgency); AEROMEDEVAC patients 'ROUTINE' (see note)	Second class mail (newspapers and parcels)
4	16-20 days ..	Personnel on leave travelling at public expense or returning from compassionate/emergency leave to a non-operational area.	
5	21 days and over	Compassionate/emergency leave not otherwise specified; indulgence (space available) passengers; civilians travelling on Government business; dependants of members travelling at public expense.	

Note: AEROMEDEVAC passengers are to be transported in accordance with Air Board Order A7/2. AEROMEDEVAC teams returning to their point of departure are allocated Movement Priority 1. URGENT AEROMEDEVAC patients are those requiring immediate life-saving movement. PRIORITY AEROMEDEVAC patients are those requiring movement as soon as practicable.

(Navy Order 178/72)

(187/1/295)

## UNCLASSIFIED

**283/75—Small Craft—Gas Detection and Exhaust Ventilation Systems**

1. The presence of gasoline or liquid petroleum (LP) gas in small craft must always be recognised as highly dangerous. In the case of LP devices fitted in gasoline driven craft an extreme hazard exists, particularly when starting up after a prolonged shut down.

2. As a safeguard against possible accidents occurring from the presence of an explosive gas or vapour mixture, gas detection units and exhaust ventilation systems are to be fitted to existing and future gasoline powered craft and/or craft in which LP gas devices are fitted.

3. Gas detection and exhaust ventilation units will be issued to naval dockyards for fitting in existing small craft affected by this order.

4. Establishments operating gasoline powered craft or craft in which LP gas devices are fitted, are to raise Forms TM200 for the fitting of 'Gas detection units and exhaust ventilation system' in accordance with this Navy Order.

5. Future gasoline powered craft will, where practicable, have the gas detection unit and exhaust ventilation system fitted during construction.

6. An ignition switch interlock shall be fitted in accordance with Garden Island Dockyard Drawing No 504/476 which will prevent the ignition circuit being made until all the explosive gas/vapour mixtures have been exhausted. Until this safeguard has been fitted strict adherence to the regulations for starting engines of small craft must be observed.

7. Copies of 'as fitted' installation drawings for each craft fitted in accordance with this Navy Order shall be forwarded to Department of Defence (Navy Office).

**Siting of Detector Heads**

8. a. *General.* Detector heads shall be sited to suit individual installations but care shall be taken to ensure that heads are fitted in positions where gas or petrol vapour accumulations are most likely to occur, taking account of the fact that both LP gas and petrol vapour are heavier than air. Detector heads shall be placed on the lowest points at which gas or petrol vapours can accumulate, taking care to avoid possible submergence by bilge water.
- b. *In Engine Compartment (Petrol Engine).* A detector head shall be fitted as low as practicable in the engine compartment bilges, or other locations where petrol vapours may concentrate. Where fuel tanks are installed in a space enclosed by continuous bulkheads, a detector head shall be fitted in that space.
- c. *Where LP Gas Appliances are Fitted Below Weather Decks.* Detector head(s) shall be fitted in the vicinity of the appliance and low down in the compartment where the appliance is fitted.
- d. *Where LP Gas Cylinders are Fitted Above Weather Decks.* Detector heads will not be required if the appliances in these areas are as sited that leakages are readily dispersed and accumulation of gas cannot occur. However, if it is apparent that any gas leaks from an appliance fitted on the weather deck may find their way into a pocket, then a gas detector head will be required to be fitted in this area.

- e. *LP Gas Cylinder Stowage.* LP gas bottle stowages are required to be fitted in the open or in well ventilated lockers on the upper deck and no detector heads are required in this area or space.

**Siting of Control Box**

9. The control box shall be cited to suit individual installations, in a position such that the audible and visual alarm signals are given when dangerous conditions exist, and are readily apparent to operating personnel, eg, in wheelhouse, galley or working area.

**Exhaust Ventilation System**

10. Petrol vapours and LP gases being heavier than air cannot be exhausted from bilge spaces by natural ventilation, and a mechanical exhaust ventilation system is to be fitted as follows:

- a. in craft fitted with inboard petrol installations; and
- b. in craft fitted with LP gas system where the piping and/or appliances are situated below the weather deck or in a well.

11. The exhaust ventilation system shall be ducted to the open air and fitted with flame proof gauze and closing down arrangements at the outlet. The blower and electrical components shall be in accordance with Garden Island Dockyard Specifications D.S.599 (Rev 2) and D.S.600 (Rev 2) for 12V and 24V exhaust fans respectively.

**Routine Testing Procedure**

12. In addition to existing procedures in force, the following precautions are to be taken in boats described in Paragraph 10 b above:

- a. Daily before initial starting up, or use of LP gas device:
  - (1) switch on gas detector system,
  - (2) switch on exhaust ventilation system and run for five minutes,
  - (3) if gas detector system shows 'safe' after five minutes running, the engine may be started and LP gas units operated.

The gas detector system should remain activated until the craft is secured on completion of the days activities.

- b. During fuelling or defuelling operations:
  - (1) switch on gas detector system prior to operations, it should remain activated during the entire operation,
  - (2) if the system shows a presence of gas/vapour, switch on ventilation system and continue to run until 'safe',
  - (3) when the gas detector system shows 'safe', switch off ventilation system and commence fuelling/defuelling operations. A close check is to be kept on the gas detection system during the operation. If the detection system shows 'unsafe' at any point in the proceedings fuelling/defuelling is to cease, the cause investigated and rectified, then the ventilation system activated until the detector reads 'safe' once again.

13. The routine to be followed on opening up the boat is to be displayed on a notice board located in a prominent position.

14. An additional sign is to be displayed where applicable adjacent to LP gas devices as follows:

**SAFETY PROCEDURES FOR OPERATORS OF LP GAS DEVICES**

1. ENSURE GAS DETECTION AND EXHAUST VENTILATION SYSTEMS ARE OPERATING.
2. OBSERVE FIVE MINUTE SAFE PERIOD BEFORE USE.
3. LIGHT MATCH BEFORE TURNING ON GAS SUPPLY.
4. MAIN SUPPLY TO BE SHUT OFF WHEN NOT IN USE.

15. ABR 5144 Support (Small) Craft will be amended in due course, to incorporate this Navy Order.

16. Navy Order 296/72 is hereby cancelled.

(1236/51/34)

(Navy Order 296/72)

**Section 3**

**OPERATIONAL AND TRAINING**

**RESTRICTED**

**284/75—Command Control and Communications Committee**

1. The introduction of the Naval Combat Data System marks the commencement of improved Command Control and Communications (C<sup>3</sup>) in the RAN, but this is only one facet of a large and important problem. Accordingly, approval has been given for the formation of a C<sup>3</sup> Committee to bring together all those concerned in the Naval and Technical staffs who have responsibilities for aspects of C<sup>3</sup>.

2. As a first step the Committee is undertaking a detailed review of existing deficiencies with the object of establishing a priority list for planned future action to make improvements.

3. The composition of the C<sup>3</sup> Committee is as follows:

- Director-General of Naval Operational Requirements—Chairman
- Director of Naval Communications
- Director of Naval Weapon Design
- Director of Tactics, Ship Command and Control and Navigation
- Naval Combat Data Systems—Project Director
- Director of Naval Communication Design
- Director of Naval Intelligence
- Director of Electronic Warfare—Navy
- Director of Submarine Policy
- Director of Trade and Exercise Co-ordination—Navy

Director of Naval Aviation Policy  
 Director of Naval Electrical Design  
 Director of Service and Air Weapons, Navy  
 Director of Underwater Weapons  
 Secretary (to be provided by Resources Planning—Navy).

} as required

4. The Committee's initial Terms of Reference are:

- a. to review existing C<sup>3</sup> arrangements and identify deficiencies and problem areas;
- b. to establish the cause of these deficiencies including such matters as policy, equipment, procedures or training or any combination of all these factors;
- c. to review post exercise reports and comments on C<sup>3</sup> systems;
- d. to supervise and co-ordinate all bids for use of the radio frequency spectrum;
- e. to monitor developments in C<sup>3</sup> programs in other navies/countries;
- f. to monitor the implementation of C<sup>3</sup> projects; and
- g. to develop policy and recommend priorities for its implementation.

5. Authorities who have matters under review which are pertinent to these terms of reference are invited to forward their comments to Department of Defence (Navy Office) for consideration by the C<sup>3</sup> Committee.

(339/5/3)

**Section 4**

**EQUIPMENT, STORES AND SERVICING**

**UNCLASSIFIED**

**285/75—Hull Structure and Fittings of HMA Ships—Instructions for Examination and Survey (Excluding Submarines)**

**Introduction**

1. A revised procedure for the examination, survey and inspection of the hull structure and fittings of HMA ships is to be implemented. The following orders supersede existing instructions and further references are contained in the Engineering Manual (BR 3000), the RAN Painting Manual (ABR 19), the Cathodic Protection Manual (ABR 5021) and relative Hull Planned Maintenance Schedules.

**General**

2. With application of the Hull Planned Maintenance Schedules a ship can be expected to have an effective hull life of 20 to 30 years depending on class; this life can be prolonged by careful maintenance but will be reduced if necessary maintenance is not carried out. To achieve this anticipated life it is essential that regular examinations, surveys and tests be carried out so that incipient defects can be checked and made good.

3. Commanding Officers of ships are to ensure that examination of hull components by ships officers and hull surveys by dockyard officers are carried out at the required intervals. This requirement is particularly significant for destroyers and smaller vessels, which are constructed of comparatively light scantlings, if loss of structural strength and watertightness is to be avoided.

4. A structural member or hull fitting is to be regarded as having a major defect if repair or replacement is considered necessary to preserve the strength of the structure or to maintain watertight integrity of the hull. Deterioration, distortion or wastage, although present need not necessarily amount to appreciable loss of strength, but is to be recorded when examinations are carried out. Where wastage is present the current state of preservation may be poor; if so the coating may be ineffective and should be so described.

#### Examination and Inspection by Ships Officers—Responsibility

5. The Marine Engineer Officer is responsible to the Commanding Officer for ensuring that the periodical examinations and inspections detailed in Hull Planned Maintenance Schedules are carried out. A Shipwright Officer, if borne, should undertake the actual examinations and inspections and prepare the necessary documentation. Heads of other departments are to assist where necessary.

6. A thorough examination is to be undertaken by ships officers of every accessible part of the shell plating, watertight doors, hatches and hull fittings at the frequencies specified in the Planned Maintenance Schedules. Opportunity should be taken to inspect all tanks when they are emptied for cleaning. The object of these examinations is to ensure:

- a. that compartments are maintained in a water, oil or gas tight condition;
- b. that all plating, etc, is free from corrosion and is coated effectively with suitable preservatives. Special attention should be given to shell plating in bilges of machinery spaces and boiler rooms as these are prone to severe corrosion attack;
- c. that all doors, hatches, manhole covers, pipes, sluice, drain and other valves affecting the watertight and gas tight sub-division of the ship are maintained in an efficient working condition;
- d. the detection of incipient structural defects and the checking of their development; and
- e. that all drainage holes in frames, longitudinals and floor plates are kept clear.

7. Reports are to be forwarded to Department of Defence (Navy Office) every eight months through the Administrative Authority on Form TIS71 (Cover) Report of Hull Examination for HMA Ships. Form TIS73 Tick Off Sheet is to be completed for every watertight compartment examined and a tick is to be placed in the appropriate box, for each main structural item listed, assessing the overall condition of each item in accordance with the Condition Indicator Code on the back of the cover. Additional relevant information considered necessary together with recording action for defects discovered during routine Planned Maintenance examinations of compartments and ship structure for the previous eight months is to be included in the sections provided. An itemised list of significant defects found during these routine examinations is to be included on Form TIS72 Details of Defects giving the serial numbers of Forms TM145/TM200 raised with their completion dates, if available. Ship copies of Form TIS71, with enclosures, are to be made available for dockyard officers' perusal prior to Dockyard Hull Surveys.

#### Surveys of Structure by Dockyard Officers—Responsibility

8. Commanding Officers of ships and operating authorities are to ensure that dockyard surveys are requested in accordance with Dockyard Planned Maintenance Schedules. Dockyard officers will carry out surveys of structure of vessels in accordance with the succeeding paragraphs.

9. If any vessel has been strained, or it is believed that water has lodged in any part of her, or if there is any reason to think the hull defective, information on defects found by ships officers is to be furnished to dockyard officers and a thorough survey carried out whether the Periodical Survey is due or not.

10. The instructions to, and action taken by dockyard officers are not to be considered as relieving the ship's officers of responsibility for the proper survey and maintenance of the vessel.

11. On completion of each survey report, Form TIS67 (TH118) and enclosures, is to be forwarded by dockyard in accordance with the distribution shown in the form. The nature and due date of the next survey is to be shown in the box provided.

12. Any proposals for varying the interval between surveys on occasions when it is impracticable for dockyard officers to carry out a survey due are to be referred to Department of Defence (Navy Office).

13. Significant defects discovered during a survey by dockyard officers are to be immediately reported to ships officers who will initiate the necessary URDEF/REDEF procedures.

#### Other Surveys

14. Where surveys are undertaken by other than dockyard officers, Commanding Officers are to ensure that these surveys conform to dockyard procedures and are reported on Form TIS67 (TH118) in accordance with the instructions thereon.

#### Action Required Following Reports of Survey by Dockyard

15. Ship's officers are responsible for raising Forms TM200 for defects requiring dockyard action, reported on Form TIS69 (TH120), which in the opinion of dockyard officers may be deferred to the following refit and are to include these items in the next Main Defect List.

16. Defects requiring ship staff action are to be taken in hand as soon as possible with priority being given to items involving corrosion and preservation to hull structure particularly in machinery spaces and other areas normally difficult of access.

#### Examination of Fittings

17. All fittings permanently attached to the hull, and on which safety of life depends (eg, eyeplates, ring bolts) are to be examined for defects in accordance with Hull Planned Maintenance routines. If any doubt exists, as to the condition of any fitting, action is to be taken in accordance with Navy Order 148/75.

18. When a defect is discovered, a Defect Record Form TM145 or Ship Repair Requisition Form TM200 is to be raised for work to be carried out by ship's staff or dockyard respectively. Should it be considered that the defect is caused by a design fault, or that an alternative material would be more suitable, Form TM179 Report of Defective Material and Design, is also to be raised.

### Periodical Inspection of Certain Compartments

19. There are certain areas in which early and repeated failure of protective coatings is likely to take place owing to severe conditions imposed by the environment. This breakdown is often encouraged by difficulties in obtaining adequate surface preparation, and coating failure may permit unnoticed corrosion in areas difficult of access.

20. All compartments or places therein, known by experience to require close attention, are to be noted on the appropriate maintenance schedule. They are to be examined periodically in accordance with the maintenance schedule and action taken to patch or renew deteriorated coatings. Details of examinations and corrective action taken are to be entered in the appropriate maintenance record and if physical access is impossible, this should also be recorded.

### Examination of Propellers

21. Owing to the growth of marine fouling in certain localities roughening of the propeller surface develops with great rapidity; this results in a serious increase of fuel consumption. The following instructions are therefore to apply:

- a. Dry docking is to be deferred as close as practicable to the date on which the ship should proceed to sea.
- b. When a ship has been lying for more than nine days in water above 15.6° C (60° F) or fourteen days in other waters its propellers are to be thoroughly cleaned by divers before proceeding to sea.
- c. The propellers are to be cleaned not more than ten days before a full power trial.

### Pre-Refit Survey

22. Fleet Staff are to request Pre-Refit assistance of dockyard officers, giving details of ship availability dates, in accordance with Navy Order 217/74, Annexe F Paragraphs 8-9. Pre-Refit Surveys are to be incorporated with Refit Surveys on Form TIS67 (TH118) and are intended to:

- a. assist dockyard in estimating and scheduling of work in the Main Defect List;
- b. supply expert assessments to ships staff on defects found during scheduled planned maintenance examinations, which are recorded on Form TIS71 Hull Examination;
- c. advise whether defects reported require remedial action during the forthcoming refit or if they may be deferred till the following refit;
- d. include inspections of compartments considered suspect by ships staff that are not included in the planned hull survey for the coming refit.

### Docking Surveys by Dockyard Officers

23. A detailed survey of the underwater hull and fittings in accordance with Planned Maintenance Schedules is to be carried out by dockyard officers at each docking or slipping, and particular attention is to be given to the condition and performance of the anti-corrosive anti-fouling system, and of the cathodic protection if fitted. Defects discovered are to be made good and the underwater paint system is to be touched up or renewed as necessary. A Report of Underwater Survey, giving details of the condition of the underwater hull and listing defects found on survey and remedial action taken or deferred to the next docking, is to be forwarded on Form TIS67 (TH118).

24. Form TH107 Report of Docking or Slipping, is to be rendered in accordance with the instructions thereon and is to include items of 'Work Considered Necessary on Next Occasion of Docking or Slipping'.

25. When ships are docked or slipped in private yards where no overseer is available, or in foreign ports, the docking particulars are to be provided by ships officers and the report, Form TH107, is to be forwarded to Department of Defence (Navy Office) through the Administrative Authority.

### Refit or Periodic Survey by Dockyard Officers

26. A survey in accordance with Planned Maintenance Schedules is to be carried out by dockyard officers at each main refit but surveys may be progressed in the case of ships on two or three year cycles.

27. An examination is to be made to ascertain the condition of the hull structure to ensure that highly stressed members and items affecting strength, gas and watertight integrity are given special attention; the remainder of the vessels must also be given a thorough survey. Particular attention is to be given to areas liable to excessive corrosion or other deterioration and to structural discontinuities and corners of openings in strength decks or bulkheads. Survey is to include watertight doors, hatches, trunks, manhole covers, pipes, sluice valves, drain and other valves below the weather deck. Reference should be made to corrosion prone areas which are included in Planned Maintenance Schedules; proposed amendments should be submitted to Department of Defence (Navy Office).

28. In destroyers and smaller vessels, particular attention is to be paid to the hull plating and framing adjacent to and under boilers and machinery. Where access to areas under machinery, particularly boilers, is restricted the brickpans of one boiler are to be removed during each survey to permit examination of the hull plating and structure. If considered necessary, as a result of this examination, the brickpans of the remaining boilers are to be removed and the hull structure under surveyed.

29. Should it be necessary to remove the brickpans of a boiler for defects or other work the opportunity is to be taken to carry out a survey of the adjacent hull structure.

30. Ships maintenance records and Form TIS71 Report of Hull Examination for HMA Ships, are to be made available for dockyard officers carrying out the survey. All known defects and areas of undue deterioration are to be specifically listed in the request for survey. Defects affecting the safety and fighting efficiency of the ship are to be made good immediately, together with other defects which in the opinion of the surveying officer will not give satisfactory service until the next refit.

31. Where lining, lagging, deck coverings or other materials prevent direct access to structure, portions of such materials are to be removed to allow detailed examination to be made, particularly of those areas in which water may accumulate. Where examination indicates that corrosion is taking place, additional materials are to be removed as necessary to ensure that all corrosion is arrested and protective coatings applied.

32. Ship's staff are responsible for emptying and cleaning magazines, shell rooms, store rooms, fuel tanks, double bottoms, water and ballast tanks, other compartments and tanks planned for survey. They are to arrange 'Gas Free' certificates and ensure access is available for dockyard officers to these compartments. All bilges are to be cleaned and dried out. When it is not convenient to survey all tanks of a vessel at the one refit, the survey of some tanks may be deferred until the next refit. The survey of any tank shall not be deferred for longer than two refits.

33. A Report of Survey is to be raised on completion of each Hull Survey with details forwarded on the following forms:

- a. TIS67 (TH118)—Report of Survey Commissioned Ships (Cover). Contains instructions, details of enclosures, next survey date and survey certificate.
- b. TIS68 (TH119)—Hull Survey Internal/External. To list compartments surveyed, their location and result of the survey. The General Condition and Indicative Instruction Codes are to conform with the codes on the back of the cover of Form TIS68 (TH119).
- c. TIS69 (TH120)—Dockyard Action Survey Report. To list details of defects requiring remedial action by ship staff or dockyard. Estimates for dockyard defects are to be included and ship's officers are to insert serial numbers of Forms TM145 raised for repair action by ship staff and Forms TM200 for items to be included in the Refit Defect List.

34. Dockyards are to prepare a small scale, 1/200, transparency of the ship showing compartments on each deck. This transparency is to be marked to indicate those compartments covered in the survey, and attached to Form TIS68.

35. Dockyard officers are to prepare a Professional Summary, Form TIS70, of the survey report indicating the overall condition of the ship and its anticipated structural life. If it is considered pertinent structural drawings or sketches of structural components may be attached to the Survey Report to illustrate the structural condition.

#### Special Surveys by Dockyard Officers

36. Special Surveys of ships are to be carried out by dockyard officers as follows:

- a. after approximately nine years, thence every six years to coincide with the refit periods;
- b. as directed by Department of Defence (Navy Office).

37. Special Surveys are similar to Refit Surveys except that, in addition, comprehensive measurements of the thickness of shell plating, decks and structure contributing to the strength and watertightness of the vessel and showing signs of excessive wastage, are to be taken using non-destructive methods. The number of measurements required will vary with the type of ship surveyed, condition of hull structure, age and deterioration present.

38. The following is a guide to the minimum number of measurements required in the nine year survey of a destroyer:

Area	No of Measurements
Shell plating .. ..	30 each side particularly in way of machinery space bilges and wind and water line
Main weather decks ..	20 (excluding superstructure)
Interior decks and bulkheads ..	20

Additional measurements should be taken if surveying officers consider that condition of the structure being surveyed warrants more detailed examination.

39. An assessment is to be made of the future life of each major structural component taking into account the corrosion and wastage that has occurred prior to the date of the survey.

40. The decision whether to renew structural components is dependent on many factors but a general guide is that when 30 per cent of the original thickness has wasted, it should be renewed. Deficiencies can be corrected by adding a reinforcement, welding of scattered pits or replacement of the defective member. Where practicable inserts are to be installed in lieu of doublers.

41. Special Survey Reports are to be rendered as for Refit Surveys but in addition are to include a statement by dockyard officers of the following information:

- a. how many years the hull structure and major structural components could be expected to remain efficient for Naval service assuming future maintenance in accordance with Hull Planned Maintenance Schedules.
- b. whether the life of the hull could be appreciably extended by renewal of any items, if so, the period of extension and particulars of renewals should be stated; and
- c. the measurements taken of the hull structure thickness in accordance with Paragraph 38.

42. If dockyard officers consider certain items of hull structure may require renewal before the next survey, the items are to be entered and underlined in red in the survey report, together with the recommended date of renewal.

43. In areas where undue deterioration is noted but immediate renewal is not considered necessary, special measures are to be taken to preserve the life of the structure and/or fittings; the Corrosion Manual ABR 5023 should be followed. Such areas are to be especially noted on the Report of Survey and are to be examined at each subsequent survey until deterioration is arrested or rectified.

#### Staff Officer Inspections

44. Staff Shipwright Officers or other officers as directed by the Chief Staff Officer (Technical) are to inspect ships regularly to ascertain if hull maintenance is being carried out and what steps have been implemented to combat corrosion and have defects rectified by ships staff or dockyard. They are to be fully conversant with defects raised in survey reports, particularly those that affect strength, water and gas tight integrity of the ship, and are to ensure correct procedures are followed to have these defects made good.

(N1900/9/13)

AMENDMENTS

RESTRICTED

286/75—Course No 901124 Tracker Weapons Officer Course

Navy Order 65/74 is to be amended as follows:

a. Delete: Paragraph 7.

b. Insert: 'Air Weapon Allowances

7. Weapon allowances for this course are included in those promulgated in Confidential Navy Order 15/75'.

(N1000/1/56)

(Navy Order 65/74)

RESTRICTED

287/75—Course No 901125 RAN Air Warfare Instructor (AWI) Course

Navy Order 66/74 is to be amended as follows:

a. Delete: Paragraph 7.

b. Insert: 'Air Weapons Allowances

7. Weapon allowances for this course are included in those promulgated in Confidential Navy Order 15/75'.

(N1000/1/56)

(Navy Order 66/74)

UNCLASSIFIED

288/75—Electronic Warfare—Equipment Types AN/SLR-2 and AN/WLR-1 Fitted in HMA Ships—Painting of Radomes

Navy Order 218/75 is to be amended as follows:

Wherever 'AN/SLR-2' appears insert after it 'AN/WLR-1'.

(400/202/701)

(Navy Order 218/75)



AMENDMENTS

RESTRICTED

18672—Course No 901124 Teacher Weapons Direct Course

Naval Order 65174 is to be amended as follows:

a. Delete Paragraph 7

b. Insert: Air Weapon Allowance

7. Weapon allowance for this course are included in those promulgated in Confidential Navy Order 15172.

(N10001128)

(Navy Order 65174)

RESTRICTED

18772—Course No 901122 HAN Air Warfare Instructor (AWII) Course

Naval Order 66174 is to be amended as follows:

a. Delete Paragraph 7

b. Insert: Air Weapon Allowance

7. Weapon allowance for this course are included in those promulgated in Confidential Navy Order 12772.

(N10001124)

(Navy Order 66174)

UNCLASSIFIED

18872—Electronic Warfare—Equipment Types AN/SLM-2 and AN/WIR-1 Used in HMA Ships—Training of Sailors

Naval Order 12872 is to be amended as follows:

However: AN/SLM-2 requires more than 1 AN/WIR-1.

(4001202170)

(Navy Order 12872)

**RESTRICTED**

**RESTRICTED**

Historian  
Victoria Barracks  
Melbourne

**RESTRICTED**

ANOs 289/75-295/75

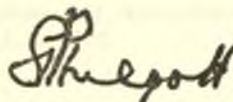


# AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,  
20 October 1975.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,



*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

**RESTRICTED**

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294/75	General Stores—Introduction—Allowances—Brush Washing Equipment.
SECTION 5—BOOKS, CORRESPONDENCE, FORMS AND STATIONERY	
295/75	Information Concerning and Distribution of Publications and Amendments Managed by Executive Officer Publications, Sydney—July 1975.

Additional copies of Navy Orders may be readily obtained by:

- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 4718.

## Section 1

## ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

## 289/75—Fire Fighting in Shore Establishments

1. Traditionally, fire fighting in Defence (Navy) establishments has been undertaken by the local fire brigade without any question of rights and/or responsibilities. The Australian Fire Board considers that this service and tradition, which has operated successfully through the years, should not be disturbed. Fire prevention, however, and the supply and maintenance of adequate 'first aid' fire fighting cover is unequivocally a management responsibility at all levels in establishments.

2. 'First aid' fire fighting is defined as the immediate action to be taken within the personnel and equipment capabilities of the establishment to detect, bring under control, contain and attempt to extinguish outbreaks of fire until the arrival of a civil fire brigade, when responsibility for fighting the fire is assumed by that body. In establishments remote from a permanent full-time brigade or where no such brigade exists (eg, HMAS ALBATROSS, CERBERUS and STIRLING), first aid fire fighting must continue until such time as the fire is finally extinguished or burns itself out.

3. The policy for the provision of portable and fixed fire protection equipment and the provision of mobile fire fighting appliances is the responsibility of the Department of Defence (Navy Office), Canberra (in collaboration with the Department of Housing and Construction and the Australian Fire Board, as appropriate). Such equipment may include as appropriate the following:

- a. portable extinguishers;
- b. hydrants, hose reels, fixed systems, detection and alarm equipments; and
- c. mobile fire appliances (and their equipments), pumps, etc.

4. Naval Police are responsible for the maintenance and operation of fire fighting equipment in non-commissioned establishments and for the training of personnel, both civil and uniformed, employed in those establishments in the use of fire fighting appliances. In order to assist Commanding Officers of commissioned establishments to meet their responsibilities, the Department of Defence (Navy Office) has approved Naval Police being given general responsibility for advising Commanding Officers of commissioned establishments on fire prevention and to co-ordinate the training of fire parties and evacuation procedures of high rise buildings.

5. Naval Police have been added to the complement of several commissioned establishments for full time duty in fire prevention. They are responsible for inspecting, testing and maintaining all first aid fire fighting equipment, mobile fire appliances and fixed fire protection systems in accordance with maintenance schedules or other directives. In carrying out periodic fire protection surveys, Naval Police are to check that good housekeeping for fire prevention is maintained, that means of escape are kept clear and easily identifiable and that all fire doors, smoke doors and fire exit doors are fully operable. They are also to check that the appropriate authorised equipment and appliances are fitted and updated with any change in reported risk. Where borne they are to assume the responsibility for recommending to their Commanding Officers improvements in fire prevention procedures and housekeeping, and for ensuring the implementation of policy and directives issued by the Department of Defence (Navy Office), Canberra.

6. Naval Police officers filling the billet of Fire Officer in an administrative area should be utilised, where possible, on administrative inspections. In establishments where no Naval Police personnel are borne a qualified Naval Police Officer, Warrant Officer or Sergeant is available to Commanding Officers, Superintendents and Officers in Charge of these establishments from HMAS KUTTABUL or HMAS LONSDALE to advise and assist them in fire prevention.

7. Naval Police selected for fire duties will be given an approved course of training prior to being posted to fill selected billets.

(1446/1/71)

## UNCLASSIFIED

### 290/75—Manhandling Techniques

1. The following principles of manual handling of heavy weights and stores are promulgated for guidance in ships and establishments, and should be applied whenever the requirement arises. Importance is attached to training in this subject, as a knowledge of the correct method of manhandling, spread throughout the RAN, will go far to lessen the frequency of personal injury or accident and will reduce wasted time and effort.

2. Load lifting requires a high degree of muscle co-ordination. For any given load, the nearer the body is to the upright position, the more the work required of muscles is reduced.

3. It is emphasised that manhandling techniques are best taught by practical application, and that the subject eminently lends itself to instruction 'on the job'. The following points are important:

- a. Never bend over to pick up a heavy weight—this is the most frequent cause of back injury and strain—note how a trained weightlifter lifts with the powerful muscles of the legs and buttocks and how he rises from a squatting position holding the upper part of the body erect and tense.
- b. Keep the chin in and do not look down when lifting—this helps to keep the back straight.
- c. Arms should be kept close to the body by keeping the elbows tucked in. This ensures that the weight being lifted or carried is kept close to the body, thereby causing less strain.
- d. When pushing or pulling weights place the feet carefully so that the body weight can be used to do the work.
- e. Always use a proper grip using the palm of the hand where possible. Using the fingers only is wrong—they can easily slip.
- f. When moving or lifting heavy boxes, drums, etc, with sharp edges, gloves should be worn. Many accidents can occur to unprotected hands.
- g. When moving heavy drums lay them down and push them with both hands, keeping the back as straight as possible and bending the knees.
- h. Always keep both hands on the shafts of hand barrows, trolleys, etc, when pushing loads. If this is not done an obstruction may cause the barrow to swing, driving the handle into the groin or stomach.

i. When negotiating a ramp, always pull a barrow or trolley. Always pull an empty barrow or trolley back to the loading point.

4. 'The safe rule for a supervisor to follow is to restrict loads to about 25 kg per man. Should greater weights have to be manhandled, then two or more men should be used, ie, two men should be used to lift a bag of potatoes.'

5. It is preferable, whenever possible or practicable, to have mechanical means available to lift heavy weights.

6. Navy Order 377/72 is hereby cancelled.

(311/3/31)

(Navy Order 377/72)

## Section 2

### PERSONNEL

## UNCLASSIFIED

### 291/75—Officers—Certificate Procedure for Officers of the Marine Engineering Sub-Specialisation

1. The training of Marine Engineer Officers has been reviewed and Chapter 2 of BR 3000 is not now applicable to the RAN. The following qualifications are to form the basis of continuation training of Marine Engineer Officers.

#### Marine Engineer Officer's Certificate of Competence (MEOCC) (Qualification 31008)

2. a. The Marine Engineer Officer's Certificate of Competence is introduced from the date of issue of this Navy Order to consolidate the minor certificates gained and mark the recipient's grasp of the overall engineering skill's requirement. This Certificate will replace the existing Watchkeeping Certificate Parts A and B detailed in previous Navy Orders. It is to be awarded (subject to the Commanding Officer's approval) at the discretion of the Marine Engineer Officer of a DE or larger ship after the candidate has satisfactorily covered at any previous time all that material normally required for the award of the AWC, BWC, EWC and MCC (together with some responsible watchkeeping experience in each capacity), and on being considered competent in a DE or larger ship to:
  - (1) take charge of the machinery plant when preparing for sea, when underway under all conditions, and when shutting down;
  - (2) act temporarily in the absence of the Marine Engineer Officer as the sole or the senior MEO on board;
  - (3) take charge of repair and maintenance of a section of the ship's machinery; and
  - (4) undertake the duties and responsibilities of Divisional Officer.
- b. The MEOCC is to be obtained as follows:
 

GLEN—during the first sea posting on completion of RNEC Application Course (if it was not achieved prior to this course).

SLEN—during the first sea posting on completion of New Entry training.  
SDEN—during the first sea posting on completion of SD Courses.

SDSH—during the first sea posting on completion of the ME Introductory Course at HMAS CERBERUS.

SDEN (MECH) (Ex CPOMTP3\*)—during the first sea posting on completion of SD Courses.

The time required by each category, and by individual officers within each category, to obtain this Certificate will vary widely. The Marine Engineer Officer is to be the judge of whether progress is satisfactory, and if he considers it not to be, he is to bring this fact to the attention of his Commanding Officer with a view to the matter being reported officially.

- c. The award of the MEOCC will be a requirement before acceptance of a Marine Engineer Officer for submarine training.
- d. When the Marine Engineer Officer's Certificate of Competency is awarded, a certificate is to be typed as shown at Annexe A, in duplicate, with one copy being forwarded to the Department of Defence (Navy Office), the other to be retained by the officer. Qualification Number 31008 is to be reported in accordance with established reporting procedures.

**Marine Engineer Officer's Charge Qualification (MEOCQ) (Qualification 31006)**

- 3. a. The Marine Engineer Officer's Charge Qualification is designed to mark the successful broadening of the recipient's administrative and technical management knowledge to the point where he is considered competent in all respects to be posted as the Marine Engineer Officer of a DE or a larger ship, or as the Deputy Marine Engineer Officer of HMAS MELBOURNE. Officers will not be posted to these billets unless holding the MEOCQ or exemption from examination for it. (See Sub-paragraph d. below.)
- b. The Qualification may only be obtained as the result of written and oral examination conducted by the Chief Staff Officer (Technical) on the staff of the Flag Officer Commanding, Her Majesty's Australian Fleet. Candidates may only present themselves for examination with the recommendation of their Marine Engineer Officer, who is to request such examination by signal, and must be serving in a sea-going billet at the time. In the event of failure, a candidate may be re-presented for re-examination after a period of time to be decided by the Examining Officer.
- c. The syllabus for the examination for MEOCQ is given at Annexe C, and the provisions in Sub-paragraph a. above regarding postings will be mandatory from 1 March 1976. Officers will not be posted 'additional to complement' to gain the MEOCQ and will be required to gain the necessary knowledge by individual effort although it is the duty of Marine Engineer Officers to encourage the progress of candidates in their charge by all available means including informal instruction where appropriate and visits to other Fleet Units. The aim is the adequate preparation of the candidate for Charge responsibility.
- d. Officers who are holding or who have held a posting as MEO of a DE or larger ship on 1 March 1976 will be considered as holding the MEOCQ without examination. An officer who has served as the MEO of a submarine may be considered for exemption from examination for the MEOCQ on

return to General Service, each case being determined on its merit. Such exemption will be formally notified to officers by the Department of Defence (Navy Office) at the time of posting and after prior consultation with Staff Technical Officers.

- e. When the Marine Engineer Officer's Charge Qualification has been awarded, a certificate is to be typed in duplicate as shown in Annexe B, one copy being forwarded to the Department of Defence (Navy Office), the other to be retained by the officer. Qualification Number 31006 is to be reported in accordance with established reporting procedures. The Department of Defence (Navy Office) is to be notified by signal immediately the award is granted.

4. The contents of this Navy Order and the syllabus for the MEOCQ will be included in ABR 5225 (RAN Marine Engineering Manual) currently in course of preparation.

5. ABR 27 will be amended.

**ANNEXE A**

**Marine Engineer Officer's Certificate of Competence**

HMAS.....

Date.....

This is to certify that.....  
is considered capable in all respects of performing the full duties of a Junior Marine Engineer Officer in accordance with Navy Order 291/75.

.....  
Marine Engineer Officer

Approved .....

.....  
Commanding Officer

**ANNEXE B**

**Marine Engineer Officer's Charge Qualification**

Fleet Headquarters,  
GARDEN ISLAND.

This is to certify that.....

whose seniority in his rank is.....  
is considered competent to perform the duties of the Marine Engineer Officer of a Destroyer Escort or larger surface ship in accordance with Navy Order 291/75.

Date.....

.....  
Chief Staff Officer (Technical) to Flag  
Officer Commanding Her Majesty's  
Australian Fleet

## ANNEXE C

## Marine Engineer Officer's Charge Qualification Syllabus

## Section 1—Ships

Candidates will be expected to have a broad knowledge of the primary roles, propulsion features (eg, steam, diesel, GT) and endurance of the principal classes of ships in which they are likely to have responsibility.

## Section 2—Ship Administration

- a. Candidates are required to be broadly familiar with the following as applied to ships of the Fleet:
  - (1) information given in the Scheme of Complement including approximate numbers for each department in own ship;
  - (2) normal rank and duties of the principal officers;
  - (3) particular duties of the most senior sailors;
  - (4) procedure adopted for sharing communal duties among departments;
  - (5) duty officers in harbour;
  - (6) normal composition of sea and harbour watches;
  - (7) composition of emergency parties.
- b. Candidates are required to have an effective working knowledge of the following as applied generally in all ships:
  - (1) communication procedures including drafting and authorisation of signal, correspondence and official reports;
  - (2) security organisation including handling of classified material, CBs, routines for ensuring security of compartments containing classified equipment of magazines, keyboard organisation, control of DC states and security patrols;
  - (3) methods of demanding, returning and accounting for stores and spares, safeguarding of valuable and attractive stores, Permanent Loan Lists, layout of ABR 4 and principal stores forms.
- c. Candidates must be familiar with the layout and contents of RIs.

## Section 3—Departmental Duties and Administration

- a. Candidates must know fully the provision of RIs concerning the duties of the Marine Engineer Officer.
- b. Candidates must have read BR 3000. They should be familiar with the contents, particularly those areas dealing with safety of personnel and precautions against accidents.
- c. Candidates must know:
  - (1) the routine working of the Marine Engineer's Office, including the duties of the MEO's Writer;
  - (2) the daily entries in the Engine Room Logs and the periodic marine engineering returns;
  - (3) the considerations taken into account when making out watchbills and allocating daywork duties.
- d. Candidates must have a general knowledge of the following aspects of organisation of the Marine Engineering Department of a small ship:
  - (1) duties of officers and senior sailors working in the department;

## ANNEXE C—continued

- (2) NBCD and DC/FF responsibilities of the department;
- (3) watch and Station Bill daywork disposition of Leading Seamen and above;
- (4) customary procedure worked for boiler cleaning, fuelling at sea, and for trying steering gear before getting under way.
- e. A knowledge of the extent of coverage given by BR 3001—Marine Engineering Technical Instructions, will be expected.
- f. A candidate will be expected to have formed an opinion concerning the principal information he would seek from his predecessor on taking over as MEO of a small ship, as well as to be fully conversant with the prescribed procedure for the supercession of the MEO. He will be expected to have formed an opinion also on the relationship required between himself as MEO and the CO and the Executive Officer, and to know what points concerning his department should be covered in the Captain's Standing Orders.

## Section 4—Personnel

- a. *Advancement.* Candidates must be familiar with the principal regulations governing the advancement of all Marine Engineering sailors as given in ABR 27.
- b. *Training.* Candidates must understand the training commitments within the Marine Engineering department of a small ship. In particular they must understand the influence which these commitments exert on the organisation and day-to-day running of the department.
- c. *Discipline.* Candidates must be familiar with the contents of ABR 5151 (Manual of Naval Law); they must understand the system of delegation of powers of punishment by the Commanding Officer.

## Section 5—Fleet Administration

- a. Candidates must show general understanding of the Fleet and Administrative organisation, and understand the term Administrative Authority. They must know the functions of the Chief Staff Officer (Technical) and the Fleet Marine Engineer Officer.
- b. Candidates will be expected to know the general manner in which small ships are operated, how logistically supported, their docking and refitting cycles, and typical usage factors.
- c. Candidates will be expected to know the procedure to be followed for obtaining material assistance and supplies of fuel or water on arrival, including Logreq procedure. They are to have a thorough knowledge of the Marine Engineering section of AFGOs.
- d. Candidates should know in broad outline the fields of responsibility covered by the Naval Technical Directorates in Department of Defence (Navy Office).

## Section 6—Dockyards, Refitting and Maintenance

- a. Candidates must be closely familiar with the contents of Navy Order 217/74. They must understand the procedure to be followed when ships are taken in hand for refit by a dockyard and the duties of ships' officers during refits. They must also be fully informed concerning the procedure



## ANNEXE C—continued

to be followed in the closing stages of a refit, with particular reference to the tests and trials specified and the authorities responsible for inspection.

- b. Candidates must have a general knowledge of:
  - (1) the management organisation in dockyards;
  - (2) departmental responsibilities in dockyards; and
  - (3) status and responsibilities of Foremen.
- c. Detailed knowledge will be required of the responsibilities of ships' staff, and the precautions to be taken against accident and fire when docking, when in dock and undocking, and when welding or burning operations are to be carried out onboard.
- d. Candidates will be expected to have detailed knowledge of the Alteration and Addition procedure and the working of a Planned Maintenance System.
- e. A general knowledge is required of:
  - (1) the maintenance and repair support facilities available to ships outside dockyards (eg, FMUs, FMPs, TCV) and the circumstances under which use is made of them;
  - (2) the self-maintenance periods allocated to small ships; and
  - (3) the procedure for obtaining dockyard assistance in emergency or outside refits.

(303/3/4)

(Navy Order 217/74)

## Section 3

## OPERATIONAL AND TRAINING

## RESTRICTED

**292/75—Seecat Aimers and Controllers—Introduction of Separate Lists, Refresher Training Requirements and Rules for Review of Qualification**

## Aimers and Controllers

1. From the date of this order, two separate lists will be maintained for Seecat trained QMG sailors, one list for qualified Aimers, and the other for qualified Controllers.

2. Posting policy is that CPOQMGs and POQMGs will not be posted to complemented Seecat Aimer billets at sea, and because sailors other than complemented Aimers do not have an allowance of practice missiles, senior QMG sailors have no requirement to retain their Aimer qualification. All QMG sailors of Petty Officers rank and above who are currently qualified as Seecat Aimers have therefore been transferred to the Seecat Controller's list, and are not eligible for a practice missile firing. Qualified LSQMG Seecat Aimers will be automatically transferred to the Controller's list on promotion to Petty Officer. Seecat Controllers who have been transferred from the Aimer's list will be eligible to retain the Aimer's badge.

## Training

3. The following pre-firing refresher and continuation training is to be carried out by all Seecat Aimers:

- a. *Pre-firing Refresher Training.* When practicable, Seecat Aimers of ships on the Australia Station are to carry out pre-firing refresher training (Course 911640) at HMAS CERBERUS prior to the conduct of practice firings at sea. Where this is not possible, the reasons should be made known to the Fleet Commander before firings take place.
- b. *Continuation Training.* Continuation training should be carried out at HMAS CERBERUS at least every six months. This requirement applies to all qualified Aimers irrespective of whether the individual is employed in an Aimer's billet at sea or not.

4. Seecat Controllers are not required to carry out refresher or continuation training.

5. Pre-firing refresher training will be a minimum of two days duration. Continuation training courses will be of one week's duration. Ships and establishments are to apply direct to HMAS CERBERUS for training.

## Review of Qualifications

6. A Seecat Aimer will be subject to review of his qualification if he:
  - a. carries out two consecutive unsuccessful firings attributable to Aimer error; or
  - b. does not carry out continuation training at HMAS CERBERUS in any two year period; or
  - c. does not fire a missile in any three year period.
7. The procedures for review of qualifications will be as follows:
  - a. Two consecutive unsuccessful firings. RANTAU to recommend to Navy Office that qualifications should be relinquished. Navy Office will then inform RANTAU, COMAUSFLT, HMAS CERBERUS and the sailor's present ship of the outcome of RANTAU's recommendation.
  - b. Failure to carry out continuation training. HMAS CERBERUS is to inform the sailor's present ship, copy to Navy Office, that the Aimer has not carried out continuation training for two years. The ship concerned is to forward reasons for failure to conduct continuation training to Navy Office, who then decide whether the sailor should retain or relinquish his qualification.
  - c. Failure to fire a missile for three years. As for Paragraph 3b, except that RANTAU is responsible for initiating action to the sailor's present ship.

8. In all cases, a decision on Seecat Aimer's qualification will be made by Navy Office (DSAW-N, after consultation with DNUR, DNT and DSP) following recommendations and submissions from RANTAU, HMAS CERBERUS and the sailor's present ship.

9. Failure to fire a missile or carry out continuation training within the specified time limits will not necessarily mean relinquishment of qualification. Some sailors who have not been given opportunities for firings or training through no fault of their own will be allowed to retain their qualification provided continuation training is carried out within a reasonable period of the sailor's availability for such training. Individual cases will be treated on their merits.

**Provision of Data to Navy Office**

10. In order to provide reliable information in compiling updated lists of qualified Seacat Aimers, the following method will be employed:

- a. On 30 June and 31 December each year—RANTAU provide Navy Office with a list of all Seacat Aimers showing total missiles fired with results (success, failure, no test and undetermined) and the date of last firing for each Aimer. This list is to indicate whether an Aimer is provisionally or fully qualified.
- b. On 30 June and 31 December each year—HMAS CERBERUS provide Navy Office with separate lists of Seacat Aimers and Controllers, showing dates of initial dome qualification and last dome refresher or continuation training.
- c. On receipt of the above information, Navy Office will provide a complete list to COMAUSFLT, RANTAU and HMAS CERBERUS of all Seacat Aimers and Controllers, together with removals from the list, date and reason for removal.

11. Navy Order 242/73 is cancelled and Notes f (3) and (4) in Table B of Annexe A to Navy Order 8/74 are to be deleted.

(303/22/60)

(Navy Orders 8/74 and 242/74)

**Section 4****EQUIPMENT, STORES AND SERVICING****UNCLASSIFIED****293/75—Accounting Stores—Mess Gear—Accounting and Replenishment Procedures**

1. The purpose of this Navy Order is to inform ships and establishments that future accounting for items of mess gear is to be in accordance with ABR 4.

2. No further reference should be made to ABR 93 Part 1 Chapters 17-23 inclusive, which are to be ruled through as superseded by ABR 4 quoting this order as authority.

3. The following procedures are to apply in issues of mess gear to official residences/married quarters and laundering of mess linen:

- a. (1) Mess gear is to be issued to official residences and married quarters as follows:
  - (a) Commanding Officers occupying official residences, in accordance with the scale appropriate to their rank;
  - (b) Personnel occupying married quarters in tropical areas, in accordance with the appropriate scale;

(c) Royal Navy Exchange or Loan Officers allotted houses or flats in Canberra, in accordance with the appropriate scale.

(2) An annual rental charge calculated at 8 per cent of the value of items supplied, is to be recovered from the occupant. This charge may be waived for a Commanding Officer occupying an official residence for which a special rental, deemed to cover all such charges, has been determined, or for personnel occupying married quarters in tropical areas if they have their normal requirements of kitchen utensils and equipment stored at Government expense.

b. Issues of consumable items to official residences and married quarters in tropical areas, are to be written off ledger charge but are to be recorded in the appropriate Furniture Inventory.

c. Issues to official residences and married quarters in tropical areas, are not to exceed the allowances in the appropriate scale and a receipt is to be obtained on Forms SX100/SA207.

d. The cost of laundering mess linen is accepted as a charge against public funds. Mess linen includes cloths, tea/glass; dusters, check; cloths, table, linen; and napkins, table, linen.

e. All accounting procedures and forms used are to be in accordance with instructions contained in Chapter 18 except as detailed hereunder:

(1) Official residences and married quarters in tropical areas:

(a) Permanent and consumable mess gear issues are to be recorded in the appropriate Furniture Inventory (SD102-9 Series) and an annual rental charge of 8 per cent of the total FIP value applied. Variations to this rental charge are only to be made in accordance with Article 3305.

(b) Where waiver of rental charges has been approved, the certificate to this effect is to be enclosed with the relevant Furniture Inventory.

(2) Issues of permanent and consumable mess gear to Flag Officers are to be recorded and accounted for in Inventory Accounts as detailed in Article 1924.

(3) A record of consumable mess gear in accordance with the appropriate scale is to be included at the rear of the relevant PLL Account for a particular mess, cafeteria, galley, bakery, etc. A separate page is to be used for each item.

4. ABR 4 will be amended.

(N20/9/2)

**UNCLASSIFIED****294/75—General Stores—Introduction—Allowances—Brush Washing Equipment**

1. Brush washing equipment is being introduced into the RAN to alleviate the superstructure and ship side cleaning tasks in HMA ships.

2. A complete set of equipment comprises the following items:

Class	Catalogue Number	Description	UI	CL	Quantity per set
7920	99-924-4442	BRUSH CLEANING .. .. .	EA	P	1
7920	99-924-4443	CONTROL TAP .. .. .	EA	C	1
7920	99-924-4444	TUBE EXTENSION 6 feet .. .. .	EA	C	1
7920	99-924-4445	TUBE EXTENSION 3 feet .. .. .	EA	C	1 No per 3 sets carried
4820	99-445-9118	TAP SCREW DOWN $\frac{3}{4}$ " .. .. .	EA	C	1
0254	4085	HOSE CLIPS .. .. .	EA	C	2
4720	66-034-0954	HOSE $\frac{1}{2}$ " (120 feet) .. .. .	FT	C	1
4730	66-013-9042	ADAPTOR $\frac{3}{4}$ " WATER TAP TO $\frac{1}{2}$ " HOSE	EA	C	1

3. Allowances of complete sets and weight compensation required are as follows:

Ship	Quantity (Sets)	Weight Compensation
MELBOURNE .. .. .	12	Nil
SUPPLY .. .. .	12	Nil
STALWART .. .. .	12	Nil
HOBART .. .. .	3	315 lb
PERTH .. .. .	3	315 lb
BRISBANE .. .. .	3	315 lb
SWAN .. .. .	3	Nil
TORRENS .. .. .	3	Nil
YARRA .. .. .	3	Nil
PARRAMATTA .. .. .	3	Nil
STUART .. .. .	Nil	..
DERWENT .. .. .	Nil	..
DUCHESS .. .. .	3	Nil
VAMPIRE .. .. .	3	Nil
VENDETTA .. .. .	3	Nil
MORESBY .. .. .	3	315 lb
FLINDERS .. .. .	2	Nil
DIAMANTINA .. .. .	2	Nil
KIMBLA .. .. .	1	Nil

Proposals for weight and moment compensation require Department of Defence (Navy Office) approval prior to demanding this equipment.

4. It is known that many ships are already fitted with upper deck washing arrangements of varying types. Where these arrangements are compatible with the brush washing equipment, ships are only to draw off those extra components to complete to the allowances given above.

5. Demands to complete to the allowances should be forwarded to the appropriate Superintending Stores Officer, Sydney.

(514/56/110)

## Section 5

### BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

#### UNCLASSIFIED

#### 295/75—Information Concerning and Distribution of Publications and Amendments Managed by Executive Officer Publications, Sydney—July 1975

1. The Annexe lists publications and amendments distributed during July 1975.
2. Allowances for ships and establishments, as distinct from gratuitous and repayment issues will be issued without demand by the Publications Authority, Garden Island, NSW, in accordance with an approved scale and automatic updating is provided.
3. Holders of basic publications are reminded that only those issues recorded on NAVPUB will be updated without demand (Navy Order 158/74 refers).
4. Changes issued to publications held as advance copies or to publications not on general distribution are not reflected in Navy Orders.

#### Gratuitous Issues

5. Where it has been decided that a gratuitous or personal issue of a publication will be made, a Navy Order detailing the basis of issue and the personnel concerned, and instructing ships and establishments to obtain their requirements, for this purpose through their Supply Officer will be promulgated.

6. Supply Officers should place demands on the Publications Authority, Garden Island, NSW, for the total number of copies required in their respective ships or establishment, on Form SO150 (Navy Order 236/74 refers), stating the reason for the requirement and quoting the relevant Navy Order. The publications are to be accounted for by the Supply Officer in accordance with ABR 4, Article 1301 and Article 2512.

7. Automatic updating is not provided for copies of publications on gratuitous issue and demands for updating should be placed on the Publications Authority, Garden Island, NSW, upon notification of its availability in Navy Orders. Form SX40 should be used for demanding changes and the form should clearly state 'Required for amending Personal Issue Copies'.

#### Repayment Issues

8. If it has been approved that a publication should be made available from Departmental stocks, for sale to certain categories of personnel, a Navy Order will be promulgated detailing the basis of issue and the rate to be charged to personnel concerned.

9. Supply Officers should place demands on the Publications Authority, Garden Island, NSW, for the copies required, on Form SO150 quoting the reason for requirement and the relevant Navy Order. The publications are to be accounted for by the Supply Officer in accordance with ABR 4, Chapters 13 and 25.

10. Automatic updating is not provided for copies of publications issued on repayment, and demands for updating should be placed on the Publications Authority, Garden Island, NSW, upon notification of its availability. Again, Form SX40 should be used for demanding these changes and the form should clearly state 'Required for amending Repayment Issue Copies'.

11. Issues, etc, of periodicals and magazines are not included in monthly Navy Orders.

## ANNEXE A

## Initial Issue of Basic Publications to Approved Holders

Publication No	Title	Edition
AAP 7113-004-4A-2 ..	HS748 (Rolls Royce) Dart Engines Mark 550-2-RAAF List of Assessed Spares	75
AAP 7272-433-3M ..	Hydraulic Pump	72
AAP 7831-044-2M ..	Sunair ASB 100A H/F Radio Repair Manual	73
AAP 7831-052-3M ..	VHF AM Radio AN/ARC 115 Radio Manual	73
AAP 7832-032-3M ..	Auto Direction Finder ARN/89 Repair Manual	74
AAP 7842-021-2M ..	Electronic Altimeter Set AN/APN-171	74
APRAN 91 ..	Minipan Camera 35 mm Operation, Maintenance, Overhaul and IPB	75
APRAN 300-5-2-2 ..	Sea King—Arming and Re-arming Procedures	73
APRAN 2061 ..	TM1 and DM With IPB Hydraulic Reeling Machine Circuit Breaker Transducer	70
AP 110G-0002-15F ..	EM Release Units Type L MK2	73
AP 110G-0121-125F ..	Wessex Stores Carrier	72
AP 112G-0306-3AN ..	Artificial Horizons MK6 Series	74
AP113E-0348-13A6 ..	Planair Axial Flow Blower Type 3 PL 241-176	74
BR 21 ..	Browns Flags and Funnels	71
BR 38 (1) ..	Customer Codes Pt 1 MOD (N) Ships Services Write Off Headings	74
BR 38 (2) ..	Government Departments Other Than MOD (N)	74
BR 38 (3) ..	Repayment Services Commonwealth and Foreign Governments	74
BR 38 (4) ..	Customer Codes Pt 4 Repayment Services Private Individuals	—
BR 2170 (4) ..	Ship NBC Manual V4 Catalogue of NBCD Store—H.S. Submarines	73
BR2525 WP88308/04 ..	GDS For Hermes Less Sights	71
GWESS 1121/8 EDN2	Seacat Guided Missile MK1 Mod 1 Test Set Guided Missiles	—
MBR 10179 ..	Decca Transair Ship Manual RM/TM Equipment Issue 3	73
NAVSUP 4300 ..	Master Cross Reference List Parts 1 and 2 (Microfiche) July	75
NA 01-40AVD-4-5 ..	Electrical Power and Electronics Technical Manual	70
NA 02B-10DAA-6-1 ..	J. 52-P-6A/8A Aircraft Engine Pratt and Whitney	75
NA 02B-10DAA-6-2 ..	J. 52-P-6A/8A Aircraft Engine (P and W) Depot Maintenance Instructions	75
NA 02B-10DAA-6-4 ..	J. 52-P-6A/8A Engine Complete Engine Repair Requirements	75
NA 03-100F-44 ..	Vent Valve (Hyair) Overhaul Instructions W/PB	74
NA 05-40BC-501 ..	Indicator Tachometer 'Lewis' P/N77B36N	—
NA 05-55G-501 ..	Transmitters Synchro Style Pressure Gauge	55
NA 11-1-107 ..	Signal, Underwater Sound (SUS), Description, Operations and Handling Instructions	71
NA 11-75A-53 ..	Guided Missile, AIM-9B Sidewinder, Operating and handling Instructions	70
NA 15-02-500 ..	Technical Manual Preservice Uninstalled Aircraft Engines	68
NA 17-15AD-7 ..	Remote Trimmer Power Assy With Adaptors	63
NA 17-15AD-8 ..	Remote Trimmer Power Assy IPB	63
NA 17-15CN-2 ..	Stall Warning Test Set Operation Service Instructions	72
OP 2173V2 ..	Catalogue of Handling Equipment to Weapons and Explosives	71
OS9759 ..	Primer M42G	—
TEM-2815-0006 ..	Lombardini-Powered Emergency Fire Pump Maintenance and Spare Parts Manual	—
TEM-4320-0004 ..	Alloycraft Alpha Dump Manual and Spare Parts	—

## ANNEXE A—continued

Publication No	Title	Edition
TP 44-H1-1-117 ..	Helicoil Inserts	—
WAP 105C-0427-13A	Valve De-Icing—Dunlop PT ACM 25488	68
WAP 112B-0102-13A	Servo Components Synchros (Sperry) Pub-1110	—
WAP 112B-0103-13A	Servo Components Motor Generator Tacho (Sperry)	—
WAP 113E-0506-13A6	Starter Motor—Rotax Type 'C' 13500 series	69
WAP 113L-0101-13A(N)	H.E.I.U. C44TS4—Ignition Unit	68
WAP 116B-0301-13A	ADF370S Overhaul Marconi Manual	—
WAP 119F-0512-13A	Coventry Victor Vixen Service Schedules and Spare Parts	—

## ANNEXE B

## Amendments Issued to Approved Holders of Publications

Publication No	Amendment/Change
AAP-ABO-SA ..	A29, A30, ISS 241
AAP-ABO-SE ..	E67, E68, E69
AAP-ABO-SF ..	F55, F56
AAP-ABO-ST ..	T45
AAP-1125 V1V2V3	27
AAP-7000.002-1B1	SCPO 8/75
AAP-7001-007-1	15
AAP-7002.012-2	26
AAP-7053.002-1	11
AAP-7210.010-2-2	1, 2
AAP-7210-010-100	19
AAP-7211.005-100	128
AAP-7211.006-4A-1	8
AAP-7211.015-1	1
AAP-7212.001-2-3	36
AAP-7212.001-6-6	8
AAP-7212.001-100	236
AAP-7217-076-3	11
AAP-7293-055-3	8, 9, 10
AAP-7411-005-3M	11
AAP-7411-010-3M	12, 13
AAP-7453-024-3	5
AAP-7511-003-3M	6
AAP-7512-012-3M	4
AAP-7513-018-3M	2
AAP-7513-054-3	4
AAP-7513-056-3	2, 3
AAP-7514-047-3M	7
AAP-7515-009-3M	5
AAP-7515-013-3M	3
AAP-7516-012-3M	4

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Publication No	Amendment/Change
AAP-7521-003-3M	14
AAP-7531-044-3M	3
AAP-7532-021-3M	11
AAP-7532-028-3M	6
AAP-7533-007-3M	6
AAP-7533-015-3M	16
AAP-7644-026-1M	1, 2
AAP-7832-022-3M-2	4, 5
ABR-1077	15
ABR-5018	32
ABR-5020	10
ABR-5168	5
APRAN 8BV7	1
APRAN 8V2B1B2B3	AIL 308
APRAN 9ABV2	TL 103
APRAN 19V4P1	120
APRAN 19V5P1P2P3	45
APRAN 19V7	1
APRAN 63V2	39
APRAN 77	5
APRAN 78	3, 4
APRAN 81	1
APRAN 100V1P16	7
APRAN 100V2P2	27
APRAN 100V2P6	47
APRAN 100V2P7	126
APRAN 100V2P8	101
APRAN 100V2P9	64, 65
APRAN 100V2P10	87, 90
APRAN 100V2P11	56, 63
APRAN 300-1-4-1	18, 19
APRAN 300-1-4-2	19, 20
APRAN 300-2-1	INDEXWSK, WSKINDEX, WSK70-2, WSK82-1A, WSK92-1, WSK95-1
APRAN 300-5-1	1
APRAN 300-5-3.1	1
APRAN 300-6-2	14
APRAN 300-8-1	10
APRAN 500V2P1	265, 266, 267, 268
APRAN 500V7	1
APRAN 600V2PII2	132, 133, 134
APRAN 600 V5P1S312	6
APRAN 600V7	1
APRAN 2096	TS063, TS064
AP 100Z-0201	CL3/75
AP 102C-0708-1	21, 22
AP 104F-1004-16	RAN 001
AP 107D-1002-1	7
AP 108D-0001-5FN	3, 7
AP 108E-0501-1	4
AP 108F-0001-5FN	6
AP 108F-0103-5FN	3

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Publication No	Amendment/Change
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AP 108F-0203-5FN	2
AP 108F-0203-12	12
AP 108F-0604-12	14
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AP 3456E	4
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BR 3114 .. .. .	6
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MBR 8074 .. .. .	SUPP 016
MBR 8868 .. .. .	COR 6/75, COR 7/75
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NA 01-1A-17 .. .. .	RAC 001
NA 01-40AV-1T .. .. .	RAN 001
NA 01-40AVC-2-2-2 .. .. .	RAN 015
NA 01-40AVC-2-2-4 .. .. .	RAN 009
NA 01-40AVC-2-8 .. .. .	RAN 001
NA 01-40AVC-4-6 .. .. .	RAN 001
NA 01-40AVC-6 .. .. .	3
NA 01-40AVC-6-3 .. .. .	2
NA 01-40AVD-1-4 .. .. .	RAN 008, 750515
NA 01-40AVD-2-9 .. .. .	RAN 001
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NA 01-85SAD-1 .. .. .	2
NA 01-85SAD-1B .. .. .	RAN 002
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NA 01-85SAD-4-4 .. .. .	RAN 009
NA 02B-10DAA-6-2 .. .. .	RAN 011, RAN 012
NA 03-5AA-126 .. .. .	RAN 001

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Publication No	Amendment/Change
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NA 03-10JE-6 .. .. .	RAN 001
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NA 05-30-95 .. .. .	6, 5
NA 11-5D-20 .. .. .	1
NA 11-70FF-8 .. .. .	RAN 003, RAN 004
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NA 13-1-6-5 .. .. .	RAC 001, RAC 002
NA 15-02-500 .. .. .	3
NA 16-30APN141-2 .. .. .	1
NA 16-30APS 88-3 .. .. .	1
NA 16-30-AQA 3-2-2 .. .. .	RAN 007
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(465/61/228)

(Navy Orders 158/74 and 236/74)



RESTRICTED

Historian  
Victoria Barracks  
Melbourne

ANO 296/75



# AUSTRALIAN NAVY ORDER

CONTENTS

Navy Office, Canberra,  
22 October 1975.

The enclosed order is promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

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- b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 4718.

## CONTENTS

No	Title
<b>SECTION 4—EQUIPMENT, STORES AND SERVICING</b>	
296/75	Calibration of Guns by Radio Doppler—Muzzle Velocity Measurement Equipment—Instructions—Use of Results.

## Section 4

## EQUIPMENT, STORES AND SERVICING

## RESTRICTED

**296/75—Calibration of Guns by Radio Doppler—Muzzle Velocity Measurement Equipment—Instructions—Use of Results**

1. Muzzle velocity calibration is now carried out using pre-production units of the Muzzle Velocity Indicator Mark 2 (MVI Mark 2). When MVI Mark 2 production units become available, they will be installed permanently in ships and will be operated and maintained by ships staffs.

**Present Location, Maintenance and Operation of Equipment**

2. Two MVI Mark 2 pre-production units are held in Sydney under the control of Inspector of Naval Ordnance (Sydney) and maintained and operated by members of his staff. MV calibration will normally be provided in the Sydney area only; special arrangements can be made for calibration in the Melbourne area.

**Frequency of Calibration**

3. Ships fitted with 4.5 inch guns are to calibrate:

- a. on commissioning, on completion of a long refit or as early as possible in the workup;
- b. once per year as convenient—this calibration may be covered by a. during the first year of a two year cycle.

4. Ships fitted with 5 inch/54 calibre guns:

- a. on completion of long refit and on exchange of barrels;
- b. every 300 rounds when on the Australia Station; and
- c. as requested by FOCAF (FGO).

**Requests for Calibration**

5. When a calibration is required, a signal to this effect is to be sent to Inspector Naval Ordnance (INO) (Sydney) giving at least one week's notice whenever possible. (In cases of operational necessity it may be possible to provide the equipment within 48 hours.) It should be borne in mind that the MV calibration team provides other services to the Fleet and some co-ordination may be necessary.

**Calibration Team Provided by INO (Sydney)**

6. This will normally consist of one or two civilians who will embark, align and check the equipment and operate it during the calibration.

**Calibration Procedure**

7. INO (Sydney) will issue an information pack for muzzle velocity calibration to all ships which will require MV calibration. Further copies of the information pack are available from INO (Sydney) should they be required. The information pack contains instructions for the conduct of calibrations and includes notes on embarkation and disembarkation of the equipment, preparations to be made by the ship, provision of ammunition and measurement of gun wear. The information pack, which includes samples of the relevant forms, is reprinted as Annexe A to this order.

8. Equipment embarkation will be arranged by INO (Sydney) with ship's staff.

9. The ship is to initiate the normal action regarding the application for a firing area.

10. A calibration will require the firing of three series, each series consisting of one warmer plus six rounds per gun. A minimum period of six hours is to elapse between individual series. Unless exceptional circumstances prevail, no additional rounds should be fired between 1 inch C of R measurements prior to and on completion of MV calibration.

#### Calibration Report

11. This will be compiled by the Inspector of Naval Ordnance, and will be forwarded to Navy Office (for the Director of Naval Ordnance Inspection), the Flag Officer Commanding Her Majesty's Australian Fleet and the ship. The basis of the calibration report is the 'Analysis of Calibration', an example of which is shown as Annexe B. The result of the 'Analysis of Calibration' is a 'Standard Muzzle Velocity' for each barrel, which applied to the barrels at mid-series of the calibration.

#### Between Calibrations

12. Between calibrations the standard MV obtained from the last calibration should be adjusted for rounds fired since that calibration, in accordance with the difference figure quoted in Section A, Part 1 of the 4.5 inch Mark 5 Range Tables or NAVORD OP 1182 or OP 1184, as applicable. It should be noted that the adjusted figure is still a 'standard MV', and must be further adjusted by all the applicable corrections set out in BR 1898 (10) to arrive at the expected actual MV for a particular shoot.

#### Delayed Calibrations

13. In cases where 1½ or more series have been fired since the last MV calibration (4.5 inch, 450 rounds; 5 inch, 1,000 rounds), and subsequent wear measurements have been taken by the local Inspecting Officer without a further calibration being made, the data obtained from the previous calibration is no longer valid. In this case MV should be established from the latest wear measurement and corrected as in Paragraph 12.

14. Navy Order 272/72 is hereby cancelled.

### ANNEXE A

#### Information Pack Covering the Conduct of MV Calibration Firings, Using the MV Indicator Mark 2

Notes: 1. These instructions should be read in conjunction with Navy Order 296/75.

2. Further copies of these instructions can be obtained from INO (Sydney) if they are required.

1. Navy Order 296/75 lays down the general approach to MV calibration and gives sufficient information to the ship to enable arrangements to be made for an MV calibration. These instructions are intended to provide the additional technical information needed to allow the ship to carry out the calibration with the assistance of INO (Sydney) staff.

#### ANNEXE A—continued

2. The MVI Mark 2 units are held by INO (Sydney) who is responsible for maintenance, operation, embarkation and disembarkation of the equipment. The following telephone numbers may be useful:

INO	..	..	359 3692	} May change in near future.
Engineer CI 3	..	..	359 3702	
STO.1	..	..	359 3684	

It should be pointed out that as the only MVI Mark 2 pre-production units are held in Sydney, calibration can now be provided only in the EAA except in special circumstances.

#### Preparations by the Ship

##### 3. a. Provision of Ammunition

Ammunition allowed for MV calibration is in addition to the normal practice allowance:

(1) Shell—the following shell are suitable for doppler calibration:

- 4.5 inch Practice SU (D) Mark N1, N2, N3 and N4 fuzed 230/AN2 or PRF 230/AN2,
- HE Mark N3, N10 or N12 fuzed 230/AN2 or PRF 230/AN2, and
- 5 inch Standard Shell.

(2) Charges—it is important that the entire calibration of a ship (including warmer rounds) be done with one propellant lot.

(3) For a normal 3 series calibration, a total of 21 rounds per gun will be required.

Notes: 1. In peace-time, for reasons of economy, 4.5 inch practice SU or SU (D) shell should be used if available. Stocks are retained by armament depots for MV calibrations and should be demanded as required in time to allow delivery prior to the calibrations.

2. Shell fitted tracer are NEVER to be used for calibrations.

##### b. Propellant Temperature

Because propellant temperature has a considerable effect on muzzle velocity, it is necessary to record the temperature of the charges so that an accurate estimate of the propellant temperature can be made for the moment of firing.

Ships staff are to place one thermometer in each magazine, adjacent to the propellant charges to be used for the calibration, at least 48 hours before the calibration is due to commence. Wherever possible, a recording thermometer should be used. Suitable units may be available from INO (Sydney). Failing the availability of a recording thermometer, a mercury/glass thermometer may be used. In this case, its reading should be recorded once every four hours for the 48 hours preceding the calibration. Readings should be recorded to an accuracy of plus or minus one half a degree.

## ANNEXE A—continued

During the calibration shoot, cartridges should be brought up to the gun-house one at a time, immediately before each is to be fired, so that temperature change in the propellant is reduced to a minimum.

c. *Preparation of Guns*

Guns are to be prepared as follows before calibration firing:

- (1) clean bore by passing dry piasaba as many times as is necessary;
- (2) use dry rag wrapped round piasaba to remove all traces of oil remaining.

*Note:* Reference should be made to Handbook on cleaning bores and chambers which is expected to be issued by FOCAF to maintainers shortly.

Random errors may occur in MVs if guns are not prepared in this uniform manner before each series is fired.

d. *Gun Wear Measurement*

Guns to be calibrated should be measured before the calibration and on return to harbour immediately afterwards. INO (Sydney) will arrange for wear measurements when requested.

e. *Embarkation and Disembarkation of Equipment*

INO (Sydney) will arrange embarkation and disembarkation of equipment. Ship's assistance will be required.

**Calibration Procedure**

4. a. A three series MV calibration firing is to be conducted for all calibrations, each series consisting of one warmer plus six rounds per gun. A minimum period of six hours is required between individual series in each gun. Paragraph 10 Navy Order 296/75 is relevant.
- b. The rate of fire in each series will normally depend upon the supply of cartridges from the magazine (*see* Paragraph 3 b. above). The MVI Mark 2 gives an instantaneous readout of muzzle velocity and so, apart from recording each MV, the rate of fire should not be affected by the instrumentation. While there is no need to hurry the firing of a series, long delays between rounds may cause minor random errors due to changes in atmospheric conditions. In order to assist the operator, the officer conducting the calibration should give a countdown (5 to Fire) as part of the routine of ordering Fire.
- c. When new guns are being calibrated, the phenomenon of 'hump' may be encountered. This is an unexplained rise in MV above that expected from the range tables and sometimes occurs over the first 2-300 rounds fired.
- d. It should be realised that the results of each MV calibration of 4.5 inch guns are forwarded to MOD (Navy) and these, together with results received from RN ships are used in the review of range tables. Similarly, the results of each MV calibration of 5 inch guns are forwarded to the USN. The mean MVs of each series of a three series calibration will differ from each other and from the range table to some extent, although the mean of the three series should be close to the MV predicted by the range tables. In the case of 4.5 inch guns, where the mean muzzle velocity for

## ANNEXE A—continued

one or more guns over the full three series, varies from the range tables (MV/Wear table) by more than plus or minus 10 feet per second, this fact is to be reported by signal to DEFNAV Canberra giving details. The variations in MV which are encountered from series to series in a gun cannot be fully explained but the cause is probably the interaction of a number of variations due to such things as small differences in charge temperatures, lack of uniformity in gun bore preparation (Paragraph 3 c. above), varying ramming distances (particularly in worn guns), changes in atmospheric conditions, etc.

**Calculation of MV**

5. a. Included in this information pack are copies of proforma for recording the information required, and for the calculation of MVs. The final result of a three series MV calibration will be a Standard Muzzle Velocity (SMV) for each gun. This SMV for each gun is to be used as the basic MV for future firings, kept up to date for EFCs fired.
- b. It should be noted that, before setting on the fire control equipment, adjustment should be made for sigma effect obtained from the range tables, and for the various corrections necessary as set out in BR 1898 (10). INO (Sydney) will complete the Analysis of MV Measurement over whole Armament (Annexe B to Navy Order 296/75) and forward copies to Department of Defence (Navy Office), FOCAF and the ship concerned.

## Proforma MV 1

## MUZZLE VELOCITY CALCULATIONS

## 1. BASIC DATE

Ship.....Gun.....Mk.....Reg. No. of barrel.....

Date.....Place.....Reg. No. of gun.....

Range Table used.....Mounting.....

Barometer...../.....Series Nos...../...../.....

Temperature.....Projectile.....

Propellant...../.....Fuze.....

\* Propellant.....

\* Lot No. or Powder Index.....

(\* Delete whichever is inapplicable)

ANNEXE A—continued

2. ESTIMATED MV ( $V_m$ )

From measurements (Mechanical Means)

WEAR

	HORIZONTAL	VERTICAL	MEAN	ROUND No.
Before firing Series 1.				
After firing Series 3.				
At Mid-series 2.				

Estimated MV ( $V_m$ ) at mid-series 2 from:

- \* (a) Section A, Pt. 1 of BR2050 (RT641) dated .....
- \* (b) OP.1184 (1st Rev.) Change.....Page 53

(\* Delete whichever is inapplicable)

Notes: (i) In full or modified 3 series calibrations, where more than about 12 rounds are fired between series for purposes other than calibration (eg gunnery practices) each series should be taken separately for the purpose of estimating  $V_m$ . (The wear at mid-series 2 will no longer be sufficiently accurate.)

(ii) When a calibration consists of 1 series only, or when (i) above applies, this Section should be adjusted to suit.

Proforma MV 2

MV RECORD

SHIP ..... TIME .....

TURRET ..... DATE .....

BARREL .....

SERIES .....

MAGAZINE TEMP .....

TEMP. CORRECTION FORMULA  $\left\{ \begin{array}{l} 4.5^\circ: -0.8 (70 - T^\circ F) \\ 5.0^\circ: -1.2 (90 - T^\circ F) \end{array} \right\}$

ANNEXE A—continued

ROUND	INDICATED MV Ft/Sec	VALID OR NON VALID	TEMP CORRECTION Ft/Sec	TEMP CORRECTED MV Ft/Sec
WARMER				
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
			MEAN MV (AMV)	
			STD DEV (S)	
			SPREAD	
			ALLOWABLE SPREAD	
			(AMV $\pm$ 2S)	

ANNEXE A—continued

Proforma MV 3

SUMMARY OF RESULTS

SHIP .....

TURRET .....

BARREL .....

	SERIES		
	1	2	3
MEAN TEMPERATURE CORRECTED MV Ft/Sec (AMV)			
PROJECTILE/FUSE CORRECTION Ft/Sec + OR -			
PROPELLANT CORRECTION Ft/Sec + OR -			
FINAL CORRECTED MV Ft/Sec (SMV)			
EXPECTED MV FROM RANGE TABLES (VM)			
SMV—VM			
STANDARD DEVIATION (S)			

MEAN SMV (ALL SERIES) .....

ROUNDS FIRED IN CALIBRATION .....

MAX. MV ..... SERIES .....

ROUND .....

MIN. MV ..... SERIES .....

ROUND .....

MAX SPREAD (ALL SERIES) .....

ANNEXE A—continued

Proforma MV 4

CORRECTION DATA

PROJECTILE AND FUSE

4.5"	SUP SU(D) HE FUZED 230 OR AN2, OR PRF 230 OR AN2	+14 Ft/Sec
5.0" 54 Cal	STANDARD SHELL AND FUZE (BL and P and VT non frag)	0 Ft/Sec

PROPELLANT

4.5"	PROPELLANT LOT NO :—ALL MDK and MEC FOR OTHERS SEE BR 2050 (641)	0 Ft/Sec
5.0" 54 Cal	POWDER INDEX ALL	0 Ft/Sec

## ANNEXE B

## Analysis of MV Measurement over Whole Armament

Note: When 1 series per gun ONLY, is fired, the results should be entered opposite *Series 1*.

Ship..... Date(s)..... Place .....

Armament..... Guns in Mark..... Turrets

$V_m$  = Estimated MV at mid series, in Ft/Sec.

SMV = Standard MV, ie, observed velocity for standard RT conditions, in Ft/Sec.

S = Standard deviation for series, in Ft/Sec.

Gun	Series	SMV	$V_m$	SMV minus $V_m$	S	Mean wear (mid-series)	Round No. (start and finish)
R of A	1	2402			9.12		110
	2	2396			10.5	0.54	
	3	2410			8.8		131
	Mean	2403	2406	-3			
L of A	1	2325			13.4		740
	2	2350			14.8	.200	
	3	2300			12.2		761
	Mean	2325	2293	+32			
R of B	1	2419			10.1		95
	2	2415			11.8	.035	
	3	2417			10.5		116
	Mean	2417	2418	-1			
L of B	1	2404			9.0		115
	2	2399			12.0	.057	
	3	2397			9.5		136
	Mean	2400	2408	-8			
R of X	1						
	2						
	3						
	Mean						
L of X	1						
	2						
	3						
	Mean						

Remarks

(736/252/22)

(Navy Order 272/72)

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2079

APPENDIX B

Appendix B to Management and Reporting System

1. The following table lists the major components of the system.

2. The following table lists the major components of the system.

Component	Description	Location	Responsible Party	Status
1	...	...	...	...
2	...	...	...	...
3	...	...	...	...
4	...	...	...	...
5	...	...	...	...
6	...	...	...	...
7	...	...	...	...
8	...	...	...	...
9	...	...	...	...
10	...	...	...	...
11	...	...	...	...
12	...	...	...	...
13	...	...	...	...
14	...	...	...	...
15	...	...	...	...
16	...	...	...	...
17	...	...	...	...
18	...	...	...	...
19	...	...	...	...
20	...	...	...	...
21	...	...	...	...
22	...	...	...	...
23	...	...	...	...
24	...	...	...	...
25	...	...	...	...
26	...	...	...	...
27	...	...	...	...
28	...	...	...	...
29	...	...	...	...
30	...	...	...	...
31	...	...	...	...
32	...	...	...	...
33	...	...	...	...
34	...	...	...	...
35	...	...	...	...
36	...	...	...	...
37	...	...	...	...
38	...	...	...	...
39	...	...	...	...
40	...	...	...	...
41	...	...	...	...
42	...	...	...	...
43	...	...	...	...
44	...	...	...	...
45	...	...	...	...
46	...	...	...	...
47	...	...	...	...
48	...	...	...	...
49	...	...	...	...
50	...	...	...	...
51	...	...	...	...
52	...	...	...	...
53	...	...	...	...
54	...	...	...	...
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57	...	...	...	...
58	...	...	...	...
59	...	...	...	...
60	...	...	...	...
61	...	...	...	...
62	...	...	...	...
63	...	...	...	...
64	...	...	...	...
65	...	...	...	...
66	...	...	...	...
67	...	...	...	...
68	...	...	...	...
69	...	...	...	...
70	...	...	...	...
71	...	...	...	...
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74	...	...	...	...
75	...	...	...	...
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77	...	...	...	...
78	...	...	...	...
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80	...	...	...	...
81	...	...	...	...
82	...	...	...	...
83	...	...	...	...
84	...	...	...	...
85	...	...	...	...
86	...	...	...	...
87	...	...	...	...
88	...	...	...	...
89	...	...	...	...
90	...	...	...	...
91	...	...	...	...
92	...	...	...	...
93	...	...	...	...
94	...	...	...	...
95	...	...	...	...
96	...	...	...	...
97	...	...	...	...
98	...	...	...	...
99	...	...	...	...
100	...	...	...	...

TABLE 1. Major components of the system.

TABLE 2. Major components of the system.

TABLE 3. Major components of the system.

**RESTRICTED**



Historian  
Victoria Barracks  
Melbourne

ANOs 297/75 - 298/75



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Navy Office, Canberra,  
23 October 1975.

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- c. telephoning Navy Office, Canberra 65 4718.



BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS	297/75
AIRCREW	901711	BATC	CERBERUS	35	27.01.76 14.06.76	12.03.76 04.08.76	10 6-8	1. Observers 2. Includes 5 days AVMED RAAF Pt Cook	
				30	15.03.76 14.06.76 AUG 76	23.04.76 23.07.76 TBP	6 6 6	Pilots Pilots Pilots	
	901100/1	Pilot 98 99 100 101	RAAF PT Cook/ Pearce	58 wks	02.02.76 26.04.76 19.07.76 SEP 76	TBP TBP TBP TBP			
	901102	Observer No. 5	RAAF East Sale	38 wks	17.03.76	10.12.76	10		
	901103	ATCO	RAAF East Sale	18 wks	09.08.76	1977	3		6
	901104	FIC	RAAF East Sale	14 wks		TBP	4		
	901105	QHI	RAF Ternhill			TBP			
	901106	QUADRADAR	RAAF East Sale	6 wks		TBP	1		
	901110	Adv Nav.	RAAF East Sale	19 wks	19.01.76	28.05.76	2		
	901144	Forward Air Controller	RAAF Williamtown	2 wks	09.08.76	27.08.76	2	901510 pre-requisite	

BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS	297/75
								for A4G pilots	
	901117	Base Flying Safety Officer	RAAF TBP	2 wks		TBP	2		
	901115	Tracker TACCO	ALBATROSS	14 wks	21.06.76	01.10.76			
	901127	Wessex Conversion	ALBATROSS	As req'd	As arranged				
	901080	Sea King OFS	ALBATROSS	-	06.09.76 06.09.76	05.11.76 17.12.76		Pilots Observers and Aircrewman	
	901079	Sea King Conversion	ALBATROSS	-	05.01.76 19.01.76	05.03.76 05.03.76		Pilots Observers and Aircrewman	7
					23.02.76	09.04.76		Pilots	
	901132	Tracker OFS	ALBATROSS		- 09.08.76	17.05.76 1977			
	901133	Skyhawk OFS	ALBATROSS		17.05.76	1977			
	901345	Aircrew Orientation	CERBERUS	24	24.05.76	25.06.76		Includes 901257	
					July 76 Oct 76	Aug 76 Nov 76			
	901123	Squadron Survival Officer	ALBATROSS	15	As arranged			After 19 SEP	297/75

BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS
	901159	EAC AVN SE Maint	ALBATROSS	20	As arranged			After 19 SEP
	915520	EAC AVN SE Maint (Skyhawk)	ALBATROSS	5	As arranged			After 19 SEP
	NN	Tracker Observer/ Sensor Operator EW	WATSON	As req'd	As arranged			
	901124	Tracker Weapons O	ALBATROSS	40	29.03.76	21.05.76		
TACTICAL	901534	Intro to Joint Warfare	RAAF Williamtown	5	08.03.76	12.03.76	8	ASLT/SBLT/ LEUT
	901510	Joint Warfare	RAAF Williamtown	10	24.05.76	04.06.76	8	LEUT/LCDR
	NN	Air Contact Officer	RAAF Williamtown	3	15.03.76 06.07.76 21.10.76	17.03.76 08.07.76 23.10.76	1	
	901509	SOJWSP	RAAF Williamtown	5	12.07.76	16.07.76	8	CMDR & above + RANR
	901094	SOTSP	WATSON	10	21.06.76	02.07.76		+ RANR
	901431	RAN Tactical	WATSON	15	19.07.76	06.08.76	12-25	
	901434	Junior Officers Tactical	WATSON	10	03.05.76 23.08.76 22.11.76	14.05.76 03.09.76 03.12.76	12-30	
	904110	CTT PWT	WATSON	8	As arranged			

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BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS
	901668	CO Desig Tactical	WATSON	3	As arranged			
	901601	Post PWO RAN Famill	WATSON	25	24.05.76 SEP 76 OCT 76	18.06.76 SEP 76 OCT 76	3-6	
	901168	A/PWO	CERBERUS (10) WATSON (25)	35	12.01.76 05.04.76 05.07.76 27.09.76	12.03.76 11.06.76 03.09.76 26.11.76	-7	
	NN	Gunnery	CERBERUS	TBP	TBP			A/PWO PJT
	NN	C/EW	CERBERUS WATSON	TBP	TBP			A/PWO PJT
	NN	TAS	WATSON	TBP	TBP			A/PWO PJT
	NN	Air Control	WATSON	TBP	TBP			A/PWO PJT
	NN	Navigation	WATSON	TBP	TBP			A/PWO PJT
	901610	PB CO Desig	WATERHEN (5 days) CERBERUS	10	02.02.76 24.05.76	13.02.76 04.06.76		and as arranged
	901611	LCH CO Desig	MORETON	5	02.02.76 24.05.76 05.07.76 16.08.76 27.09.76	06.02.76 28.05.76 09.07.76 20.08.76 01.10.76		

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BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS
	NN	NCDS CO/XO Desig	CDSC- CANBERRA	3	As arranged			
	902280	NCDS Operator	CDSC CANBERRA	15	05.04.76 09.08.76 27.09.76	23.04.76 27.08.76 15.10.76	8-10	
	NN	NCDS PWO/APWO Famil	CDSC CANBERRA	1	As arranged			
NCDS	NN	NCDS Programming Familiarisation	CDSC CANBERRA	40	17.10.76	10.12.76	3-6	WEEOs, PWOs, A/PWOs by selection
AIO	901456	AIC	RAAF Williamtown	50	TBP		4	
	904110	CTT PWT	WATSON	8	As arranged			
	901480	AIO Refresher	WATSON	10	As arranged			
	NN	CO Desig AIO	WATSON	1	As arranged			
	NN	XO Desig ND	WATSON	As req'd	As arranged			
	NN	Ship Command Test Ref	WATSON	As req'd	As arranged			
	NN	AIO	WATSON	As req'd	As arranged			
NAVIGATION	901466	Short NAV Course	WATSON	15	12.01.76 15.03.76	30.01.76 02.04.76	3-8	

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BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS
					03.05.76	21.05.76		
					15.06.76	02.07.76		
					26.07.76	13.08.76		
					06.09.76	24.09.76		
					18.10.76	05.11.76		
					29.11.76	17.12.76		
	901084	Fleet Escort NAV Course	WATSON	3	02.02.76 05.04.76 24.05.76	04.02.76 07.04.76 26.05.76		
					05.07.76	07.07.76		
					16.08.76	18.08.76		
					08.11.76	11.11.76		
					27.09.76	29.09.76		
	901458	Basic NAV General	WATSON	15	24.05.76 16.08.76	11.06.76 03.09.76		
	901459	Basic Nav Astro	WATSON	10	08.03.76 25.10.76	19.03.76 05.11.76		
	901443	Stage I NAV	WATSON	30	27.01.76 06.12.76	20.02.76 17.12.76		) Degree ) Stream
					23.02.76	05.03.76		GL (A)
					12.04.76	23.04.76		GL (B)
					02.08.76	10.09.76		SL (B)
					13.09.76	22.10.76		SL (A)
	901603	CO Desig NAV Ref	WATSON	2	As arranged			
	NN	Ship Command Test Ref NAV	WATSON	As req'd	As arranged			

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BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS
ASW	901400	SOSP	AJASS	5	06.12.76	10.12.76		+ RANR
	901404	Joint ASW Intro	AJASS	5	16.02.76 26.07.76	20.02.76 30.07.76		
	901405	Joint ASW Tactical	AJASS	10	12.04.76	23.04.76		
	901437	Demolition Supervisor	WATSON	5	23.02.76 29.03.76 24.05.76 28.06.76 02.08.76 06.09.76 15.11.76	27.02.76 02.04.76 28.05.76 02.07.76 06.08.76 10.09.76 19.11.76		
	901064	CO Desig ASW	WATSON		As arranged			
	901438	ASW Acquaint	WATSON		As arranged			
	901482	Deguassing for NAV/TAS Officers	WATSON		As arranged			
	901216	XO Desig ASW	WATSON		As arranged			
	NN	A/PWO ASW PJT	WATSON		As arranged			
SUBMARINE	901067	SM CO Refresher	WATSON	10	As arranged			
	901065	SM Attack Co-ord	WATSON	25	02.08.76	27.08.76	-6	
	901064	SM Sonar Officer	WATSON	25	08.03.76	09.04.76	-4	
	901066	SM Fire Controller	WATSON	5	06.12.76	10.12.76	-4	

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BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS
	NN	SM CTT	WATSON	2	14.01.76 21.01.76 04.02.76 09.02.76 22.04.76 26.05.76 09.06.76 23.06.76 30.06.76 01.08.76 22.09.76 03.11.76 01.12.76	15.01.76 22.01.76 05.02.76 13.02.76		OXLEY OTWAY OTWAY OVENS OVENS OXLEY OXLEY OTWAY OTWAY OXLEY OTWAY OVENS OXLEY
	NN	Junior Officers Attacks	WATSON	As req'd	26.01.76 12.04.76 26.07.76 13.12.76	30.01.76 16.04.76 30.07.76 17.12.76	-4	
	NN	PWT	WATSON	10	06.09.76	17.09.76		ONSLOW
GUNNERY	901388/ 901391	Explosives Accounting & Custody	CERBERUS	4	27.01.76 27.04.76 27.07.76 20.09.76	30.01.76 30.04.76 30.07.76 23.10.76		
	901602	CO Desig (Gunnery)	CERBERUS		As arranged			
	901620	XO Desig (Gunnery)	CERBERUS		As arranged			
DIVING	901425	Ships Diving Officer	PENQUIN	20	02.02.76 08.03.76 12.04.76	29.02.76 04.04.76 14.05.76		

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BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS
					17.05.76	13.06.76		
					19.07.76	15.08.76		
					23.08.76	19.09.76		
					27.09.76	24.10.76		
					01.11.76	28.11.76		
DIVISIONAL	901257	JO Admin	CERBERUS	20	02.02.76	27.02.76	18	IO SLEN SDEN
					01.03.76	26.03.76		
					31.05.76	25.06.76		
					18.07.76	13.08.76		IO
					23.08.76	17.09.76		EX Stage 3
PUBLIC RELATIONS	901518	PRO	DEFNAV		As arranged by DEFNAV			
HYDROGRAPHY	901530	H4	PENGUIN	90	09.08.76	12.12.76	1-8	
	903390	Hydro Refresher	PENGUIN	As req'd	As arranged			JAN-FEB & JUN-JUL only
MARINE ENGINEERING	901755	ME Intro	CERBERUS	59	01.03.76	20.05.76		
	901370	MEO Power Electrics	CERBERUS	50	26.04.76	02.07.76		
					04.10.76	10.12.76		
	901365	ENMESM Reversion to GS	CERBERUS	As req'd	As arranged			
WEAPONS ELECTRONIC ENGINEERING	901175	Ikara Management (WEEO)	RANITE	5	01.03.76	05.03.76	-4	Type 12 DE ANO 142/73 ANO 167/75

BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS
					06.09.76	10.09.76	-4	DDG ANO 142/73 ANO 167/75
	901173	Junior WEEO Acquaint	CERBERUS	10	01.03.76	15.03.76		
					10.05.76	21.05.76		
	901362	SDEN/L/R OE TO WE Conversion	CERBERUS	As req'd	16.03.76 -			
	901183	Basic Electronics	CERBERUS	35	15.06.76	03.08.76		
	901184	Telecommunications	CERBERUS	39	04.08.76	29.09.76		
	901185	Computations	CERBERUS	20	04.08.76	31.08.76		
	901186	Radar	CERBERUS	20	04.08.76	31.08.76		
	901187	Surface Weapons	CERBERUS	10	04.08.76	17.08.76		
	901178	Degaussing (WEEOs)	WATSON	As req'd	As arranged			
	902140	DDG Combat Data Systems	CDSC CANBERRA	30	12.01.76	20.02.76	3-8	Also PWO, A/PWO by selection
					08.11.76	17.12.76		
	902180	NCDS Display Maint.	CDSC CANBERRA	80	23.02.76	11.06.76	3-8	
	902190	NCDS Computor Maint.	CDSC CANBERRA	80	14.06.76	01.10.76	3-8	



BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS
AIR ENGINEERING MAINT (WEEOs)	NN	Ship/Air Station	ALBATROSS	20	As arranged			
	NN	Tracker	ALBATROSS	7	As arranged			
	NN	Skyhawk	ALBATROSS	15	As arranged			
	NN	Macchi	ALBATROSS	7	As arranged			
NEW ENTRY	901340	Orientation	CERBERUS	13	14.01.76	30.01.76		2 Courses Concurrent SLEN, DO, MO, IO IO
	901130		CERBERUS	10	30.06.76	16.07.76		
	901730	SDEN Officers on promotion	CERBERUS	10	12.01.76	23.01.76		
			CERBERUS	30	11.10.76	22.10.76		
INSTRUCTOR	901340	Orientation	CERBERUS	13	14.01.76	30.01.76		
	901257	JOAC	CERBERUS	20	02.02.76	27.02.76		
	901300	NBCD	CERBERUS	5	01.03.76	05.03.76		
	901181	IO Duties	CERBERUS	10	09.03.76	19.03.76		
	901182/ 901446	TAS/N/AIO	WATSON	55	22.03.76	04.06.76		
	901183	Basic Electronics	CERBERUS	35	07.06.76	23.07.76		
	901184	Tele Communication	CERBERUS	39	26.07.76	28.09.76		
	901185	Computation	CERBERUS	20	26.07.76	31.08.76		

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BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS
	901186	Radar	CERBERUS	20	26.07.76	31.08.76		
	901187	Surface Weapons	CERBERUS	10	26.07.76	17.08.76		
	901340	Orientation	CERBERUS	13	30.06.76	16.07.76		
	901257	JOAC	CERBERUS	20	19.07.76	13.08.76		
	901300	NBCD	CERBERUS	5	16.08.76	20.08.76		
	901181	IO Duties	CERBERUS	10	23.08.76	03.09.76		
	901182/ 901446	TAS/N/AIO	WATSON	55	06.09.76	19.11.76		
	901183	Basic Electronics	CERBERUS	35	22.11.76	01.02.77		
	901184	Tele Communication	CERBERUS	39	TBD	TBD		
	901185	Computation	CERBERUS	20	TBD	TBD		
	901186	Radar	CERBERUS	20	TBD	TBD		
	901187	Surface Weapons	CERBERUS	10	TBD	TBD		
	901470	IO Intro Met	ALBATROSS	As req'd	26.04.76	TBP		
	901188	Met Windfinding & Radar	ALBATROSS	As req'd	As arranged			
MCD	901605	CO Desig MSC	PENGUIN	10	As arranged			

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BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS
	901433	CO Desig MHC	PENGUIN	10	As arranged			
	901432	MCDO	PENGUIN		26.01.76	01.11.76	-9	Leave: 02.08.76- 22.08.76
MEDICAL & DENTAL OFFICERS	901340	Orientation	CERBERUS	13	14.01.76	30.01.76		
	901300	NBCD	CERBERUS	5	02.02.76	06.02.76		
	901195	Familiarisation	CERBERUS	15	09.02.76	27.02.76		
	901196	Familiarisation	CERBERUS	5	09.02.76	13.02.76		
	901191	Medical Officers UM	PENGUIN	10	08.03.76	19.03.76		Including civilian Doctors
	901083	Medical Officers Adv. UM	PENGUIN	10	22.03.76 01.11.76	02.04.76 12.11.76		Including civilian doctors and RANR
	901197	Foreign Officers UM	PENGUIN	60	12.01.76	02.04.76		
	901198	WM/SS Med	PENGUIN	10	As arranged			
	901192	MO AV Med	ALBATROSS	5	29.03.76	02.04.76		
LEGAL	901358	RANR Legal Officers Intro to Operations	WATSON	5	28.01.76	03.02.76		Sea 2-3 FEB

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BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS
	NN	CO Desig Naval Law	(CERBERUS ) (DEFNAV )	2	As arranged			
	NN	XO Desig Naval Law	(FOCEA ) ( )					
SECURITY	901528	Security Acquaint	PENGUIN	3	11.02.76 12.05.76 11.08.76 10.11.76	13.02.76 14.05.76 13.08.76 12.11.76		Conducted by DEFNAV
	901351	Security Officers Qualifying	PENGUIN	5	08.03.76 13.09.76	12.03.76 17.09.76		Conducted by DEFNAV
	901352	Adv. Security	PENGUIN	10	12.07.76	23.07.76		Conducted by DEFNAV
	901215	Registered Publication	PENGUIN	2	20.01.76 06.04.76 01.06.76 05.10.76	21.01.76 07.04.76 02.06.76 06.10.76		Conducted by DEFNAV
	901256	Stage 3 Security	PENGUIN	1 1/2	25.10.76	26.10.76		
SUPPLY & SECRETARIAT	NN	Supply Charge Course	CERBERUS	50	04.10.76	10.12.76		
	901606	CO Desig	CERBERUS		As arranged			
TRAINING TECHNOLOGY	901260	Training Administration	CERBERUS	10	03.05.76 06.09.76	14.05.76 17.09.76	-16	
	903630	Training Systems Acquaint	CERBERUS	1	12.01.76 19.01.76		3-	

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BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS	29/7/75
	903630				27.01.76				
					29.01.76				
					09.02.76			WATSON	
					16.02.76			WATSON	
					23.02.76			WATSON	
					25.02.76			WATSON	
					15.03.76				
					16.03.76				
					29.03.76				
					30.03.76			LEEUWIN	
					08.04.76			LEEUWIN	
					24.05.76				
					25.05.76				
					07.06.76				
					22.06.76				
					05.07.76				
					14.07.76				
					26.07.76				
					02.08.76			ALBATROSS	
					09.08.76			ALBATROSS	
					16.08.76			ALBATROSS	
					18.08.76			ALBATROSS	
					04.10.76				
					13.10.76				
					18.10.76				
					25.10.76				
					08.11.76			NIRIMBA	
					15.11.76			NIRIMBA	
					22.11.76			NIRIMBA	
					24.11.76			NIRIMBA	
					13.12.76				
	903640	Quality Control	CERBERUS	10	27.01.76	06.02.76	3-12		
					23.02.76	05.03.76		WATSON	

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BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS	29/7/75
					29.03.76	09.04.76			
					07.06.76	18.06.76		ALBATROSS	
					16.08.76	27.08.76			
					18.10.76	29.10.76			
					22.11.76	03.12.76		NIRIMBA	
	903660	Training Analysis	CERBERUS	5	12.01.76	16.01.76	3-12		
					09.02.76	13.02.76		WATSON	
					15.03.76	19.03.76			
					24.05.76	28.05.76			
					02.08.76	06.08.76		ALBATROSS	
					04.10.76	08.10.76			
					08.11.76	12.11.76		NIRIMBA	
	903670	Training Design	CERBERUS	5	19.01.76	23.01.76	3-12		
					16.02.76	20.02.76		WATSON	
					22.03.76	26.03.76			
					31.05.76	04.06.76			
					09.08.76	13.08.76		ALBATROSS	
					11.10.76	15.10.76			
					15.11.76	19.11.76		NIRIMBA	
	903600	Instructor Course	CERBERUS	7	12.01.76	20.01.76	6-8		
					21.01.76	30.01.76			
					09.02.76	17.02.76		WATSON	
					18.02.76	26.02.76		WATSON	
					09.03.76	17.03.76			
					23.03.76	31.03.76		LEEUWIN	
					01.04.76	09.04.76		LEEUWIN	
					18.05.76	26.05.76			
					31.05.76	08.06.76			
					15.06.76	23.06.76			
					28.06.76	06.07.76			
					07.07.76	15.07.76			

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BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DURATION IN DAYS	STARTING DATE	COMPLETION DATE	MIN/MAX. NOS.	REMARKS
					19.07.76	27.07.76		
					02.08.76	10.08.76		ALBATROSS
					11.08.76	19.08.76		ALBATROSS
					27.09.76	05.10.76		
					06.10.76	14.10.76		
					18.10.76	26.10.76		
					08.11.76	16.11.76		NIRIMBA
					17.11.76	25.11.76		NIRIMBA
					06.12.76	14.12.76		
NBCD	901300	Prelim NBCD	CRESWELL	5	As required			GLEX Stage I
			CERBERUS	5	02.02.76	06.02.76		MO. DO
					01.03.76	05.03.76		IO
					16.08.76	20.08.76		IO
	901301	JO NBCD	PENGUIN	10	22.03.76	02.04.76	-20	
					24.05.76	04.06.76		
					30.08.76	10.09.76		
					11.10.76	22.10.76		
					08.11.76	19.11.76		
	901302	Comb. Services Med & Dental Officers NBCD	PENGUIN	10	02.08.76	13.08.76		
	901306	NBC Prot Officers PCT	PENGUIN	3	27.09.76	29.09.76		Charge SO Desig and as arranged
	903080	RANR	PENGUIN		As arranged			
	901600	CO Desig	PENGUIN		As arranged			
	901620	XO Desig	PENGUIN		As arranged			

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BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DURATION IN DAYS	STARTING DATE	COMPLETION DATE	MIN/MAX. NOS.	REMARKS
	901702	MINPAB NBCD PCT	PENGUIN		As arranged			
	901703	Establishment Passive Defence Officer PCT	PENGUIN		As arranged			
	901070	NBCD Task PCT	PENGUIN		As arranged			
	901071	Ship MO NBCD PCT	PENGUIN		As arranged			
	901194	Officers NBCD Refresher	PENGUIN		TBP			
CIVIL DEFENCE	NN	Executive Disaster Planning	Mt Macedon	5	TBP		2	LCDR & above
	NN	Staff Officer Disaster Planning	Mt Macedon	10	TBP		2	LCDR & above
JUNIOR OFFICERS	901434	JO Tactical	WATSON	10	03.05.76	14.05.76	12-30	
					23.08.76	03.09.76		
					22.11.76	03.12.76		
	901458	Basic NAV General	WATSON	15	24.05.76	11.06.76		
					16.08.76	03.09.76		
	901459	Basic NAV Astro	WATSON	10	08.03.76	19.03.76		
					25.10.76	05.11.76		
	901168	A/PWO	CERBERUS	35	12.01.76	12.03.76	-7	
			WATSON		05.04.76	11.06.76		
					05.07.76	03.09.76		
					27.09.76	26.11.76		

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BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS
	901257	JO Admin	CERBERUS	20	02.02.76	27.02.76	-18	
					01.03.76	26.03.76		
					31.05.76	25.06.76		
					18.07.76	13.08.76		
					23.08.76	17.09.76		
	901173	Junior WEEO Acquaint	CERBERUS	10	01.03.76	15.03.76		
	901755	ME Intro	CERBERUS	59	01.03.76	20.05.76		
	901340	Direct Entry Orientation	CERBERUS	13	14.01.76	30.01.76		2 Courses concurrent
	901301	JO NBCD	PENGUIN	10	22.03.76	02.04.76		
					24.05.76	04.06.76		
					30.08.76	10.09.76		
					11.10.76	22.10.76		
					08.11.76	19.11.76		
	901253	Gunnery	CERBERUS	15	03.08.76	20.08.76		)
	901257	JOAC	CERBERUS	20	23.08.76	17.09.76		)
	901254	Comms	CERBERUS	15	20.09.76	08.10.76		) EX Stage 3
	901301	NBCD	PENGUIN	10	11.10.76	22.10.76		) * Conducted by DEFNAV
	901256*	Security	PENGUIN	1 1/2	25.10.76	26.10.76		)
	901251	ASW	WATSON	8	27.10.76	05.11.76		)
	901252	AIO	WATSON	5	08.11.76	12.11.76		)

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BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DUR- ATION IN DAYS	START- ING DATE	COMPLET- ION DATE	MIN/ MAX. NOS.	REMARKS
	901250	NAV & Bridgework	WATSON	15	15.11.76	03.12.76		)
	901255	Air & Met	ALBATROSS	8	06.12.76	15.12.76		)
	901598	SLEX Stage 1	CERBERUS	29 wks	23.02.76	10.09.76		) Stream A
			WATSON	6 wks	13.09.76	22.10.76		)
			CERBERUS		23.02.76	30.07.76		)
			WATSON		02.08.76	10.09.76		) Stream B
			CERBERUS		13.09.76	22.10.76		)
RANR	903080	NBCD	PENGUIN	14 even-ings	As arranged			WATERHEN only
	901191	MO UW Med	PENGUIN	10	08.03.76	19.03.76		
	901083	MO Adv UW Med	PENGUIN	10	22.03.76	02.04.76		
					01.11.76	12.11.76		
	902410	Adv NBCD	PENGUIN	10	As arranged			
	901434	JO Tactical	WATSON	10	03.05.76	14.05.76		
					23.08.76	03.09.76		
					22.11.76	03.12.76		
	901358	Legal Officers Intro to Ops	WATSON	5	28.01.76	03.02.76		Sea time 2-3 FEB
	901341	Orientation	CERBERUS	10	02.02.76	13.02.76		
					09.08.76	20.03.76		

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BRANCH OR GROUP	EDP NO.	COURSE	LOCATION	DURATION IN DAYS	STARTING DATE	COMPLETION DATE	MIN/MAX NOS.	REMARKS
	901055	MWV CO PCT	CERBERUS		As arranged by DEFNAV			
	901056	Naval Med. & Den. Admin.	CERBERUS	13	31.05.76	12.06.76		
	901442	AIO & Fleetwork	WATSON	10	03.05.76	14.05.76		
	901441	NAV Pt II	WATSON	10	13.09.76	24.09.76		
WRANS	947500	OTC (COMMS)	CERBERUS	10	10.05.76	21.05.76		
	947730	OTC	CERBERUS	77	23.08.76	03.09.76		
	907500	COMMS	CERBERUS	30	09.08.76	17.09.76		
	907090	Special COMMS Course	HARMAN	As req'd	30.06.76	16.07.76		

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- The program for sailors courses for 1976 is detailed at Annexe A of this order.
- It will be noted that courses have been grouped as 'Promotion' or 'Career and PCT'. It is not intended to alter this grouping to conform with classifications resulting from the introduction of Sailstruc (eg Advancement, Equipment Application, Post Trade) until a detailed study of all courses has been conducted.
- The duration of courses shown is the period specified in appropriate syllabuses and actual course lengths may vary. Training establishments are to report changes in completion dates of courses in monthly returns on Form PE 106 when such changes are known. The 'free-running' nature of courses conducted in accordance with RANTS may result in a series of completion dates for any particular course. Training establishments are to report these variations by the most appropriate method.
- Sailors posted to courses of three months duration or longer will be required, if applicable, to affect a re-engagement which will ensure that a period to at least the course length plus a period of one year's service remains to be served by the sailor after completion of the course. Where a current engagement equals or exceeds this return of service requirement, a new engagement need not be effected. The provisions of RI 0824 paragraphs 2 to 6 continue to apply.
- Where an elective discharge is involved with a return of service, reference is also to be made to current regulations.
- Applications to re-engage, where applicable, are to be made by signal and on Form PR 10 on receipt of posting notes. Should a sailor, who is required to re-engage, not intend to do so, this is to be signalled promptly in order that a replacement may be posted.
- Where applicable, sailors are to be lent to establishments for courses under two months duration.
- Applications for courses should be made in accordance with ABR 27 Volume 2. Those courses listed 'as arranged' are to be arranged direct, at a mutually convenient date, between the user and the training establishment. Every attempt is to be made to plan at least one month in advance.
- Alterations and additions to this program will be notified by re-issue of this order.

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks	
NEW ENTRY	998010	Naval Police	KUTTABUL	30			19.01.76	27.02.76	4-15		
							26.04.76	04.06.76			
							12.07.76	20.08.76			
							06.09.76	15.10.76			
	910700	Adult Male Recruit	CERBERUS	58				15.10.75	30.01.76		60-75
								12.11.75	27.02.76		
								14.01.76	02.04.76		
								11.02.76	30.04.76		
								10.03.76	28.05.76		
								07.04.76	25.06.76		
								05.05.76	23.07.76		
	02.06.76	20.08.76									
	910710	Junior Recruit	LEEWIN	240				14.04.75	23.03.76		188
								14.07.75	08.06.76		216
13.10.75								21.09.76	144		
07.01.76								07.12.76	252		
20.04.76								22.03.77	188		
12.07.76								07.06.77	216		
910000	AETC	NIRIMBA	2 yrs				13.01.75	10.12.76	6-8		
							04.07.75	16.07.77			
910010	AETW	NIRIMBA	2 yrs				12.01.76	09.12.77			
							13.01.75	10.12.76			

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks	
	910020	AETS	NIRIMBA	2 yrs			04.07.75	16.07.77	6-12		
							12.01.76	09.12.77			
							Jul 74	18.06.76			
	910030	AMTP	NIRIMBA	2 yrs				13.01.75	10.12.76		6-24
								04.07.75	17.06.77		
								12.01.76	09.12.77		
								Jan 74	26.03.76		
	910040	AMTH	NIRIMBA	2 yrs				Jul 74	17.09.76		6-40 6-32
								13.01.75	25.03.77		
								04.07.75	16.09.77		
								12.01.76	24.03.78		
								05.07.76	15.09.78		
	910050	AMTL	NIRIMBA	2 yrs				Jan 74	26.03.76		6-24 6-20
								Jul 74	17.09.76		
								13.01.75	25.03.77		
04.07.75								16.09.77			
910060	AATA	NIRIMBA	2 yrs				12.01.76	24.03.78	6-12		
							05.07.76	15.09.78			
							Jul 74	18.06.76			
910070	AATC	NIRIMBA	2 yrs				13.01.75	10.12.76			
							04.07.75	17.06.77			

Branch or Group	EDP NO.	Course	Conducting Establish-ment	Duration in days	Supporting Establish-ment	Subject	Start- ing date	Comple- tion date	Min/ Max Nos.	Remarks
SEAMAN PROMOTION	910080	AATW	NIRIMBA	2 yrs			12.01.76	09.12.77	6-16	
							13.01.75	10.12.76		
							12.01.76	09.12.77	6-8	
	907700	WRANS	CERBERUS	24			20.01.76	20.02.76	20-40	
							24.02.76	26.03.76		
							28.04.76	28.05.76		
							01.06.76	02.07.76		
							13.07.76	13.08.76		
							24.08.76	24.09.76		
							05.10.76	05.11.76		
						09.11.76	10.12.76			
	902540	Cox'n Conver- sion	KUTTABUL	45	PENGUIN CERBERUS	Medical	26.04.76	25.06.76		
							18.10.76	17.12.76		
	902640	Charge Cox'n	KUTTABUL	10			22.03.76	02.04.76		
							04.10.76	15.10.76		
	911910	ADV QMG	CERBERUS	NK	PENGUIN CERBERUS	NBCD S'Ship Gunnery	12.01.76	23.01.76	3-6	
							27.01.76	27.02.76		
							01.03.76	NK		
					PENGUIN CERBERUS	NBCD S'Ship Gunnery	07.06.76	18.06.76		
							22.06.76	23.07.76		
							26.07.76	NK		
	911920	ADV CD	PENGUIN	145 (incl 10 NBCD & 25 S'Ship)	CERBERUS PENGUIN	S'Ship NBCD Diving	17.05.76	18.06.76	4-8	
							21.06.76	02.07.76		
							05.07.76	13.12.76		

Branch or Group	EDP NO.	Course	Conducting Establish-ment	Duration in days	Supporting Establish-ment	Subject	Start- ing date	Comple- tion date	Min/ Max Nos.	Remarks
	911930	ADV SR	PENGUIN	105 (incl 10 NBCD & 25 S'Ship)	PENGUIN CERBERUS	NBCD SR S'Ship	16.02.76	27.02.76	4-8	
							01.03.76	11.06.76		
							15.06.76	16.07.76		
	911940	ADV UW	WATSON	75 (incl NBCD & S'Ship)	PENGUIN WATSON CERBERUS	NBCD S'Ship	05.07.76	16.07.76	3-5	
							19.07.76	10.09.76		
							13.09.76	08.10.76		
	911960	ADV UC	WATSON	100 (incl NBCD & S'Ship)	WATSON PENGUIN CERBERUS	NBCD S'Ship	12.04.76	16.07.76	5-8	includes sea trg. 21JUN- 02JUL
							19.07.76	30.07.76		
							02.08.76	27.08.76		
	911950	ADV RP	WATSON	90 (incl NBCD & S'Ship)	WATSON PENGUIN CERBERUS	NBCD S'Ship	02.02.76	30.04.76	6-9	
							03.05.76	14.05.76		
							17.05.76	11.06.76		
	911970	ADV FC	CERBERUS	NK	PENGUIN CERBERUS	NBCD S'Ship Gunnery	07.06.76	18.06.76	6-12	
							22.06.76	23.07.76		
							26.07.76	NK		
	911980	ADV WM	CERBERUS	NK	PENGUIN CERBERUS	NBCD S'Ship Gunnery	05.04.76	15.04.76	6-8	
							20.04.76	21.05.76		
							24.05.76	NK		
					PENGUIN CERBERUS	NBCD S'Ship Gunnery	09.08.76	20.08.76	6-8	
							23.08.76	23.09.76		
							27.09.76	NK		
	911710	ABQMG	CERBERUS	60	CERBERUS	NBCD	27.01.76	02.02.76	3-9	



Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
						Gunnery S'Ship	19.01.76 22.03.76	19.03.76 09.04.76		
						Gunnery NBCD S'Ship	01.03.76 09.03.76 03.05.76	30.04.76 15.03.76 21.05.76		
						Gunnery NBCD S'Ship	05.04.76 12.04.76 07.06.76	04.06.76 20.04.76 25.06.76		
						Gunnery NBCD S'Ship	03.05.76 10.05.76 05.07.76	02.07.76 14.05.76 23.07.76		
						Gunnery NBCD S'Ship	31.05.76 07.06.76 03.08.76	30.07.76 11.06.76 20.08.76		
						Gunnery NBCD S'Ship	28.06.76 05.07.76 06.09.76	03.09.76 09.07.76 23.09.76		
						Gunnery NBCD S'Ship	26.07.76 03.08.76 27.09.76	23.09.76 09.08.76 15.10.76		
						Gunnery NBCD S'Ship	23.08.76 30.08.76 25.10.76	22.10.76 03.09.76 12.11.76		
						Gunnery NBCD S'Ship	20.09.76 27.09.76 22.11.76	19.11.76 01.10.76 10.12.76		

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
	911730	ABSR	PENGUIN	75 (incl NBCD & S'Ship)	PENGUIN CERBERUS	Gunnery NBCD S'Ship	18.10.76 25.10.76 1977	1977 29.10.76 1977		
	911740	ABUW	WATSON	45 (incl S'Ship & NBCD)	CERBERUS WATSON PENGUIN	SR & NBCD S'Ship	15.11.76 23.11.76 1977	1977 26.11.76 1977	1-10	
					CERBERUS WATSON PENGUIN	S'Ship SR & NBCD	28.06.76 19.07.76	16.07.76 15.08.76		
					CERBERUS WATSON PENGUIN	S'Ship NBCD	12.01.76 02.02.76 08.03.76	30.01.76 05.03.76 12.03.76	3-8	
					CERBERUS WATSON PENGUIN	S'Ship NBCD	23.02.76 15.03.76 03.05.76	12.03.76 09.04.76 07.05.76		
					CERBERUS WATSON PENGUIN	S'Ship NBCD	05.04.76 27.04.76 31.06.76	23.04.76 28.05.76 04.06.76		
					CERBERUS WATSON PENGUIN	S'Ship NBCD	24.05.76 15.06.76 19.07.76	11.06.76 16.07.76 23.07.76		

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
					CERBERUS WATSON PENGUIN	S'Ship NBCD	28.06.76 19.07.76 23.08.76	16.07.76 20.08.76 27.08.76		
					CERBERUS WATSON PENGUIN	S'Ship NBCD	02.08.76 23.08.76 27.09.76	20.08.76 24.09.76 01.10.76		
					CERBERUS WATSON PENGUIN	S'Ship NBCD	06.09.76 27.09.76 01.11.76	24.09.76 29.10.76 05.11.76		
					CERBERUS WATSON PENGUIN	S'Ship NBCD	11.10.76 01.11.76 06.12.76	29.10.76 03.12.76 10.12.76		
	911760	ABUC	WATSON	65 (incl. NBCD & S'Ship)	CERBERUS WATSON PENGUIN	S'Ship NBCD	12.01.76 02.02.76 29.03.76	30.01.76 26.03.76 02.04.76	3-8	
					CERBERUS WATSON PENGUIN	S'Ship NBCD	02.02.76 23.02.76 03.05.76	20.02.76 15.04.76 07.05.76		
					CERBERUS WATSON PENGUIN	S'Ship NBCD	08.03.76 29.03.76 24.05.76	26.03.76 21.05.76 28.05.76		
					CERBERUS WATSON PENGUIN	S'Ship NBCD	05.04.76 27.04.76 21.06.76	23.04.76 18.06.76 25.06.76		
					CERBERUS WATSON	S'Ship	17.05.76 07.06.76	04.06.76 30.07.76		

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
					PENGUIN	NBCD	02.08.76	06.08.76		
					CERBERUS WATSON PENGUIN	S'Ship NBCD	15.06.76 05.07.76 30.08.76	02.07.76 27.08.76 03.09.76		
					CERBERUS WATSON PENGUIN	S'Ship NBCD	12.07.76 02.08.76 27.09.76	13.07.76 24.09.76 01.10.76		
					CERBERUS WATSON PENGUIN	S'Ship NBCD	09.08.76 30.08.76 25.10.76	27.08.76 22.10.76 29.10.76		
					CERBERUS WATSON PENGUIN	S'Ship NBCD	06.09.76 27.09.76 22.01.76	24.09.76 19.11.76 26.11.76		
					CERBERUS WATSON PENGUIN	S'Ship NBCD	05.10.76 25.10.76 1977	22.10.76 17.12.76 1977		
	911750	ABRP	WATSON	80 (incl. NBCD & S'Ship)	CERBERUS WATSON PENGUIN	S'Ship NBCD	27.01.76 16.02.76 10.05.76	13.02.76 07.05.76 14.05.76	6-8	
					CERBERUS WATSON PENGUIN	S'Ship NBCD	09.02.76 01.03.76 24.05.76	27.02.76 21.05.76 28.05.76		
					CERBERUS WATSON PENGUIN	S'Ship NBCD	15.03.76 05.04.76 28.06.76	02.04.76 25.06.76 02.07.76		

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
					CERBERUS WATSON PENGUIN	S'Ship NBCD	05.04.76 03.05.76 19.07.76	30.04.76 16.07.76 23.07.76		
					CERBERUS WATSON PENGUIN	S'Ship NBCD	03.05.76 24.05.76 09.08.76	21.05.76 06.08.76 13.08.76		
					CERBERUS WATSON PENGUIN	S'Ship NBCD	05.07.76 26.07.76 11.10.76	23.07.76 08.10.76 15.10.76		
					CERBERUS WATSON PENGUIN	S'Ship NBCD	26.07.76 16.08.76 01.11.76	13.08.76 29.10.76 05.11.76		
					CERBERUS WATSON PENGUIN	S'Ship NBCD	16.08.76 06.09.76 22.11.76	03.09.76 19.11.76 26.11.76		
					CERBERUS WATSON PENGUIN	S'Ship NBCD	06.09.76 27.09.76 13.12.76	24.09.76 10.12.76 17.12.76		
					CERBERUS WATSON PENGUIN	S'Ship NBCD	01.10.76 25.10.76 1977	22.10.76 1977 1977		
	911770	ABFC	CERBERUS	70		NBCD & Gunnery S'Ship	19.01.76 05.04.76	02.04.76 23.04.76	3-6	
						NBCD & Gunnery	01.03.76	14.05.76		

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
						S'Ship	17.05.76	04.06.76		
						NBCD & Gunnery S'Ship	05.04.76 21.06.76	18.06.76 09.07.76		
						NBCD & Gunnery S'Ship	03.05.76 19.07.76	16.07.76 06.08.76		
						NBCD & Gunnery S'Ship	31.05.76 16.08.76	13.08.76 03.09.76		
						NBCD & Gunnery S'Ship	29.06.76 20.09.76	17.09.76 08.10.76		
						NBCD & Gunnery S'Ship	26.07.76 11.10.76	08.10.76 29.10.76		
						NBCD & Gunnery S'Ship	23.08.76 08.11.76	05.11.76 26.11.76		
						NBCD & Gunnery S'Ship	20.09.76 06.12.76	03.12.76 1977		
						NBCD & Gunnery S'Ship	18.10.76 1977	1977 1977		

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
	911780	ABWM	CERBERUS	70		NBCD & Gunnery S'Ship	15.11.76 1977	1977 1977	8-10	
						NBCD & Gunnery S'ship	19.01.76 05.04.76	02.04.76 23.04.76		
						NBCD & Gunnery S'Ship	01.03.76 17.05.76	14.05.76 04.06.76		
						NBCD & Gunnery S'Ship	03.05.76 19.07.76	16.07.76 06.08.76		
						NBCD & Gunnery S'Ship	31.05.76 16.08.76	13.08.76 03.09.76		
						NBCD & Gunnery S'Ship	28.06.76 20.09.76	17.09.76 08.10.76		
						NBCD & Gunnery S'Ship	26.07.76 11.10.76	08.10.76 29.10.76		
						NBCD & Gunnery S'Ship	23.08.76 08.11.76	05.11.76 26.11.76		
						NBCD & Gunnery	20.09.76	03.12.76		

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
	911790	ABCD	PENGUIN	125 (incl NBCD & S'Ship)	CERBERUS PENGUIN	S'Ship	06.12.76	1977		
						NBCD & Gunnery S'Ship	18.10.76 1977	1977 1977		
						NBCD & Gunnery S'Ship	15.11.76 1977	1977 1977		
						S'Ship Diving & NBCD	09.02.76 01.03.76	27.02.76 01.08.76	8-16	
						S'Ship Diving & NBCD	12.04.76 03.05.76	30.04.76 26.09.76		
						S'Ship Diving & NBCD	28.06.76 19.07.76	16.07.76 20.12.76		
						S'Ship Diving & NBCD	06.09.76 26.09.76	24.09.76 1977		
	911820	LSPT (Q)	CERBERUS	Approx 12 mths			19.01.76	NK	6-12	
SEAMAN CAREER & PCT	902280	NCDS Operator	CDSC CANBERRA	15			05.04.76 09.08.76 27.09.76	23.04.76 27.08.76 15.10.76	8-10	
	903290	ASAC	WATSON	25	WATSON		08.01.76	19.01.76	6	

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
							20.01.76	22.01.76		
							23.01.76	30.01.76		
							02.02.76	13.02.76		
							11.03.76	22.03.76		
							23.03.76	25.03.76		
							26.03.76	02.04.76		
							05.04.76	15.04.76		
							16.06.76	21.06.76		
							22.06.76	24.06.76		
							25.06.76	02.07.76		
							05.07.76	16.07.76		
							02.09.76	13.09.76		
							14.09.76	16.09.76		
							17.09.76	24.09.76		
							27.09.76	08.10.76		
	903190	ASAC Requal.	WATSON	5			23.02.76	27.02.76		
							03.05.76	07.05.76		
							24.05.76	28.05.76		
							26.07.76	30.07.76		
							16.08.76	20.08.76		
							18.10.76	22.10.76		
							15.11.76	19.11.76		
	903390	Hydro-graphic Refresher	PENGUIN	As req'd			As arranged		JAN-FEB & JUN-JUL	
	902120	Senior Sailors Nav.	WATSON	25			02.02.76	05.03.76	4-12	incl. sea support
							21.06.76	23.07.76		
							18.10.76	17.11.76		

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
	902560	Support Craft Charge	WATSON	15			22.03.76	09.04.76	4-8	weeks 3-4
							02.08.76	20.08.76		
	904100	AIO PWT	WATSON	11			As arranged			
	NN	NAV YEO Refresher	WATSON	As req'd			As arranged			
	NN	UC (DD) PWT	WATSON	5			As arranged			
	NN	UC (DE) PWT	WATSON	5			As arranged			
	NN	UW (DD) PWT	WATSON	5			As arranged			
	NN	UW (DE) PWT	WATSON	5			As arranged			
	951410	UC (DDG) PWT	WATSON	4			As arranged			
	941420	UW (DDG) PWT	WATSON	4			As arranged			
	951430	IAC Operator	WATSON	2			As arranged			
	911390	Sonar	WATSON	2			As arranged			

Branch or Group	EDP NO.	Course	Conducting Establish-ment	Duration in days	Supporting Establish-ment	Subject	Start- ing date	Comple- tion date	Min/ Max Nos.	Remarks
	911430	Type 174 PWT Sonar Control- er PCT	WATSON	10			As arranged			
	911080	Sonar Type 176 PWT	WATSON	2			As arranged			
	902650	AIOTT Senior Sailors/ Wrans Staff PCT	WATSON	30			As arranged			
	902290	AIOTT Junior Sailors/ Wrans Staff PCT	WATSON	20			As arranged			
	903420	Recruit School Instruct- or	CERBERUS				As arranged			
	904200	Landing Party HQ	CERBERUS	3			As arranged			
	904230	Landing	CERBERUS	5			As arranged			

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Branch or Group	EDP NO.	Course	Conducting Establish-ment	Duration in days	Supporting Establish-ment	Subject	Start- ing date	Comple- tion date	Min/ Max Nos.	Remarks
	911360	Party PWT 4.5" PWT	CERBERUS	5			As arranged		6-18	
	911630	Seacat Aimer	CERBERUS	15	COMAUSFLT		19.01.76 26.04.76 05.07.76 08.11.76	13.02.76 21.05.76 30.07.76 03.12.76	2-6	
	911690	Close Range PCT	CERBERUS	5			As arranged		6-12	
	911810	LCH Gunnery PCT	CERBERUS	5			As arranged		3-12	
	911640	Seacat Aimer Refresher	CERBERUS	5			As arranged		6	
	951490	PT Refresher	CERBERUS				As arranged			
	951580	Browning Machine Gun	CERBERUS	1 1/2			As arranged			
	951720	AB QMG/WM Patrol Boat	CERBERUS	As req'd approx 1			As arranged			
	924110	M22 System	CERBERUS				As arranged			

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
	924120	Maint/User PCT M44 System Maint/User PWT	CERBERUS				As arranged			
	954180	Browning .5" Maint	CERBERUS	1			As arranged			
	903230	Small Ships Life-saving Equip. Maint.	ALBATROSS	10			As arranged			
	903310	EOD Refresher	PENGUIN	10			As arranged			
	911310	EOD Instructor	PENGUIN	30			As arranged			
	951340	Sonar 193 PCT	PENGUIN	2	WATSON COMAUSFLT		As arranged			
	902220	Demolition PCT	WATSON	5			As arranged			Non UW/CD saildcs Concurrent with

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
	951350	CDMHC PWT	PENGUIN	5			As arranged			
	NN	ASAC Cont. Trg.	WATSON	As req'd			As arranged			
SEAMAN SM PROMOTION	908900	POUWSM	PLATYPUS	30			31.05.76	02.07.76	1-6	Requires 908210
	908910	POUCSM	DOLPHIN				Arranged by DEFNAV			Requires 908210
	908920	PORPSM	PLATYPUS	55	WATSON		27.08.76 27.09.76	03.12.76 29.10.76	1-6	Requires 908210
	908210	POSEA	PLATYPUS	15		S'Ship	As required		1-6	Required by 908900 908910 908920
	908150	LSUWSM	PLATYPUS	20			01.03.76 01.11.76	26.03.76 26.11.76	2-6	
	908160	LSUCSM	PLATYPUS	15			05.01.76 07.06.76 06.09.76 11.10.76	23.01.76 25.06.76 24.09.76 29.10.76	2-6	
	908180	LSRPSM	PLATYPUS	15			01.03.76	19.03.76	2-6	

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
SEAMAN SM CAREER & PCT	908190	POUWSM	PLATYPUS	15	WATSON		05.06.76	23.06.76		Available to all SMPOs (except Engineering Cat.) Required with 12 mths of Promotion
	908990	CPOCOXSM	PLATYPUS	110	CERBERUS PLATYPUS PLATYPUS WATSON	COXN CONV SM Sea trg MNV Coxn	As arranged		1-4	
	911010	NAV YEO	PLATYPUS		WATSON	NAV	As arranged			
COMMUNICATIONS PROMOTION	908190	ROSM PCT	PLATYPUS	10	KUTTABUL	Pract.	As arranged			As req'd following Coxn Conv. Course 902540 Arranged by DEFNAV
	912910	ADVSIG (SY)	CERBERUS	89	CERBERUS HARMAN WATSON PENGUIN	NBCD	05.05.76 26.08.76 30.08.76 06.09.76	24.08.76 27.08.76 03.09.76 17.09.76	3-8	
	912920	ADVRO (RS)	CERBERUS	79	PENGUIN CERBERUS HARMAN	NBCD	03.05.76 17.05.76 26.08.76	14.05.76 24.08.76 27.08.76	3-8	
	912940	ADVROEW	WATSON	80	PENGUIN		23.02.76	05.03.76	3-8	

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
		(RSEW)			CERBERUS WATSON & NIRIMDA		10.03.76 10.05.76	05.05.76		
	912930	ADV ROS	HARMAN	80	PENGUIN CERBERUS WATSON & NIRIMBA	NBCD	23.08.76 08.09.76 01.11.76	04.09.76 29.10.76	3-8	
					HARMAN LONSDALE PENGUIN	NBCD	27.01.76 03.05.76 10.05.76	30.04.76 07.05.76 21.05.76	3-5	Combined 907940
					PENGUIN HARMAN LONSDALE	NBCD	27.04.76 10.05.76 08.08.76	07.05.76 06.08.76 14.08.76		
	912700	SMNCO	CERBERUS	35 (incl 5 NBCD)	HARMAN LONSDALE PENGUIN	NBCD	06.09.76 06.12.76 1977	03.12.76 10.12.76 1977	10-20	
							12.01.76 02.02.76 01.03.76 12.04.76 17.05.76 21.06.76 19.07.76 23.08.76 04.10.76 02.11.76	01.03.76 22.03.76 15.04.76 01.06.76 05.07.76 09.08.76 06.09.76 11.10.76 22.11.76 17.12.76		
	912710	SMNSIG	CERBERUS	101			12.01.76 02.03.76	08.06.76 26.07.76	4-10	



Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
	912720	SMNRO	CERBERUS	102			23.03.76 20.04.76 02.06.76 06.07.76 10.08.76 07.09.76 12.10.76 23.11.76	16.08.76 09.09.76 25.10.76 26.11.76 27.01.77 17.02.77 24.03.77 09.05.77	4-10	Available to all except Engineer (Cat.) Required with 12 mths of promotion
	912760	SIGROEW	CERBERUS	110	CERBERUS WATSON		12.01.76 12.04.76	06.04.76 18.06.76		
					CERBERUS WATSON		02.03.76 31.05.76	27.05.76 06.08.76		
					CERBERUS WATSON		23.03.76 21.06.76	18.06.76 27.08.76		
					CERBERUS WATSON		20.04.76 19.07.76	13.07.76 24.09.76		
					CERBERUS WATSON		02.06.76 30.08.76	25.08.76 05.11.76		

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
	912750	SMNROS	HARMAN	85	CERBERUS WATSON		06.07.76 04.10.76	29.09.76 10.12.76		
					CERBERUS WATSON		10.08.76 08.11.76	04.11.76 1977		
					CERBERUS WATSON		07.09.76 1977	02.12.76 1977		
					CERBERUS WATSON		12.10.76 1977	27.01.77 1977		
					CERBERUS WATSON		23.11.76 1977	08.03.77 1977		
	912750	SMNROS	HARMAN	85			10.09.75 09.02.76 08.04.76 21.05.76 05.07.76 08.10.76 11.11.76	06.02.76 25.06.76 10.08.76 17.09.76 01.11.76 24.02.76 1977	0-3	Combined 937740 Sailors should join 14 days prior to course commencement
COMMS CAREER & PCT	912222	Shore Radio Acquaint	HARMAN	As req'd			As arranged			
	901327	EW PWT	WATSON				As arranged			
	912090	Small Ship	CERBERUS	20			04.02.76 30.06.76	02.03.76 27.07.76	3-8	

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
MARINE ENGINEERING PROMOTION	912050	RO PCT	CERBERUS	15			17.11.76	15.12.76	3-8	
		LSSIG/SIG MCMV PCT					28.04.76	18.05.76		
	NN	FWT	CERBERUS				As arranged			
	902280 (Part)	NCDS Operator	CANBERRA	5			05.04.76	09.04.76	1-3	
							09.08.76	13.08.76		
	913730	MTP1	CERBERUS	106		NBCD	27.09.76	01.10.76		Combined 913750
							18.08.75	12.11.75		
						NBCD	13.11.76	19.11.75		
						NBCD	20.11.75	12.02.76		
						NBCD	15.09.75	10.12.75		
					NBCD	11.12.75	17.12.75			
					NBCD	12.01.76	09.03.76			
					NBCD	20.10.75	11.02.76		Combined 913740	
					NBCD	12.02.76	18.02.76			
					NBCD	19.02.76	22.04.76			
					NBCD	10.11.75	02.03.76		Combined 913750	
					NBCD	03.05.76	10.03.76			
					NBCD	11.03.76	12.05.76			
					NBCD	12.01.76	11.04.76	8-20	Combined 913740	
					NBCD	12.04.76	20.04.76			
					NBCD	21.04.76	17.06.76			
					NBCD	27.01.76	25.04.76			
					NBCD	26.04.76	02.05.76			

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
						NBCD	03.05.76	27.06.76		
						NBCD	16.02.76	16.05.76		Combined 913750
						NBCD	17.05.76	23.05.76		
						NBCD	24.05.76	18.07.76		
						NBCD	01.03.76	30.05.76		
						NBCD	31.05.76	06.06.76		
						NBCD	07.06.76	01.07.76		
						NBCD	22.03.76	20.06.76		Combined 913740
						NBCD	21.06.76	27.06.76		
						NBCD	28.06.76	22.08.76		
						NBCD	05.04.76	04.07.76		
						NBCD	05.07.76	11.07.76		
						NBCD	12.07.76	05.09.76		
						NBCD	26.04.76	25.07.76		Combined 913750
						NBCD	26.07.76	01.08.76		
						NBCD	03.08.76	28.10.76		
						NBCD	31.05.76	29.08.76		
						NBCD	30.08.76	05.09.76		
						NBCD	06.09.76	31.10.76		
						NBCD	15.06.76	12.09.76		Combined 913740
						NBCD	13.09.76	19.09.76		
						NBCD	20.09.76	16.11.76		
						NBCD	05.07.76	03.10.76		
						NBCD	04.10.76	10.10.76		
						NBCD	11.10.76	05.12.76		

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
						NBCD	26.07.76 25.10.76 02.11.76	24.10.76 31.10.76 21.01.77		Combined 913750
						NBCD	09.08.76 08.11.76 15.11.76	07.11.76 14.11.76 04.02.77		
						NBCD	30.08.76 29.11.76 06.12.76	28.11.76 05.12.76 25.02.77		Combined 913740
						NBCD	13.09.76 TBD TBD	12.12.76 TBD TBD		
						NBCD	04.10.76 TBD TBD	30.01.77 TBD TBD		Combined 913750
						NBCD	18.10.76 TBD TBD	13.02.77 TBD TBD		
						NBCD	08.11.76 TBD TBD	06.03.77 TBD TBD		Combined 913740
						NBCD	22.11.76 TBD TBD	20.03.77 TBD TBD		Combined 913750
	913740	MTL1	CERBERUS	156		NBCD	28.04.75 25.06.75	24.06.75 30.06.75		

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
						NBCD	15.09.75 22.07.75 16.10.75 10.11.75	18.02.76 15.10.75 22.10.75 13.04.76		
						NBCD	20.10.75 12.02.76 19.02.76	11.02.76 18.02.76 29.06.76		
						NBCD	12.01.76 12.04.76 21.04.76	11.04.76 20.04.76 26.08.76		
						NBCD	22.03.76 21.06.76 28.06.76	20.06.76 27.06.76 03.11.76		
						NBCD	15.06.76 13.09.76 20.09.76	12.09.76 19.09.76 24.02.77		
						NBCD	30.08.76 29.11.76 06.12.76	28.11.76 05.12.76 12.05.77		
						NBCD	08.11.76 TBD TBD	06.03.77 TBD TBD		
	913750	MTH1	CERBERUS	116		NBCD	18.08.75 13.11.75 20.11.75	12.11.75 19.11.75 26.02.76		

Branch or Group	EDP NO.	Course	Conducting Establish-ment	Duration in days	Supporting Establish-ment	Subject	Start- ing date	Comple- tion date	Min/ Max Nos.	Remarks
						NBCD	10.11.75 03.03.76 11.03.76	02.03.76 10.03.76 26.05.76		
						NBCD	16.02.76 17.05.76 24.05.76	16.05.76 23.05.76 01.08.76		
						NBCD	26.04.76 26.07.76 03.08.76	25.07.76 01.08.76 12.10.76		
						NBCD	26.07.76 25.10.76 02.11.76	24.10.76 31.10.76 04.02.77		
						NBCD	04.10.76 TBD TBD	30.01.77 TBD TBD		
						NBCD	22.11.76 TBD TBD	20.03.77 TBD TBD		
	913780	MTP2	NIRIMBA	TBD			30.03.76 21.09.76	TBD TBD	6-24	
	913800	MTH2	NIRIMBA	TBD			30.03.76 21.09.76	TBD TBD	6-12	
	913790	MTL2	NIRIMBA	TBD			30.03.76 21.09.76	TBD TBD	6-12	
	913980	POMTP3	NIRIMBA	20			17.05.76	11.06.76	6-20	

Branch or Group	EDP NO.	Course	Conducting Establish-ment	Duration in days	Supporting Establish-ment	Subject	Start- ing date	Comple- tion date	Min/ Max Nos.	Remarks
	913930	(ex Mech) Ed. POMTP3 (ex Mech)	NIRIMBA	2 yrs			12.07.76	16.06.78	4-20	Combined 953930 Max 20.
	953930	POMTP3 (D) (ex Mech D)	NIRIMBA	2 yrs			19.01.76 12.07.76	09.12.77 16.06.78	4-10 4-20	RMN Combined 913930 Max 20
	913990	MTH4 Q	NIRIMBA	45			01.03.76	30.04.76	4-8	
	913910	ADVMTTP	CERBERUS	70 (incl 10 NBCD)	CERBERUS PENGUIN	NBCD	27.01.76 26.04.76	25.04.76 09.05.76	6-15	
					CERBERUS PENGUIN	NBCD	02.09.76 29.11.76	28.11.76 12.12.76		
	913920	ADVMTTPD	CERBERUS	60 (incl 10 NBCD)	CERBERUS PENGUIN	NBCD	10.05.76 19.07.76	18.07.76 01.08.76	6-12	
	953080	MTP4 Q	CERBERUS	85			16.08.76	12.12.76	6-15	
MARINE ENGINEERING CAREER & PCT	913660	Adv Welding	NIRIMBA	69			10.02.76 03.08.76	21.05.76 12.11.76	4	
	913500	Outboard Motor Maint.	NIRIMBA	5			As arranged		4-6	

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
	NN	Fitter Mech (Marine)	CERBERUS	59			27.01.76 06.09.76	15.04.76 25.11.76		PNG
	913620	TOW	CERBERUS	60			09.02.76 23.08.76	05.05.76 16.11.76	6-15	With 916220 917580 914960
	913630	B & L	CERBERUS	20			02.02.76 03.05.76 16.08.76 08.11.76	29.02.76 30.05.76 12.09.76 05.12.76	4-10	
	913700	ACC	CERBERUS	7			27.01.76	02.02.76	4-8	and as arranged
	902310	MTD	ALBATROSS	30			12.01.76 23.02.76 12.04.76 31.05.76 02.08.76 13.09.76 25.10.76	20.02.76 02.04.76 28.05.76 09.07.76 10.09.76 22.10.76 02.12.76	4-16	And ABAVN, WRAN
	915590	Small Ships Helo F/F	ALBATROSS	3			As arranged			Ships with Landing Plat form (& ME PCT)
	915600	Small Ships Helo Transfer	ALBATROSS	1 1/2			As arranged			Ships without landing Platform

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
	913080	F/F MTH Shipborne life-saving Equip. Maint.	ALBATROSS	10	KUTTABUL (GI Sail loft)	Liferaft Life-preserver Repair & overhaul	As arranged			(& MT PCT)
	913130	MTH Sail-making		10			As arranged			
	913650	Art. Diver	PENGUIN	20			02.02.76 12.04.76 19.07.76 01.11.76	29.02.76 14.05.76 15.08.76 28.11.76		
	953040	PB AB/LS MTP PCT	CERBERUS	TBP			TBP			
	953140	PB Charge MTP	CERBERUS	20			31.05.76	25.06.76		
	913760	LCH Charge MTP	MORETON				As arranged			
	913770	LCH MTP PCT	MORETON				As arranged			
WEE	914750	ET1	CERBERUS	85			27.10.75	17.03.76	10-24	

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
PROMOTION				(incl 5 NBCD)		NBCD	18.03.76	24.03.76		
						NBCD	19.01.76	13.05.76		
						NBCD	14.05.76	20.05.76		
						NBCD	22.03.76	14.07.76		
						NBCD	15.07.76	21.07.76		
						NBCD	17.05.76	07.09.76		
						NBCD	08.09.76	14.09.76		
						NBCD	19.07.76	10.11.76		
						NBCD	11.11.76	17.11.76		
						NBCD	13.09.76	02.02.77		
						NBCD	03.02.77	09.02.77		
						NBCD	15.11.76	05.04.77		
						NBCD	06.04.77	12.04.77		
	914760	ETW1	CERBERUS	65			15.10.75	12.02.76	3-10	
							12.01.76	13.04.76		
							25.03.76	28.06.76		
							21.05.76	19.08.76		
							15.09.76	16.12.76		
	914770	ETS1	CERBERUS	65			15.10.75	12.02.76	5-8	
							12.01.76	13.04.76		
							25.03.76	28.06.76		
							21.05.76	19.08.76		
							22.07.76	22.10.76		
							15.09.76	16.12.76		
							18.11.76	18.03.77		

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
	914780	ETC1	CERBERUS	60			15.10.75	05.02.76	5-8	
							12.01.76	06.04.76	5-8	
							25.03.76	21.06.76	5-8	
							21.05.76	12.08.76	5-8	
							22.07.76	15.10.76	5-16	
							15.09.76	16.12.76	5-8	
							18.11.76	11.03.77	5-16	
	914820	ETW2	CERBERUS	200	CAC GARDEN ISLAND WATSON		12.01.76	10.11.76	4-6	
							04.10.76	08.10.76		
							11.10.76	27.10.76		
							25.10.76	29.10.76		
	914830	ETS2	CERBERUS	252			12.01.76	22.02.77	4-6	
	914840	ETC2	CERBERUS	210			12.01.76	24.11.76	4-6	
	914920	ADVMTL	CERBERUS	110 (incl 10 NBCD)	PENGUIN CERBERUS	NBCD	12.01.76	23.01.76	4-12	
							27.01.76	18.06.76		
	914930	ADVETS	CERBERUS	194 (incl 10 NBCD)	PENGUIN CERBERUS	NBCD	08.03.76	19.03.76	4-6	
							22.03.76	28.01.77		
	914950	ADVETC	CERBERUS	179 (incl 10 NBCD)	PENGUIN CERBERUS	NBCD	08.03.76	19.12.76	4-6	
							22.12.76	10.12.76		
	954950	ETW4/MTL4	CERBERUS	70	CERBERUS WATSON		23.08.76	26.11.76	5-12	
							29.11.76	03.12.76		

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
WEE CAREER & PCT	954960	ETS4	CERBERUS	75			30.08.76	10.12.76	5-12	to be confirmed
	954970	ETC4	CERBERUS	75			30.08.76	10.12.76	5-12	to be confirmed
	964640	High Reliability Soldering	NIRIMBA	10			As arranged		10	
	NN	Pre-Linesman	NIRIMBA	As req'd			TBP			
	954020	KW37T	HARMAN	10			05.04.76	16.04.76	4-8	
	954000	KW26C	HARMAN	45			26.01.76	26.03.76	4-8	
	954050	BID610	HARMAN	25			26.04.76	28.05.76	4-8	
	964480	Shore Crypto Refresher	HARMAN	5			As arranged			
	914630	Shore Wireless PCT (POETC3)	HARMAN	25			As arranged			
	924000	PBETS1	HARMAN			WATERHEN	As arranged			
	924220	Shore Wireless PCT	HARMAN	5			As arranged			

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
	902140	(SMNETC) DDG Combat Data Systems	CDSC CANBERRA	30			12.01.76 08.11.76	20.02.76 17.12.76	3-8	
	902180	NCDS Display Maint.	CDSC CANBERRA	80			23.02.76	11.06.76	3-8	964640 and Digital Theory pre-requisite
	902190	NCDS Computer Maint.	CDSC CANBERRA	80			14.06.76	01.10.76	3-8	Digital Theory Pre-requisite
	914430	Exdak (Ship)	RANITE	50			08.03.76	14.05.76	2-6	ANO 142/73 ANO 167/75
	924040	Junior System Acquaint (IKARA)	RANITE	15			08.03.76 21.06.76 16.08.76 15.11.76	26.03.76 09.07.76 03.09.76 03.12.76	2-6	ANO 328/72 ANO 142/73 ANO 167/75
	954400	Helo Exdak System	RANITE	20			15.06.76	09.07.76	2-6	ANO 142/73 ANO 167/75
	954410	Ikara System	RANITE	18			19.05.76 03.11.76	11.06.76 26.11.76	2-6	ANO 142/73 ANO 167/75
	954430	Attack	RANITE	40			18.05.76	09.07.76	2-6	ANO 142/73

Branch or Group	EDP NO.	Course	Conducting Establish-ment	Duration in days	Supporting Establish-ment	Subject	Start- ing date	Comple- tion date	Min/ Max Nos.	Remarks
		Console					18.10.76	10.12.76		ANO 167/75 964580 pre- requisite
	954440	Data Process- ing F2/F3	RANITE	65			23.02.76 09.08.76	21.05.76 05.11.76	2-6	ANO 142/73 ANO 167/75 964580 pre- requisite
	954450	Tracking System	RANITE	65			26.07.76	22.10.76	2-6	ANO 142/73 ANO 167/75
	964580	Intro. Digital IKARA	RANITE	10			09.02.76 03.05.76 26.07.76 04.10.76	20.02.76 14.05.76 06.08.76 15.10.76	2-6	ANO 142/73 ANO 167/75 Pre- requisite 954430 954440
	914330	Sonar 177M	WATSON	20-25			As arranged			
	924100	MK44/46 Torpedo  User Aspect  Acquaint	WATSON	2			As arranged			
	944140	ASUAT Maint. PCT	WATSON	5			As arranged			

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Branch or Group	EDP NO.	Course	Conducting Establish-ment	Duration in days	Supporting Establish-ment	Subject	Start- ing date	Comple- tion date	Min/ Max Nos.	Remarks
	964600	DG Wooden Hull Maint.	WATSON	2			As arranged			
	964610	DG Steel Hull Maint.	WATSON	2			As arranged			
	924020	Sonar 182 Mod 2 Maint.		3			TBP			
	914470	Sonar 162M	CERBERUS/ WATSON	5			As arranged			
	954600	M22/44 Radar	CERBERUS	120			06.09.76	25.03.77	-6	
	954610	M22/44 Computer	CERBERUS	120			06.09.76	25.03.77	-6	
	964510	Digital Intro.	CERBERUS	33			19.07.76	03.09.76	-8	
	924160	Junior ETC Equip. Famil.	CERBERUS	20			09.02.76 07.04.76 22.06.76 13.08.76 18.10.76	05.03.76 07.05.76 19.07.76 09.09.76 15.11.76	-8	Follows ETC 914780
	913640	PBMTL	CERBERUS	17	CERBERUS		22.03.76	26.03.76	2-8	

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Branch or Group	EDP NO.	Course	Conducting Establish-ment	Duration in days	Supporting Establish-ment	Subject	Start- ing date	Comple- tion date	Min/ Max Nos.	Remarks
					WATERHEN		29.03.76	13.04.76		
					CERBERUS		16.08.76	20.08.76		
					WATERHEN		23.08.76	07.09.76		
	914030	Pitometer Log	CERBERUS	3			29.03.76	31.03.76	-6	
							06.09.76	08.09.76		
	914120	Gyro 2005	CERBERUS	10			16.02.76	27.02.76	4-8	
							12.07.76	23.07.76		
	914130	Gyro 5005	CERBERUS	5			01.03.76	05.03.76	4-8	
							26.07.76	30.07.76		
	914140	AGMC 6	CERBERUS	5			26.04.76	30.04.76	4-8	
							29.11.76	03.12.76		
	914160	JDA/PAB	CERBERUS	9			10.05.76	20.05.76	-6	
							23.08.76	02.09.76		
	914180	IFF 10	CERBERUS	15			02.02.76	20.02.76	-6	
							26.07.76	16.08.76		
	914200	Auto Tele- phone Exchange	CERBERUS	5			26.04.76	30.04.76	4-6	
							04.10.76	08.10.76		
	914260	MK 19/23 Gyro	CERBERUS	22			17.05.76	16.06.76	4-8	
							11.10.76	10.11.76		
	914300	Sonar 170B MCS10	CERBERUS/ WATSON	20			02.02.76	27.02.76	4-8	
							09.08.76	03.09.76		
							As arranged			

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Branch or Group	EDP NO.	Course	Conducting Establish-ment	Duration in days	Supporting Establish-ment	Subject	Start- ing date	Comple- tion date	Min/ Max Nos.	Remarks
	914320	Sonar 176	CERBERUS	5			22.03.76	26.03.76	4-8	
							28.06.76	02.07.76		
	914470	Sonar 162	CERBERUS	2			29.03.76	30.03.76	4-8	
							05.07.76	06.07.76		
	914530	RATT	CERBERUS	11			12.01.76	27.01.76	4-12	
							06.09.76	20.09.76		
	914540	T/TYPE	CERBERUS	23			28.01.76	27.02.76	4-12	Excludes RATT
							21.09.76	22.10.76		
	914560	KG14	CERBERUS	35			03.05.76	21.06.76	4-8	
	914570	AN/URT 23V	CERBERUS	20			09.02.76	05.03.76	4-12	
							27.09.76	22.10.76		
	914580	AN/URR 1051B	CERBERUS	8			09.03.76	18.03.76	4-12	
							25.10.76	04.11.76		
	914680	E/S 765	CERBERUS	2			01.04.76	02.04.76	-6	
							09.09.76	10.09.76		
	914690	TOWL	CERBERUS	55			09.02.76	28.04.76	6-15	Combined with 913620 916220 917580
							23.08.76	09.11.76		
	924030	M22/44 Maint Acquaint	CERBERUS	40			27.01.76	23.03.76	4-8	
							26.04.76	21.06.76		

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
	954010	KW37R	CERBERUS	30			01.03.76 25.10.76	12.04.76 06.12.76	4-8	
	954030	KW7	CERBERUS	30			22.06.76	03.08.76	4-8	
	954040	KL7	CERBERUS	6			04.08.76	21.08.76	4-8	
	954200	AN/SRC 20/21	CERBERUS	15			17.05.76 05.07.76	04.06.76 23.07.76	-8	
	954260	4.5" MK6 MOD 3	CERBERUS	25			02.02.76 09.08.76	05.03.76 10.09.76	4-8	
	954270	Radar 293	CERBERUS	10			26.04.76 15.11.76	07.05.76 26.11.76	-8	
	954340	MRS3 Computer	CERBERUS	43			09.03.76 23.08.76	10.05.76 21.10.76	4-8	
	954390	40/60 Bofors	CERBERUS	8			15.03.76 11.10.76	24.03.76 20.10.76	4-8	
	954560	Lifeguard Receiver	CERBERUS	5			05.04.76 27.09.76	09.04.76 01.10.76	-8	
	954630	SEACAT	CERBERUS	10			03.05.76 08.11.76	14.05.76 19.11.76	4-8	
	964010	Radar 975	CERBERUS	7			05.04.76 16.08.76	13.04.76 24.08.76	-8	
	964040	Radar LWO2A	CERBERUS	15			24.05.76 08.11.76	11.06.76 26.11.76	-6	

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
	964080	Radar 903	CERBERUS	15			27.01.76 19.07.76	16.02.76 09.08.76	4-6	
	964160	8GR-301	CERBERUS	8			03.05.76 18.10.76	12.05.76 27.10.76	-8	
	964240	B40/B41	CERBERUS	5			03.05.76 09.08.76	07.05.76 13.08.76	4-6	
	964280	978/JUA	CERBERUS	7			09.03.76 03.08.76	17.03.76 11.08.76	-8	
	964300	AC Gen. and Dist.	CERBERUS	10			31.05.76 22.11.76	11.06.76 03.12.76	4-8	
	964370	AN/SPA 50	CERBERUS	18			22.03.76 06.09.76	14.04.76 30.09.76	4-6	
	964440	DC Gen. and Dist.	CERBERUS	10			17.05.76 08.11.76	28.05.76 19.11.76	4-8	
	964490	JYA	CERBERUS	25			07.06.76 08.11.76	12.07.76 10.12.76	-6	
	964500	Sea Crypto Refresher	CERBERUS	5			26.04.76 23.08.76	30.04.76 27.08.76	4-8	
	964520	AN/UQN4	CERBERUS	15			10.05.76 02.11.76	28.05.76 22.11.76	-6	
	964590	LCH ETC	CERBERUS	25	CERBERUS MORETON		As arranged			

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
	924070	SEACAT Guidance	CERBERUS	5			05.04.76 05.07.76	09.04.76 09.07.76	-8	
	964310	Cathodic Prot	CERBERUS	2			As arranged			Ships in Melb only
	914380	Ikara Mag/Mar Launcher	DEFNAV		CAC		As arranged			
	908440	Mk 8 Torpedo Maint.	PLATYPUS		RANTME		As arranged			
	914460	Sub Simulator AS21B12	CRESWELL		STALWART		As arranged			
	924200	Plessey Mk 5 Display	DEFNAV		Dept of Meteorology Vic.		As arranged			
	954470	Ikara Missile Kingswood	RANTME				As arranged			
	964260	MISA MK 1	DEFNAV				As arranged			
	964320	M/S Acoustic/Magnetic	WATERHEN				As arranged			

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
	964330	Magnetic Equip. Maint.					As arranged			
	964570	M/S Equip. Maint.	WATERHEN				As arranged			
	964570	AN/SPS 52	DEFNAV				As arranged			
	964650	Armature Winding	STALWART				As arranged			
	964660	AN-SKOI Tartar Telemetry	RANTAU				As arranged			
	908080	Sonar AN/BQG Maint.	PLATYPUS				As arranged			
	908090	Receiver AN/WRR-7 Maint.	PLATYPUS				As arranged			
AVIATION PROMOTION	915710	ABAVN	ALBATROSS	30 (incl NBCD)	PENGUIN	NBCD AVN	19.01.76 27.01.76	23.01.76 27.02.76		
						NBCD AVN	07.06.76 03.05.76	11.06.76 04.06.76		
						NBCD AVN	28.06.76 05.07.76	02.07.76 06.08.76		

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Branch or Group	EDP NO.	Course	Conducting Establish-ment	Duration in days	Supporting Establish-ment	Subject	Start- ing date	Comple- tion date	Min/ Max Nos.	Remarks
	915720	ABM	ALBATROSS	85 (incl NBCD & NAV YEO)	PENGUIN WATSON	NBCD AVN	11.10.76 18.10.76	15.10.76 19.11.76	4-6	
	915920	ADV M.	ALBATROSS	40 (incl NBCD)	PENGUIN	NBCD NAV YEO	19.01.76 27.01.76 23.02.76	23.01.76 20.02.76 19.05.76		
	NN	ABSE	ALBATROSS	75 (incl NBCD)	PENGUIN	NBCD	1975 19.01.76 27.01.76	27.02.76 23.01.76 05.05.76	2-8	
	915940	POSE (ADV SE)	ALBATROSS	55 (incl ADV NBCD)	PENGUIN	ADV NBCD	05.10.76 15.11.76 22.11.76	12.11.76 19.11.76 1977	2-8	
	915730	ABPH	RAAF	28 wks			TBP		6	

Branch or Group	EDP NO.	Course	Conducting Establish-ment	Duration in days	Supporting Establish-ment	Subject	Start- ing date	Comple- tion date	Min/ Max Nos.	Remarks
	915930	ADV PH	RAAF East Sale	12 wks			TBP		4	
AVIATION CAREER & PCT	NN	ABSE Survival & SLE EAC	ALBATROSS	10			As arranged		2-8	
	915500	Wsx SE EAC	ALBATROSS	2			As arranged			
	915510	Tracker SE EAC	ALBATROSS	3			As arranged			
	915520	Skyhawk SE EAC	ALBATROSS	5			As arranged			
	915530	Macchi SE EAC	ALBATROSS	3			As arranged			
	NN	Skyhawk EAC NES 12	ALBATROSS	5			As arranged			
	915350	ABM Radio- sonde & Balmet	ALBATROSS	15			As arranged			
	915470	ABM Radar	ALBATROSS	15			As arranged			

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
	915540	Wind-finding NIKONOS 35mm Camera	ALBATROSS	5				As arranged		
	902310	MTD	ALBATROSS	30				As arranged	4-16	SEE ME Career & PCT
	915370	SAR Diver	ALBATROSS		PENGUIN					Held in conjunction with 903200 (Ships Diver)
	915420	Fireman PCT	ALBATROSS	10				As arranged		
	915560	ADV AVN Admin.	ALBATROSS	15			15.03.76 16.08.76	09.04.76 10.09.76		
	902301	MTDI	ALBATROSS	20			06.09.76	01.10.76	1-4	
	915550	Basic Aircrewman	ALBATROSS	As req'd			TBP			
	NN	Adv A/C Rotary Wing	ALBATROSS	As req'd			TBP			

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
AIR ENGINEERING PROMOTION	NN	Wing Adv A/C Fixed Wing	ALBATROSS	As req'd			TBP			
	915330	Aircrewman Intro.	WATSON					As arranged		
	916750	ATA 1	ALBATROSS	95 (incl NBCD)	PENGUIN ALBATROSS	ENG NBCD ENG	1975 19.01.76 27.01.76	26.03.76 23.01.76 02.06.76	4-12	
					ALBATROSS PENGUIN	ENG NBCD	12.04.76 23.08.76	18.08.76 27.08.76		
					PENGUIN ALBATROSS	NBCD ENG	15.11.76 05.07.76	19.11.76 08.11.76		
					ALBATROSS	ENG	05.10.76	1977		
	916820	LSATA	ALBATROSS	60	ALBATROSS	ENG	30.08.76	19.11.76	4-12	
	916850	ATA 2	ALBATROSS	180	ALBATROSS	ENG	1975 05.01.76 06.09.76	18.06.76 24.09.76 1977	4-12	Inc. Leave Inc. Leave
	917730	ATC 1	ALBATROSS	105 (incl 5 NBCD)	PENGUIN ALBATROSS	NBCD ENG	20.10.75 27.10.75	24.10.75 09.04.76	4-12	Inc. Leave
					ALBATROSS PENGUIN	ENG NBCD	12.04.76 24.05.76	21.05.76 28.05.76		

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
					ALBATROSS	ENG	31.05.76	10.09.76		
					PENGUIN	NBCD	28.06.76	02.07.76		
					ALBATROSS	ENG	05.07.76	19.11.76		
					ALBATROSS	ENG	05.10.76	11.03.77		Inc. Leave
					PENGUIN	NBCD	14.03.77	18.03.77		
	957830	ATC 2	NIRIMBA	165	NIRIMBA	ENG	08.09.75	23.04.76	4-6	Inc. Leave
					ALBATROSS	ENG	26.04.76	14.05.76		
					NIRIMBA	ENG	13.07.76	1977		
					ALBATROSS	ENG	1977	1977		
	917820	LSATC	ALBATROSS	100		ENG	20.04.76	03.09.76	4-6	
	917920	ADV ATC	ALBATROSS	165 (incl 10 NBCD)	PENGUIN	NBCD	02.02.76	13.02.76	4-6	Inc. Leave
					ALBATROSS	ENG	16.02.76	01.10.76		
	917740	ATW 1	ALBATROSS	95 (incl 5 NBCD)	PENGUIN	NBCD	20.10.75	24.10.75	4-12	Inc. Leave
					ALBATROSS	ENG	27.10.75	26.03.76		
					ALBATROSS	ENG	12.04.76	21.05.76		
					PENGUIN	NBCD	24.05.76	28.05.76		
					ALBATROSS	ENG	31.05.76	27.08.76		
					ALBATROSS	ENG	05.07.76	05.11.76		
					PENGUIN	NBCD	08.11.76	12.11.76		
					ALBATROSS	ENG	05.10.76	25.02.77		Inc. Leave
					PENGUIN	NBCD	28.02.77	04.03.77		
	957840	ATW 2	NIRIMBA	120	NIRIMBA	ENG	08.09.75	19.03.76	4-6	Inc. Leave

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
					ALBATROSS	ENG	22.03.76	04.06.76		
					NIRIMBA	ENG	13.07.76	1977		
					ALBATROSS	ENG	1977	1977		
	917810	LSATWL	ALBATROSS	100		ENG	20.04.76	03.09.76	4-6	
	917910	ADV ATWL	ALBATROSS	170 (incl 10 NBCD)	PENGUIN	NBCD	02.02.76	13.02.76	4-6	Inc. Leave
					ALBATROSS	ENG	16.02.76	08.10.76		
	916910	ADV ATWO (Ex-WPNs)	ALBATROSS	170 (incl 10 NBCD)	PENGUIN	NBCD	02.02.76	13.02.76	4-6	Inc. Leave
						ENG	16.02.76	08.10.76		
	916810	LSATWO (Ex-WPNs)	ALBATROSS	50			01.03.76	12.05.76	6-12	
							14.06.76	20.08.76		
AIR ENGINEERING CAREER & PCT	916400	SEACA Sea King	ALBATROSS	20			05.01.76	02.02.76	4-12	
							29.03.76	27.04.76		
							07.06.76	02.07.76		
							30.08.76	24.09.76		
							and as arranged			
	916430	SEACA Skyhawk	ALBATROSS	15			05.01.76	23.01.76	4-12	
							29.03.76	20.04.76		
							07.06.76	25.06.76		
							30.08.76	17.09.76		
							and as arranged			
	916440	SEACA Tracker	ALBATROSS	15			05.01.76	23.01.76	4-12	
							29.02.76	20.03.76		
							07.06.76	25.06.76		
							30.08.76	17.09.76		

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
							and as arranged			
	916460	SEACA Wessex	ALBATROSS	15			As arranged		4-12	
	916410	AEACA Skyhawk	ALBATROSS	15			05.07.76 23.07.76 11.10.76 29.10.76 and as arranged		4-12	
	916570	AEACA Wessex	ALBATROSS	15			As arranged		4-12	
	916560	AEACA Tracker	ALBATROSS	15			05.07.76 23.07.76 11.10.76 29.10.76 and as arranged		4-12	
	916580	AEACA Sea King	ALBATROSS	30			05.07.76 13.08.76 11.10.76 19.11.76 and as arranged		4-12	
	916220	TOW ATA	CERBERUS	40	ALBATROSS		21.03.76 02.04.76		4-12	
	917580	C/W	CERBERUS	40	ALBATROSS		11.10.76 22.10.76			
	917470	ADV Air Admin.	ALBATROSS	10			As arranged		4-18	
	NN	SEAC WO Ordnance General	ALBATROSS	20			05.01.76 30.01.76 29.03.76 23.04.76 30.08.76 24.09.76 08.11.76 02.12.76		4-12	
	916290	SEAC WO Skyhawk	ALBATROSS	20			09.02.76 05.03.76 03.05.76 28.05.76		2-6	

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
							and as arranged			
	916300	SEAC WO Tracker	ALBATROSS	10			09.02.76 20.02.76 03.05.76 14.05.76 05.10.76 16.10.76 and as arranged		2-6	
	916590	SEAC WO Sea King	ALBATROSS	5			09.02.76 13.02.76 03.05.76 07.05.76 05.10.76 11.10.76 and as arranged		2-6	
	916380	EAC ATWO Macchi	ALBATROSS	10			As arranged			
	916310	SEAC WO Wessex	ALBATROSS	5			As arranged			
	NN	AEAC WO Skyhawk	ALBATROSS	20			As arranged			
	NN	AEAC WO Tracker	ALBATROSS	10			As arranged			
	916630	AEAC WO Sea King	ALBATROSS	10			As arranged			
	916360	EAC ATWO Martin Baker BTRU	ALBATROSS	5			As arranged			
	NN	AEAC WO Macchi	ALBATROSS	10			As arranged			

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
	917520	SEAC C Skyhawk	ALBATROSS	20			05.01.76 20.04.76 20.09.76	30.01.76 14.05.76 15.10.76	2-6	
	917530	SEAC C Tracker	ALBATROSS	20			05.01.76 20.04.76 20.09.76	30.01.76 14.05.76 15.10.76	2-6	
	916690	SEAC C Sea King	ALBATROSS	20			05.01.76 20.04.76 20.09.76	30.01.76 14.05.76 15.10.76	2-6	
	957000	AEAC C Sea King	ALBATROSS	25			24.05.76	25.06.76	2-6	
	957010	AEAC C Skyhawk	ALBATROSS	20			24.05.76	18.06.76	2-6	
	957020	AEAC C Tracker	ALBATROSS	20			24.05.76	18.06.76	2-6	
	917480	SEAC W Skyhawk	ALBATROSS	15			05.01.76 05.04.76 06.09.76 15.11.76	23.01.76 23.04.76 24.09.76 02.12.76	2-6	
	917490	SEAC W Tracker	ALBATROSS	15			05.01.76 05.04.76 06.09.76 15.11.76	23.01.76 23.04.76 24.09.76 02.12.76	2-6	
	916640	SEAC W Sea King	ALBATROSS	20			05.01.76 05.04.76	30.01.76 30.04.76	2-6	

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
	917500	SEAC W Wessex	ALBATROSS	15			06.09.76 15.11.76	01.10.76 09.12.76		
	916650	AEAC W Sea King	ALBATROSS	25			14.06.76	16.07.76	2-6	
	916660	AEAC W Skyhawk	ALBATROSS	20			14.06.76	09.07.76	2-6	
	916670	AEAC W Tracker	ALBATROSS	20			14.06.76	09.07.76	2-6	
	916680	AEAC W Wessex	ALBATROSS	20				As arranged		
	NN	NDIT	RAAF Amberly					As arranged by RANAS		
SUPPLY & SECRETARIAT PROMOTION	919910	Adv WTR	CERBERUS	30 (incl 10 NBCD)	PENGUIN	NBCD	01.03.76 02.02.76	12.03.76 27.02.76	6-10	Combined 907970
	919710	ADWTR	CERBERUS	85 (incl 5 NBCD)	PENGUIN	NBCD	07.06.76 05.07.76	02.07.76 16.07.76	6-9	Combined 907770
							12.01.76 16.02.76 05.04.76 24.05.76 28.06.76 16.08.76 27.09.76	07.05.76 11.06.76 30.07.76 17.09.76 22.10.76 10.12.76 1977		

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Branch or Group	EDF NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
	919740	ABSN	CERBERUS	45 (incl 5 NBCD)			02.11.76 19.01.76 22.03.76 31.05.76 09.08.76 11.10.76	1977 19.03.76 21.05.76 30.07.76 08.10.76 10.12.76	6-10	
	919750	ABSV	CERBERUS	45 (incl 5 NBCD)			19.01.76 22.03.76 31.05.76 09.08.76 11.10.76	19.03.76 21.05.76 30.07.76* 08.10.76* 10.12.76*	6-10	* Combined 907780
	919730	ABSTD	CERBERUS	25 (incl 5 NBCD)			12.01.76 02.02.76 09.03.76 29.03.76 03.05.76 24.05.76 05.07.76 09.08.76 30.08.76 27.09.76 02.11.76	13.02.76 05.03.76* 09.04.76 30.04.76* 04.06.76* 25.06.76 06.08.76* 10.09.76* 01.10.76* 29.10.76 03.12.76*	8-12	* Combined 907790
	919720	ABCK	CERBERUS	65 (incl 5 NBCD)			19.01.76 01.03.76 05.04.76 31.05.76 26.07.76 06.09.76	15.04.76 28.05.76* 02.07.76 27.08.76* 22.10.76 03.12.76*	6-8	* Combined 907710
										2 Courses concurrent

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Branch or Group	EDF NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
	919830	Small Ships Cooks	CERBERUS	5			On application		3-	
MUSICIAN PROMOTION	921700/10/20	MUSN	CERBERUS	*400			12.01.76 and when required	TBD		* As applicable to standard
	921990	CPOMUSN	CERBERUS	210			27.01.76	27.11.76		
MEDICAL PROMOTION	918710	ABMED	CERBERUS	130 (incl 5 NBCD)			19.01.76 12.04.76 12.07.76 04.10.76	16.07.76 08.10.76 TBD TBD	20	Combined 907960
MEDICAL CAREER & PCT	918200	LAB Asst.	CERBERUS PENGUIN (60)	280	Army (80) Public Hosp (140)		As arranged		2	
	918220	X-RAY	PENGUIN CERBERUS (60)	190	Public Hosp (130)		As arranged		2	
	918240	ORA	PENGUIN CERBERUS (60)	140	Public Hosp (80)		As arranged		2	
	918330	UW MED	PENGUIN	145			12.01.76	30.07.76		
	918360	Hygiene Inspector	RAAF				TBP			Arranged by DEFNAV
	918020	Isolated Billet	CERBERUS				As arranged			

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
		PCT								
	918390	Dispenser	CERBERUS	190			As arranged		2	
	918270	Adv Nursing	CERBERUS	190			As arranged			
	918260	Av MED	ALBATROSS	50			As arranged			
DENTAL PROMOTION	918370	ABDEN	CERBERUS	85 (incl 5 NBCD)			23.02.76 19.07.76	18.06.76 12.11.76	2-6	
DENTAL CAREER & PCT	918410	Dental Hygienist	CERBERUS	85			19.01.76 05.07.76	14.05.76 29.10.76	7-12	
MANAGEMENT	902600	WOMC WOSK	CERBERUS	30			30.03.76 13.07.76 19.10.76	07.05.76 20.08.76 26.11.76	12-18	
	902340	PO Management	CERBERUS	20			20.01.76 17.02.76 16.03.76 13.04.76 01.06.76 29.06.76 03.08.76 14.09.76 12.10.76 09.11.76	13.02.76 12.03.76 09.04.76 07.05.76 25.06.76 23.07.76 27.08.76 08.10.76 05.11.76 03.12.76	12-18	
NAVAL POLICE	998010	New Entry	KUTTABUL	30			19.01.76 26.04.76	27.02.76 04.06.76	4-15	

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
							12.07.76 06.09.76	20.08.76 15.10.76		
	998020	Investigation	KUTTABUL	50			12.01.76 11.10.76	19.03.76 17.12.76		
	998090	Professional Technique	KUTTABUL	25			01.03.76 14.06.76	02.04.76 16.07.76		
SECURITY	903410	Security Acquaint	DEFNAV	2	PENGUIN		09.02.76 10.05.76 09.08.76 08.11.76	10.02.76 11.05.76 10.08.76 09.11.76		
EDUCATION	902000	Academic Instructor	LEEWIN	3 yrs			11.02.74 16.02.76	10.12.76 .12.78	-4	Navy Order 98/75 (Leading to award of Diploma of Teaching)
	902500	SGCE Preparatory	LEEWIN	95			12.01.76 12.07.76	21.05.76 19.11.76	-18	ANO 175/75
	902510	Mat. Preparatory	LEEWIN	18 mths			14.07.75 12.07.76	03.12.76 02.12.77	-20	ANO 175/75
	901533	Maths Bridging	LONSDALE	25			05.01.76	06.02.76		

Branch or Group	EDP NO.	Course	Conducting Establish-ment	Duration in days	Supporting Establish-ment	Subject	Start- ing date	Comple- tion date	Min/ Max Nos.	Remarks
TRAINING TECHNOLOGY	901260	Training Admin.	CERBERUS	10			03.05.76 06.09.76	14.05.76 17.09.76	-16	
	903630	Training Systems Acquaint	CERBERUS	1			12.01.76 19.01.76 27.01.76 29.01.76 09.02.76 16.02.76 23.02.76 25.02.76 15.03.76 16.03.76 29.03.76 30.03.76 08.04.76 24.05.76 25.05.76 07.06.76 22.06.76 05.07.76 14.07.76 26.07.76 02.08.76 09.08.76 16.08.76 18.08.76 04.10.76 13.10.76 18.10.76 25.10.76 08.11.76 15.11.76		3-	WATSON WATSON WATSON LEEUEWIN LEEUEWIN ALBATROSS ALBATROSS ALBATROSS ALBATROSS NIRIMBA NIRIMBA

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Branch or Group	EDP NO.	Course	Conducting Establish-ment	Duration in days	Supporting Establish-ment	Subject	Start- ing date	Comple- tion date	Min/ Max Nos.	Remarks
	903640	Quality Control	CERBERUS	10			22.11.76 24.11.76 13.12.76 27.01.76 23.02.76 29.03.76 07.06.76 16.08.76 18.10.76 22.11.76	06.02.76 05.03.76 09.04.76 18.06.76 27.08.76 29.10.76 03.12.76	3-12	NIRIMBA NIRIMBA WATSON ALBATROSS NIRIMBA
	903660	Training Analysis	CERBERUS	5			12.01.76 09.02.76 15.03.76 24.05.76 02.08.76 04.10.76 08.11.76	16.01.76 13.02.76 19.03.76 28.05.76 06.08.76 08.10.76 12.11.76	3-12	WATSON ALBATROSS NIRIMBA
	903670	Training Design	CERBERUS	5			19.01.76 16.02.76 22.03.76 31.05.76 09.08.76 11.10.76 15.11.76	23.01.76 20.02.76 26.03.76 04.06.76 13.08.76 15.10.76 19.11.76	3-12	NIRIMBA WATSON ALBATROSS NIRIMBA
	903600	Instruct- or Course	CERBERUS	7			12.01.76 21.01.76 09.02.76 18.02.76 09.03.76 23.03.76 01.04.76	20.01.76 30.01.76 17.02.76 26.02.76 17.03.76 31.03.76 09.04.76	6-8	WATSON WATSON LEEUEWIN LEEUEWIN

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
							18.05.76	26.05.76		
							31.05.76	08.06.76		
							15.06.76	23.06.76		
							28.06.76	06.07.76		
							07.07.76	15.07.76		
							19.07.76	27.07.76		
							02.08.76	10.08.76		ALBATROSS
							11.08.76	19.08.76		ALBATROSS
							27.09.76	05.10.76		
							06.10.76	14.10.76		
							18.10.76	26.10.76		
							08.11.76	16.11.76		NIRIMBA
							17.11.76	25.11.76		
							06.12.76	14.12.76		
NBCD	902400	STD NBCD	PENGUIN CERBERUS	5			As required for category courses and as arranged			
	902410	ADV NBCD	PENGUIN	10			As required for category courses and as arranged		6-20	
DIVING	903200	Ships Diver	PENGUIN	15			05.01.76	25.01.76		
							02.02.76	22.02.76		
							09.02.76	29.02.76		
							08.03.76	28.03.76		
							15.03.76	04.04.76		
							12.04.76	03.05.76		
							19.04.76	09.05.76		
							17.05.76	06.06.76		
							24.05.76	13.06.76		
							19.07.76	08.08.76		
							25.07.76	15.08.76		
							23.08.76	12.09.76		
							30.08.76	19.09.76		

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
							27.09.76	17.10.76		
							04.10.76	24.10.76		
							01.11.76	21.11.76		
							08.11.76	28.11.76		
	913650	Art Diver	PENGUIN	20			02.02.76	29.02.76		
							12.04.76	14.05.76		
							19.07.76	15.08.76		
							01.11.76	28.11.76		
	915370	SAR Diver	ALBATROSS		PENGUIN		As arranged			In Conjunction with 903200
RANR	NN	A1MTL	CERBERUS	13			16.02.76	27.02.76		
	NN	A1ETC	CERBERUS	13			02.02.76	13.02.76		
	NN	A2MTL	CERBERUS	13			30.08.76	10.09.76		
	NN	MTL	CERBERUS	13			05.07.76	16.07.76		
	NN	ETC	CERBERUS	13			26.04.76	07.05.76		
	NN	PBAMTL	CERBERUS	13			22.03.76	02.04.76		
							06.09.76	17.09.76		
	951910	POQMG	CERBERUS	13			01.03.76	12.03.76	4-12	
							15.11.76	26.11.76		
	951710	ABQMG	CERBERUS	13			03.05.76	14.05.76	4-12	
							26.07.76	06.08.76		

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
WRANS	NN	RANR RO	CERBERUS	13			24.05.76	06.06.76	3-12	
							11.10.76	24.10.76		
	NN	RANR RS	CERBERUS	13			06.09.76	19.09.76	3-8	
		AB DVR	PENGUIN	10			09.02.76	22.02.76		
							08.11.76	21.11.76		
		LS DVR	PENGUIN	10			19.04.76	02.05.76		
		PO DVR	PENGUIN	10			08.11.76	21.11.76		
	907700	Recruit	CERBERUS	24			20.01.76	20.02.76	20-40	
							24.02.76	26.03.76		
							28.04.76	28.05.76		
							01.06.76	02.07.76		
	907970	POWRWTR	CERBERUS	20			13.07.76	13.08.76		
						24.08.76	24.09.76			
						05.10.76	05.11.76			
						09.11.76	10.12.76			
	907970	POWRWTR	CERBERUS	20			02.02.76	27.02.76	6-10	Combined 919910
							07.06.76	02.07.76		
	907910	POWRCK	CERBERUS	20			28.06.76	23.07.76	4-6	
	907990	POWRSTD	CERBERUS	15			01.03.76	19.03.76	6-10	
	907920	POWRRP	WATSON	60			02.02.76	30.04.76	6-9	
	907900	POWRRP WA	ALBATROSS	13	RANTAU		As arranged			After mid April
	907940	POWRRST	CERBERUS	20			11.03.76	07.04.76	3-8	

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
	907940	POWRRSS	HARMAN	70	HARMAN LONSDALE		08.09.76	06.10.76		
							27.01.76	30.04.76	1-2	Combined 912930
							03.05.76	07.05.76		
					HARMAN LONSDALE		10.05.76	06.08.76		
							09.08.76	14.08.76		
					HARMAN LONSDALE		06.09.76	03.12.76		
							06.12.76	10.12.76		
	907800	LWRRP WA	ALBATROSS		RANTAU		As arranged			After mid April
	907830	LWRREG	CERBERUS	65			09.03.76	01.06.76		
							30.08.76	23.11.76		
	937710	WRCO	CERBERUS	30			12.01.76	20.02.76	6-16	
							23.02.76	05.04.76		
							29.03.76	11.05.76		
							31.05.76	12.07.76		
							05.07.76	17.08.76		
							16.08.76	27.09.76		
							27.09.76	08.11.76		
							08.11.76	17.12.76		
	937730	WRROT	CERBERUS	40			12.01.76	10.03.76	4-10	
							23.02.76	15.04.76		
							06.04.76	01.06.76		
							12.05.76	07.07.76		
							13.07.76	07.09.76		
							18.08.76	13.10.76		
							28.09.76	23.11.76		
							09.11.76	25.01.77		

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
	937740	WRROS	CERBERUS HARMAN	60 85	HARMAN HARMAN HARMAN	Part B Part B Part B	10.09.75 27.10.75 09.02.76	06.02.76 19.03.76 25.06.76	5-7	Combined 912750
					CERBERUS HARMAN	Part A Part B	12.01.76 08.04.76	06.04.76 10.08.76		
					CERBERUS HARMAN	Part A Part B	23.02.76 21.05.76	19.05.76 19.07.76		
					CERBERUS HARMAN	Part A Part B	06.04.76 05.07.76	01.07.76 01.11.76		
					CERBERUS HARMAN	Part A Part B	12.05.76 09.08.76	06.08.76 03.12.76		
					CERBERUS HARMAN	Part A Part B	13.07.76 08.10.76	06.10.76 24.02.77		
					CERBERUS HARMAN	Part A Part B	18.08.76 12.11.76	09.11.76 1977		
					CERBERUS HARMAN	Part A Part B	28.09.76 1977	17.12.76		
					CERBERUS HARMAN	Part A Part B	09.11.76 1977	15.02.77		
	907720	WRRP	WATSON	55			16.02.76 01.03.76 05.04.76 03.05.76 24.05.76	07.05.76 21.05.76 25.06.76 16.07.76 06.08.76	8	Combined 911750

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Starting date	Completion date	Min/Max Nos.	Remarks
	907770	WRWTR	CERBERUS	80			26.07.76 16.08.76 06.09.76 27.09.76 25.10.76	08.10.76 29.10.76 19.11.76 10.12.76 1977	6-9	Combined 919710
							19.01.76 23.02.76 12.04.76 31.05.76 05.07.76 23.08.76 04.10.76 09.11.76	07.05.76 11.06.76 30.07.76 17.09.76 22.10.76 10.12.76 TBD TBD		
	907780	WRSV	CERBERUS	40			31.05.76 16.08.76 11.10.76	23.07.76 08.10.76 03.12.76	6-10	Combined 919750
	907790	WRSTD	CERBERUS	20			12.01.76 09.03.76 05.04.76 31.05.76 12.07.76 27.09.76 09.11.76	06.02.76 02.04.76 30.04.76 25.06.76 06.08.76 22.10.76 03.12.76	8-12	Combined 919730 (other male courses available)
	907710	WRCK	CERBERUS	60			01.03.76 05.04.76 31.05.76 13.09.76	21.05.76 25.06.76 20.08.76 03.12.76	6-8	Combined 919720
	907730	WRMTD	ALBATROSS	30			12.01.76 23.02.76	20.02.76 02.04.76	4-16	Combined with

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Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
							12.04.76	28.05.76		902310
							31.05.76	09.07.76		
							02.08.76	10.09.76		
							13.09.76	22.10.76		
							25.10.76	02.12.76		
	907740	WRRPWA	ALBATROSS	20	CERBERUS RANTAU		As arranged			After mid April
	907960	WRMED	CERBERUS	120			19.01.76	09.07.76	20	Combined 918710
							12.04.76	01.10.76		
							12.07.76	1977		
							04.10.76	1977		
	918730	WRDEN	CERBERUS	60			23.02.76	11.06.76	2-6	
							19.07.76	05.11.76		
	907040	WRETC	CERBERUS	130		914750	19.01.76	13.05.76		
						914780	21.05.76	12.08.76		
						914750	22.03.76	14.07.76	-8	
						914780	22.07.76	15.10.76		
						914750	19.07.76	10.11.76	-8	
						914780	18.11.76	11.03.77		
						914750	13.09.76	02.02.77	-4	
						914780	-	-		
						914750	15.11.76	05.04.77	-8	
						914780	-	-		
	947740	LWRRP/ WRRP PCT	WATSON	14			As arranged			

Branch or Group	EDP NO.	Course	Conducting Establishment	Duration in days	Supporting Establishment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
	902650	AIOTT Senior Sailors/Wrans Staff PCT		30			As arranged			
	902290	AIOTT Junior Sailors/Wrans Staff PCT		20			As arranged			
	907300	WRRP NAV YEO	WATSON	20			27.01.76	20.02.76		
							26.07.76	20.03.76		
	907320	WRRP R/T Logging	WATSON	2			As arranged			
	902210	Short-hand Refresher	Parent Est.	As			As arranged			
	907330	WRRP NCS	WATERHEN				As arranged			
	914620	Shore Wireless PCT	HARMAN	5			09.02.76	13.02.76		
							16.03.76	20.03.76		
							18.10.76	22.10.76		
	918200	Lab Assist-	CERBERUS/ PENGUIN	200	Army (80) Public		As arranged			

Branch or Group	EDP NO.	Course	Conducting Establish-ment	Duration in days	Supporting Establish-ment	Subject	Start-ing date	Comple-tion date	Min/Max Nos.	Remarks
		ant	(80)		Hosp. (140)					
	918220	X-RAY	PENGUIN/ CERBERUS (60)	190	Public Hosp. (130)		As arranged			
	918240	ORA	PENGUIN/ CERBERUS (60)	140	Public Hosp. (80)		As arranged			
	918380	Dispenser	CERBERUS	190			As arranged			
	918270	Adv Nursing	CERBERUS	190			As arranged			
	902600	WOMC WOSK	CERBERUS	30			30.03.76 13.07.76 19.10.76	07.05.76 20.08.76 26.11.76		
	902340	PO Manage- ment	CERBERUS	20			20.01.76 17.02.76 16.03.76 13.04.76 01.06.76 29.06.76 03.08.76 14.09.76 12.10.76 09.11.76	13.02.76 12.03.76 09.04.76 07.75.76 25.06.76 23.07.76 27.08.76 08.10.76 05.11.76 03.12.76		



Historian  
Victoria Barracks

ANOs 299/75-306/75



# AUSTRALIAN NAVY ORDERS

SECTION 2 - PERSONNEL  
299/75 - ...  
300/75 - ...

SECTION 4 - EQUIPMENT, STORES AND SERVICES  
301/75 - ...  
302/75 - ...

Navy Office, Canberra,  
27 October 1975.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

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NAVY ORDERS

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- b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 4718.

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**Section 2**

**PERSONNEL**

UNCLASSIFIED

**299/75—Aircrew Refresher Flying**

1. Annual refresher flying is no longer a requirement for aircrew officers in order to remain eligible for Flying Pay. Such eligibility will be retained provided that:
  - a. medical fitness for flying duties is maintained;
  - b. refresher flying is completed when required by the Naval Board; and
  - c. a direction has not been given by the Board that an officer is not to be employed on flying duties.
2. Refresher flying will normally be arranged only as follows:
  - a. for officers in non-flying billets when they have been posted to a squadron or other flying billet; and
  - b. for officers on the staffs of FOCAF, FOCEA and DNAP, where currency in a service aircraft type is a necessary part of the function of the billet.
3. Officers in Paragraph 2a. will be posted for refresher flying. Arrangements for officers in Paragraph 2b. should be made with FOCEA keeping Navy Office informed.
4. Officers not covered by Paragraph 2 may continue to apply to Navy Office for refresher flying, but such requests will be accorded low priority. Approval will depend on a Navy Office assessment of the requirement and whether this refresher flying will affect the ability of the squadrons involved to perform their other tasks.
5. Navy Order 274/72 is hereby cancelled.

(311/4/300)

(Navy Order 274/72)

UNCLASSIFIED

**300/75—Cleaning and Restoration of Items of Uniform Clothing Damaged by Furnace Fuel Oil**

1. Materials Research Laboratories has recommended a simple cleaning technique that will limit the spread of initial furnace fuel oil staining of garments and facilitate restoration by laundering or dry cleaning.
2. Early action should be taken to limit the spread of fuel oil stain by removing surplus oil using an absorbent material, eg, paper, cloth or chalk. The final removal is not influenced to any marked degree by the age of the oil stain and no further treatment is to be carried out onboard ship.
3. Prior to laundering or dry cleaning ashore, a solvent such as thinners, mineral turpentine, shellite or white spirit, should be applied outside the stain area on the unstained fabric and worked in towards the stain. The garment should be swabbed gently and not immersed in the solvent. As these solvents have a classification of either 'highly flammable' or 'flammable', the instructions detailed in ABR 4, RAN Store-keeping Manual, Appendix 23 (45A), are to be strictly observed when this treatment is carried out in establishments.

4. After initial treatment a light brown stain will remain on the garment. It should then be passed to a commercial laundry or dry cleaning establishment with advice of the nature of the stain and if practicable, identification of the material from which the garment is made.

5. Restoration of the garments to a serviceable state may not be achieved by a single dry cleaning treatment and in the case of white uniforms may require, in addition, a commercial laundering process. After this treatment most garments will be suitable for further use. Subsequent laundering will improve any garment which does not fully respond to the initial treatment.

6. In accordance with normal practice, the cost of treating oil-damaged garments may be accepted as a charge to public funds if the damage or staining is considered a casualty of the Service.

7. This order will be reprinted for posting on notice boards.

8. Navy Order 66/75 is hereby cancelled.

(901/62/4)

(Navy Order 66/75)

#### Section 4

### EQUIPMENT, STORES AND SERVICING

#### UNCLASSIFIED

#### 301/75—Accounting (Stores)—Procedure for Re-demanding 'Articles-in-Use' Type Items When a Ship Decommissions for Long Refit, Conversion or Modernisation

1. A requirement exists to ensure that articles-in-use type items, which are returned to supply depots by ships decommissioning for long refit, conversion or modernisation, will be available when restoring is carried out.

2. This is to be achieved by the ship's staff, on decommissioning, raising demands on the appropriate supply depot(s) for items including electronic test equipment which it is known will be required immediately on recommissioning. Such demands are to be recorded as 'long term dues out' and will be taken into account by supply depots during periodic stock reviews with a view to availability of the items when required. The demands should also contain a comment in the remarks box to the effect that the item will be required when the ship recommissions.

3. To avoid duplication of supply it will be the responsibility of OIC SOAP, immediately prior to the demand run, to input Forms SX34 Dues Amendment or Cancellation (DAC) to cancel those items recorded as 'long term dues out'. The items involved can be determined by calling for a Consolidated List of Outstanding Requirements (CLOR).

4. The above procedure, by ensuring the timely notification of requirements, should minimise delays in receipt.

5. ABR 5153 will be amended.

(N20/9/4)

#### UNCLASSIFIED

#### 302/75—Accounting (Stores)—Temporary Loan of Items Between Departments in HMA Ships and Establishments

1. In order to minimise the risk of loss of stores while on temporary loan between departments in HMA ships and establishments the procedure detailed in Paragraph 2 is to be followed.

2. On any occasion when the custodian of stores in one department temporarily lends a permanent item to an individual in another department, receipt is to be obtained on a Form SX125 as evidence of such temporary loan. Upon satisfactory return, the Form SX125 can then be destroyed. Any item so lent must still be sighted if periodical stocktake occurs during the time of temporary loan of this nature.

3. ABR 4 will be amended.

(501/60/425)

#### UNCLASSIFIED

#### 303/75—Fearnought Firefighting Clothing

##### Reproofing

1. Tests have shown that reproofing of Fearnought suits can be extended to two years.

2. Fearnought suits will be reproofed prior to issue to ships and establishments and it is no longer a requirement for ships and establishments, except aircraft carriers, air stations and fire schools, to reproof Fearnought suits.

3. Fearnought suits are to be replaced by demand action every two years. Suits which have been used for firefighting or have become wet are to be replaced.

4. In aircraft carriers, air stations and fire schools, where Fearnought suits are washed regularly on hygienic grounds, reproofing is to be carried out on completion of washing.

5. Chemicals required and reproofing procedures are laid down in Paragraphs 75 to 79, Part 4, Chapter 10, of BR 2171, and in ABR 93, Part 1, Appendix 35.

6. Navy Order 360/72 is hereby cancelled.

(1/8415/11)

(Navy Order 360/72)

#### UNCLASSIFIED

#### 304/75—Modified Parachute Sea Anchor for Patrol Boats—Introduction into Service

1. As a result of trials conducted by HMAS BOMBARD, it has been decided to provide HMA Patrol Boats with a modified parachute sea anchor.

2. The parachute sea anchor will provide an alternative in rough weather to either running before the sea or steaming into it at slow speed. However, the sea anchor's primary purpose is for use in an emergency to arrest wind drift in the case of complete main engine breakdown in open water.

3. The basic equipment to be carried whenever a patrol boat is deployed comprises the following:

- a. 1 × 2040-66-089-3118 PARA-ANCHOR-28' DIAMETER TERYLENE COMPLETE WITH 8" DIAMETER POLYSTYRENE TRIPPING LINE BUOY AND STAINLESS STEEL RIGGING LINE YOKE.
- b. 1 × 4030-66-047-3065 BOW SHACKLE, 5 TON SWL.
- c. 2 × 4030-66-047-3039 STRAIGHT SHACKLE, 5 TON SWL.
- d. 1 × 4030-66-047-3097 SENHOUSE SLIP, 10 TON PROOF.

4. The above items will be issued without demand as follows:

Patrol boats	..	..	..	..	..	1 each
HMAS LEEUWIN	..	..	..	..	..	1
HMAS CAIRNS	..	..	..	..	..	1
HMAS MELVILLE	..	..	..	..	..	2
HMAS WATERHEN	..	..	..	..	..	1
PNG DF Patrol Boat Base	..	..	..	..	..	2
Spare (SGSO)	..	..	..	..	..	4

5. The Class Authority is responsible for promulgating appropriate instructions regarding the correct use of this equipment.

(1234/51/430)

## UNCLASSIFIED

### 305/75—Scale Removing Compound for Treatment of Evaporator Plants

#### Purpose

1. 6850-00-173-7243 SCALE REMOVING COMPOUND is being introduced to replace citric acid for evaporator scale treatment in submerged coil evaporators in HMA ships MELBOURNE, VAMPIRE, VENDETTA, DUCHESS, DIAMANTINA and SUPPLY. It is also being trialled in flexing element evaporators in HMAS PARRA-MATTA. The compound is a polyelectrolyte chemical with an anti-foam additive, and its purpose is to inhibit scale formation on heat transfer surfaces. The quantities required for treatment are less than for citric acid. In the concentrated form the compound is strongly alkaline and can cause severe irritation. Care must be exercised to prevent contact with skin or eyes. Personnel should wash thoroughly after handling, and in case of contact with eyes, flush with water for at least 15 minutes, then report to sick bay immediately.

#### Instructions Regarding Use

2. The concentrated compound is to be mixed with distilled water in the treatment tank and then fed to the evaporator via a flowmeter. The mixture strength is to be determined such that one ounce (30 millilitres) of 'neat' compound is introduced to the evaporator for each ton of water distilled. Generally a mixture ratio of 1:64 compound to water is used, that is 3 pints compound for 24 gallons water. For an evaporator producing 50 tons distillate per day, this mixture would then be fed to the

evaporator at 60 ml/minute via the flowmeter. Brine density is to be regulated at 20 degrees on the Admiralty Brass Hydrometer scale and higher brine densities are not recommended.

3. Prior to changing to the compound, evaporators are to be descaled by acid cleaning, and thoroughly flushed.

4. Extreme care must be taken in the regulation of the flowmeter. Over-dosing of the evaporator with the compound will result in suppression of the boiling action and a fall in production. If this occurs, dosing of the evaporator must be stopped immediately, and is not to be re-commenced until evaporator output has been raised to normal. In cases of very heavy over-dosing, this 'boiling out' process may take up to five days.

5. The use of citric acid for submerged element evaporator treatment on the specified ships is to cease, and they are to change to compound treatment at the first available opportunity. Issue of the compound will be effected by SGSO, Sydney, Depot Code 0027, on demand. Remaining stocks of citric acid are to be used for general cleaning purposes.

6. The compound has the following identification:

Class	Catalogue		Description	UI	CL
	Number				
6850	00-173-7243		SCALE REMOVING COMPOUND	DR	C

7. The flowmeters have been purchased by the Directorate of Naval Machinery and Spares and will be issued without demand to those ships requiring them.

8. Citric acid treatment tanks can remain in use, and dosage lines are eventually to become permanently fixed copper lines.

#### Items Superseded

9. 6810-66-033-7262 CITRIC ACID has been declared redundant for the above specified ships.

10. BR 3001 will be amended in due course but in the meantime Chapter 21 is to be annotated to refer to the use of Scale Removing Compound in lieu of citric acid.

11. Navy Order 348/74 is hereby cancelled.

(N4420/1/1)

(Navy Order 348/74)

AMENDMENTS

UNCLASSIFIED

306/75—Dental Expenses of Dependants Accompanying Members on Long Term Duty Overseas

Annexe B to Navy Order 350/73 is to be amended as follows:

Delete rates shown for Canada and the Philippines and insert in lieu:

Canada	\$CAN	56.00	28.00	3.4.75
Philippines	PESOS	160	80	20.3.75

(156/51/147)

(Navy Order 350/73)

AMENDMENTS

UNCLASSIFIED

30673—Dental Expenses of Dependents Accompanying Members on Long Term Duty Overseas

Annex B to Navy Order 35073 is to be amended as follows:

Below rates shown for Canada and the Philippines and zero in last

Canada	3CAN	28.00	28.00	28.00
Philippines	PHOS	180	80	20.73

(128633347)

(Navy Order 35073)

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ANO 307/75



# AUSTRALIAN NAVY ORDER

CONTENTS

Navy Office, Canberra,  
12 November 1975.

The enclosed order is promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
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### CONTENTS

No	Title
<b>SECTION 3—OPERATIONAL AND TRAINING</b>	
307/75	Sea King MK50—Aircrew, Qualifications and Current Practice Requirements.

**Section 3****OPERATIONAL AND TRAINING**

UNCLASSIFIED

**307/75—Sea King MK50—Aircrew, Qualifications and Current Practice Requirements**

1. This Navy Order has two annexes:
  - Annexe A—Aircrew Qualifications.
  - Annexe B—Aircrew Current Practice Requirements.
2. Annexe A shows the qualifications of the individual Sea King MK50 Aircrew. It defines which qualifications may be awarded, the requirements for the award and when the qualification is to be tested. The requirements of this section are to be met where possible by all Front and Second Line Aircrew who are not under training. Tests are to be conducted at Squadron level.
3. Annexe B shows the minimum current practice requirements for front line aircrew to maintain an effective level of operational efficiency. Second line aircrew who are not under training are required to achieve where possible the following current practice requirements:
  - a. Pilot—Captain FCS/Night SAR Requirements;
  - b. Pilot—Instrument Rating Requirements; and
  - c. Observer—Airborne Aircraft Control Grade.

The remainder of the current training practice requirements should be observed where practicable.

**ANNEXE A**  
**Aircrew Qualifications**

**Pilot**

1. Current Instrument Rating in accordance with Navy Order 183/75.

**Aircraft Captain**

1. The requirements for an aircraft captain are:
  - a. Current in all the on the job training standards, as listed in Sea King MK50 Pilot Training Syllabus.
  - b. 200 hours on type (approximately); 50 hours for conversion/refresher pilots.
  - c. Assessed safe by the squadron QHI in the following:
    - (i) decklandings, day and night (if appropriate);
    - (ii) personnel transfers, day and night;
    - (iii) SAR operations, day and night; and
    - (iv) airframe, engine and FCS malfunctions in the simulator;
  - d. Pass an oral examination on the following:
    - (i) aircraft knowledge;
    - (ii) carrier/ATC operations;
    - (iii) ASW operations;
    - (iv) safety equipment;
    - (v) emergency procedures; and
    - (vi) flight planning;
  - e. Pass a day and night flight test with the squadron QHI.

**Observer**

1. Observers shall be deemed qualified on type after successful completion of either an OFS, a conversion, or a refresher flying course.

## ANNEXE A—continued

2. To remain qualified the Observer shall be tested annually. The test is to be based on the last RCCS sorties of the OFS course which test his skills in:

- a. ASW;
- b. Surface Surveillance.

The test is to be conducted when practicable in the RCCS, and if the level of practical skills is found to be deficient then remedial training is to be given.

3. **Airborne Aircraft Control, Grades.** There are three grades of Controller which may be awarded to the Observer by the Squadron Commanding Officer. They are listed below:

- a. **Control Grade—Ungraded.** This grade applies to all Observers who do not hold a higher control grade. They must not positively control aircraft except when under training and are directly supervised by a current Qualified Airborne Aircraft Controller.
- b. **Control Grade—Restricted.** This grade entitles an Observer to control a maximum of one other aircraft for attacks under all weather conditions by day or by night. The grade will be awarded on successful completion of an OFS, a Conversion, or a Refresher Flying course.
- c. **Control Grade—Qualified.** This grade entitles an Observer to control a maximum of:
  - (1) three other aircraft at any time;
  - (2) two other aircraft for attacks; and
  - (3) two other aircraft in the tactical role for search and identification,

under all weather conditions by day and by night. The grade may be awarded at the Squadron Commanding Officers discretion when the following additional requirements are met:

- (1) directing other helicopters .. .. 20.0 hours
- (2) directing other helicopters in radar vectacs .. 12 occasions
- (3) directing fixed wing aircraft .. .. 5.0 hours
- (4) directing fixed wing aircraft in attacks .. 6 occasions in the previous 6 months.

4. To maintain a control grade the Observer shall be tested as at paragraph 2 annually.

**Aircrewmen**

1. Aircrewmen shall be deemed qualified on type after successful completion of either an OFS, a conversion, or a refresher flying course.

2. To remain qualified the Aircrewman shall be tested annually. Part of the test is to be based on the RCCS sorties of the OFS which test the following skills;

- a. tracking;
- b. classification; and
- c. detection.

The remainder of the test is to be based on the air sorties of the OFS which test the following skills:

- a. night live rescue;
- b. personnel transfers with a ship; and
- c. sonar reeling machine.

If the level of practical skills is found to be deficient then remedial training is to be given.

**Co-Pilot**

1. To have completed a Sea King MK50 OFS, conversion or refresher.
2. To be assessed by the training flight as a co-pilot.

## ANNEXE B

## Aircrew Current Practice Requirements

**Pilot**

Aircraft	Qualification	Skill/Remarks	Occasions	Sorties	Hours	Period
Sea King MK50	Captain	1. Sixty flight hours (50% of which may be in the simulator), including 10 hours night flying.	..	..	..	3 monthly
		2. An airframe, engine emergencies check in the simulator.	..	2	2	3 monthly
		3. An FCS malfunction check in the simulator.	..	2	2	3 monthly
		4. Manual Jumps.	15	..	..	3 monthly
		5. Modified and full FCS Jumps, solely by reference to instruments. (50% of this requirement may be achieved in the simulator).	30	..	..	3 monthly
		6. Three personnel transfers.	..	..	..	3 monthly
		7. Advanced single engine familiarise with squadron QHI.	..	..	..	6 monthly
All Pilots		8. Standardisation check with squadron QHI (day and night). 9. Current Instrument Rating iaw Navy Order 183/75.	2	2	..	6 monthly

**Currency**

Aircraft	Qualification	Skill/Remarks	Occasions	Sorties	Hours	Period
Sea King MK50	Co-pilot	1. Forty-five flight hours (up to 50% of which may be in the simulator), including 8 hours night flying.	..	..	..	3 monthly
		2. Casex's a. day .. ..	..	9	..	3 monthly
		b. night .. ..	..	3	..	
		3. Satisfactory progression through the task book, which is to be assessed by a check flight by the squadron QHI (Day and Night).	2	2	..	6 monthly

Notes: 1. If the preceding current practice requirements are not achieved, then the authorising officer must take this into account when authorising/briefing the pilot concerned.

2. Every attempt must be made to ensure pilots achieve the current practice requirements in order to maintain the necessary standards of operational efficiency and flight safety.

## ANNEXE B—continued

## Observer

Item	Skill/Remarks	Occasions	Sorties	Hours	Period
1	CTS1—Perform Sea King Cabin emergency drills	1	..	..	6 monthly
2	CTS2—Operate Air Station first aid and fire fighting appliances	1	..	..	yearly
3	CTS4(j)—Fire the Very pistol	1	..	..	yearly
4	CTS4(k)—Operate the manual fuel jettison cock	1	..	..	yearly
5	CTS9—Navigate the A/C in the SAR role	1	..	..	3 monthly
6	CTS9—Navigate the A/C in controlled civilian airspace	1	..	..	6 monthly
7	CTS13—Use and report contacts in grid	1	..	..	3 monthly
8	CTS15—Perform a live night rescue	1	..	..	6 monthly
9	CTS15—Perform all types of current rescue techniques	1	..	..	6 monthly
10	CTS17—Operate the sonar	..	..	1.0	6 monthly
11	CTS21—Perform a Vertrep with a ship	1	..	..	yearly
12	CTS22—Perform a personnel transfer with a ship or submarine	1	..	..	6 monthly
13	CTS23—Perform a DI, AFI, BFI	1	..	..	3 monthly
14	CTS25—Calibrate and adjust a Sea King compass	1	..	..	yearly
15	CTS26—Give a route forecast from a prepared weather chart	1	..	..	6 monthly
16	CTS29—Perform the duty of a. DIP BOSS .. .. .	6	..	..	6 monthly
	b. SAC .. .. .	6	..	..	6 monthly
17	CTS30—Direct own and consort Sea King in the following ASW situations: a. tracking .. .. .	..	..	6.0	6 monthly
	b. screening .. .. .	..	..	6.0	6 monthly
	c. area searches .. .. .	6	..	..	6 monthly
	d. datum investigation .. .. .	6	..	..	6 monthly
	e. helo attacks .. .. .	12	..	..	6 monthly
18	CTS31—Direct own and consort Sea King in the following ASW situation: Co-ordinated action and attack with ships	..	3	..	6 monthly
19	CTS32—Perform the duties of ASCU	..	..	6.0	6 monthly
20	CTS33—Direct own Sea King in the following surface surveillance situations: a. search .. .. .	..	..	6.0	6 monthly
	b. identification .. .. .	..	..	3.0	6 monthly
21	CTS34—Direct own and consort Sea King or other Aircraft in the following surveillance situations: a. search .. .. .	..	..	3.0	6 monthly
	b. identification .. .. .	..	..	3.0	6 monthly
	c. attack .. .. .	..	..	1.0	6 monthly
22	CTS35—Operate with other ASW aircraft in the following situations: a. tracking .. .. .	3	..	..	6 monthly
	b. datum searches .. .. .	3	..	..	6 monthly
	c. area searches .. .. .	3	..	..	6 monthly
23	CTS36—Direct other ASW aircraft in the following situations: a. Vectac .. .. .	3	..	..	6 monthly
	b. Madvec .. .. .	3	..	..	6 monthly
	c. Infotac .. .. .	1	..	..	6 monthly
24	CTS37—Perform Vectac Analysis	3	..	..	6 monthly
25	CTS39—Construct a track chart and narrative from airborne records	3	..	..	6 monthly

## ANNEXE B—continued

Item	Skill/Remarks	Occasions	Sorties	Hours	Period
26	CTS40—Administer first aid in an SAR environment—re-brief by sick bay	1	..	..	6 monthly
27	CTS42—Know the emergency procedures as laid down in the pilots checklist—read lesson plan 54 and take oral B1.	1	..	..	6 monthly
28	CTS45—Comprehend the requirements of Flight Safety and accident prevention—read lesson plan 26	1	..	..	6 monthly
29	CTS46—Know the general contents of publications concerning flying in the RAN—read lesson plan 27	1	..	..	6 monthly
30	CTS49—Comprehend the submarine safety organisation and the Australian SAR organisation—read lesson plan 109	1	..	..	6 monthly
31	CTS51—Comprehend the principles of and know the method of ASW aircraft tasking—read lesson plan 115	1	..	..	yearly
32	CTS55—Know the broad functions of the NCS organisation—read lesson plan 111	1	..	..	yearly
33	CTS59—Know the broad contents of AJTP 01, ATP 1A, AXP 1B, AXP 5, ATP 28, ACP 165, ATP 10A, AFTI'S—read lesson plan 63	1	..	..	6 monthly
34	CTS61—Know the likely threat of enemy units to helicopters. Rebrief by an Intelligence Officer.	1	..	..	6 monthly
	<i>Note: When a currency requirement lapses remedial refresher training is to be given when practicable.</i>				
35	<b>Airborne Aircraft Controller</b> To maintain the direction skills required by: CTS30—see item 17 CTS31—see item 18 CTS32—see item 19 CTS33—see item 20 CTS34—see item 21 CTS36—see item 23 The following tasks must be completed: a. directing other helicopters .. .. .	..	..	10.0	} Within previous 6 months
	b. directing other helicopters in radar Vectacs .. .. .	6	..	..	
	c. directing fixed wing aircraft .. .. .	..	..	2.5	
	d. directing fixed wing aircraft in attacks .. .. .	3	..	..	

Notes: 1. Observers who are unable to maintain the direction requirements as at paragraph 35, are to be regraded to 'Restricted' grade. Remedial training is to be given and the observer tested on his direction skills before re-awarding of the 'Qualified' grade iaw Annex A, Observer Qualifications.

2. Where possible, current practice requirements may be met in the simulator.

## ANNEXE B—continued

## Aircrewmen

Item	Skill/Remarks	Occasions	Sorties	Hours	Period
1	CTS1—Perform Sea King cabin emergency drills	1	..	..	6 monthly
2	CTS1—Operate manual fuel jettison cock ..	1	..	..	yearly
3	CTS2—Operate air station first aid and fire fighting appliances	1	..	..	yearly
4	CTS9—Operate landing compass and Watts datum	1	..	..	yearly
5	CTS10—Perform a live night rescue ..	1	..	..	3 monthly
6	CTS10—Perform all types of current rescue techniques	1	..	..	3 monthly
7	CTS11—Perform a Vertrep with a ship ..	1	..	..	6 monthly
8	CTS12—Perform a personnel transfer with a ship or submarine	1	..	..	3 monthly
9	CTS13—Perform a DI, AFI and BFI ..	1	..	..	3 monthly
10	CTS16—Administer first aid in an SAR environment. Rebrief by sick bay	1	..	..	6 monthly
11	CTS21(j)—Fire a Very pistol ..	1	..	..	yearly
12	CTS22(a)—Navigate the Sea King in SAR role ..	..	1	..	3 monthly
13	CTS23—Perform correct action for own or other aircraft emergency	1	..	..	6 monthly
14	CTS27—(a) broadcast enemy reports, .. (b) use and report contacts in grid ..	..	1	..	6 monthly
15	CTS28—Direct other aircraft in a non-tactical role in the local area	..	..	1.0	3 monthly
16	CTS31—Interpret the readings of, operate, recognise faults and take remedial action applying to:				
	a. sonar .. ..	..	..	6.0	3 monthly
	b. MPR .. ..	..	..	6.0	3 monthly
	c. exdak .. ..	..	3	..	3 monthly
	d. reeling machine .. ..	..	3	..	3 monthly
17	CTS32—Interpret the readings of and operate the:	1	..	..	6 monthly
	a. AUW Presetter				
	b. armament Control Panel				
18	CTS33—Use the sonar to:				
	a. detect .. ..	15	..	..	6 monthly
	b. classify .. ..	15	..	..	6 monthly
	c. track .. ..	..	..	4.0	6 monthly
	Sonar contacts in varying water conditions				
19	CTS34—Translate a bathythermograph message and estimate TSR/Ball depth	2	..	..	monthly
20	CTS41—Know appropriate emergency procedures as laid down in the pilots check list—read lesson plan 54 and take oral test	1	..	..	6 monthly
21	CTS43—Comprehend the requirements of flying safety and accident prevention—read lesson plan 26	1	..	..	6 monthly

(312/1/116)

(Navy Order 183/75)



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ANOs 308/75-314/75



# AUSTRALIAN NAVY ORDERS

SECTION 1—ADMINISTRATIVE AND GENERAL

108/75 Training Committee Program 1975

SECTION 2—PERSONNEL

109/75 Carriage of Vets in EASV Assets

110/75 Foreign Language Training for Members of the

Navy Office, Canberra,  
17 November 1975.

SECTION 3—BOOKS, CORRESPONDENCE, FORMS

111/75 The enclosed orders are promulgated for information, guidance and necessary action.

SECTION 4—CANCELLED LIST

112/75 By direction of the Naval Board,

AMENDMENTS

113/75 PENNY Lifetime Disability Vets to Drive

114/75 Medical Examinations 1980—Civil Certificate of Competence

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

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- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 4718.

ADMINISTRATIVE AND GENERAL

CONTENTS

No	Title
SECTION 1—ADMINISTRATIVE AND GENERAL	
308/75	Training Committee Program 1976.
SECTION 2—PERSONNEL	
309/75	Carriage of VIPs in RAN Aircraft.
310/75	Foreign Language Training for Wives of Service Personnel at Overseas Posts.
SECTION 5—BOOKS, CORRESPONDENCE, FORMS AND STATIONERY	
311/75	Accountable Forms—Demand and Control.
SECTION 7—CANCELLED LIST	
312/75	Program of Professional Tests for Promotion to SD List—September 1975.
AMENDMENTS	
313/75	FENZY Inflatable Buoyancy Vests for Divers.
314/75	Marine Engineering Sailors—Civil Certificates of Competence.



**Section 1****ADMINISTRATIVE AND GENERAL****UNCLASSIFIED****308/75—Training Committee Program 1976**

1. With reference to ABR 27 Vol 2, the Training Committee will visit the following establishments and HMA Fleet in 1976 during the months shown:

HMA Fleet .. .. .	January
HMAS MORETON .. .. .	February
HMAS NIRIMBA and CRESWELL .. .. .	April
HMAS WATSON and PLATYPUS .. .. .	June
HMAS PENGUIN .. .. .	September
HMAS ENCOUNTER, CERBERUS and HUON ..	November

2. Actual dates for the visits will be advised direct to the Administrative Authorities and establishments concerned.

3. Navy Order 321/74 is hereby cancelled.

(42/22/735)

(Navy Order 321/74)

**Section 2****PERSONNEL****UNCLASSIFIED****309/75—Carriage of VIPs in RAN Aircraft**

1. The air transport of VIPs in Australia is not an established function of the RAN but there may be occasions such as a VIP visiting a ship at sea, when RAN aircraft will be required to be used for this purpose.

2. In relation to the carriage of VIPs in Service aircraft, the term VIP includes the following persons:

- a. members of the British Royal Family;
- b. the Governor-General;
- c. the Prime Minister;
- d. other Federal Ministers;
- e. persons of similar status from other countries;
- f. the Leader of the Opposition and Deputy Leader of the Opposition;
- g. parliamentary committees travelling on parliamentary business;
- h. Permanent Heads of Australian Government Departments; and
- i. officers of the ranks of Rear Admiral and above, and equivalent ranks in Australian and other forces.

**Approving Authority for VIP Flights**

3. The approving authority for VIP flights in RAN aircraft is the Chief of Naval Staff.

**Records**

4. On each occasion that a VIP flight is undertaken a notation to this effect is to be entered in the Squadron Flight Authorisation Book. If VIP procedures are waived (*see* Paragraph 13) the decision and reasons for it are to be recorded in the Squadron Flight Authorisation Book.

**Operational Control of VIP Flights**

5. Unless otherwise directed by the Naval Board, operational control of VIP flights is delegated to Flag Officers who are responsible for the efficient conduct of VIP operations.

**Safety Aspects**

6. The captain of an aircraft carrying VIPs is to ensure that:
- passenger manifests are compiled;
  - he is satisfied that the aircraft loading and centre of gravity are within safe limits; and
  - the provisions of RI 6053A and 6211 are carried out.

**Briefing, Movement Reporting, Air Traffic Procedures**

7. All aspects of briefing, movement reporting and air traffic procedures are to be in accordance with AAP 382 (*see* RI 6305).

**Aircrew Standards**

8. Before being employed on VIP flying duties aircrew are to have, as appropriate:
- Captain**
    - A total of 1,500 flying hours;
    - 1,000 hours as an aircraft captain, of which 250 hours must be in multi-engined aircraft;
    - completed an approved conversion course for the aircraft type, and qualified as aircraft captain;
    - in current flying practice and to have acquired a minimum of 100 hours on type;
    - current Qualified Instrument Rating on aircraft type; and
    - current flying assessment is above average.
  - Second Pilot**
    - Completed an approved conversion course for aircraft type to first pilot; and
    - current Qualified Instrument Rating on the aircraft type.
  - Other Aircrew**
    - In current practice on aircraft type; and
    - current flying assessment is above average.

9. The briefing authority is to ensure that the VIP has been given a form of notice (RI 6052) and, if required, that he has signed an indemnity form (RI 6053).

**Communications**

10. The Commanding Officer of the airfield of departure of a VIP flight is responsible for ensuring that movement messages are dispatched in accordance with AAP 382.

11. VIPs may travel only in multi-engined aircraft except as shown in Paragraph 12.

**Waiving of VIP Procedures**

12. VIP procedures do not apply in the following circumstances and the VIP is to be so informed:

- when a Service VIP flies as an aircrew member of an aircraft;
- when a VIP travels in a single-engined aircraft or helicopter; or
- when a VIP travels as an observer or passenger on an operational flight or exercise.

13. In other circumstances a Commanding Officer may waive VIP procedures prescribed in this order with the concurrence of the VIP for whom the flight is approved, if the Commanding Officer is satisfied that:

- all VIP procedures cannot be observed;
- the crew is the best available and is competent to carry out the task;
- those VIP procedures which can be observed are observed; and
- the VIPs travel could not be arranged as conveniently by some other means.

14. VIP procedures are not to be waived in respect of the following:

- members of the British Royal Family;
- the Governor-General; and
- persons of similar status to the above, including heads of allied and friendly neutral states, Governors-General of Dominions, and Governors of Australian States.

15. RI Article 6065 will be amended.

(75/1/22)

**UNCLASSIFIED****310/75—Foreign Language Training for Wives of Service Personnel at Overseas Posts**

1. The provisions concerning foreign language training for the wife of a member posted overseas on long term duty have been reviewed and the following will now apply:

- Payment of tuition fees may be approved up to a limit of 40 hours when a working knowledge of the relevant foreign language is required for every day purposes, for representation purposes or for personal security.

b. Payment of tuition fees for up to a further 40 hours training may be approved having regard to:

- (1) the requirements for the wife to engage in representational or other special activities;
- (2) the inherent difficulty of the language; and
- (3) aptitude and progress made.

A report from the tutor indicating progress at the end of the first 40 hours and anticipated additional training is required.

c. Where it is considered that training of more than 80 hours is necessary details are to be included in the application to Navy Office. Proposals should include a statement of reasons for the additional training and evidence of aptitude and satisfactory progress in the tuition already undertaken, ie, a proficiency examination would normally be necessary to demonstrate satisfactory progress.

2. In applying the above provisions regard will be had to the need for a wife to receive tuition in a foreign language. Generally the provisions will not be applied in circumstances where English is a common language in a foreign country, or where English is sufficient to meet a particular situation. For example, there would not be a need for a wife of a member serving in Malaysia/Singapore and Pakistan to be taught a foreign language.

3. Applications for approval, in accordance with Paragraph 1 above, are to be forwarded to Navy Office and each case will be dealt with on its merits.

4. Navy Order 379/72 is hereby cancelled.

(311/3/94)

(Navy Order 379/72)

## Section 5

### BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

#### 311/75—Accountable Forms—Demand and Control

1. From the date of receipt of this order, issues of the following forms will be made by the Superintending Victualling Store Officer (SVSO), Sydney, in accordance with the procedures detailed hereunder:

Form No	Description
ST100	Freight Warrant/Consignment Note
PB107	Excess Baggage/Unaccompanied Baggage Warrant
PB108	Travel Warrant
PB128	Travel Warrant (Chargeable)

2. These forms will be supplied by SVSO only upon written request from the Supply Officer of a ship or establishment, or other persons named in the list of authorised drawers promulgated by the Director of Naval Accounts. Each such request is to be accompanied by a Local Issue Voucher (Form SX40).

3. Supply of the forms will be made direct to the originator of the request with relevant copies of the Issue Voucher (showing serial numbers of the forms) enclosed. The receipt copies are to be certified and returned to SVSO.

4. On receipt, the forms are to be accounted for in accordance with ABR 5018, Navy Accounts Manual, Article 311.

5. ABR 4, RAN Storekeeping Manual, Articles 2519 and 2521, and ABR 5018, Navy Accounts Manual, Article 310, will be amended.

(N7540/1/5)

## Section 7

### CANCELLED LIST

UNCLASSIFIED

#### 312/75—Program of Professional Tests for Promotion to SD List—September 1975

1. Navy Order 149/74 is cancelled by 137 F message 250017Z—June 1975.

(N386/5/6)

(Navy Order 149/74)

UNCLASSIFIED

#### 314/75—Master Engineering Officer—Officer Certificate of Competence

1. Navy Order 149/74 is cancelled as follows:
  - a. Paragraph 1 and Paragraph 2. The provisions of Paragraph 1 and Paragraph 2 shall apply to the certificate of competence for the Master Engineering Officer (MEO) as defined in the MEO Regulations. The certificate shall be issued to the holder of the certificate of competence for the MEO as defined in the MEO Regulations. It is required that the holder of the certificate of competence for the MEO shall be a member of the Royal Australian Naval Reserve or the Royal Australian Navy. The certificate shall be issued by the Director of Naval Accounts.
  - b. Paragraph 3 and Paragraph 4. The provisions of Paragraph 3 and Paragraph 4 shall apply to the certificate of competence for the MEO as defined in the MEO Regulations. The certificate shall be issued to the holder of the certificate of competence for the MEO as defined in the MEO Regulations. It is required that the holder of the certificate of competence for the MEO shall be a member of the Royal Australian Naval Reserve or the Royal Australian Navy. The certificate shall be issued by the Director of Naval Accounts.
  - c. Paragraph 5. The provisions of Paragraph 5 shall apply to the certificate of competence for the MEO as defined in the MEO Regulations. The certificate shall be issued to the holder of the certificate of competence for the MEO as defined in the MEO Regulations. It is required that the holder of the certificate of competence for the MEO shall be a member of the Royal Australian Naval Reserve or the Royal Australian Navy. The certificate shall be issued by the Director of Naval Accounts.
  - d. Paragraph 6. The provisions of Paragraph 6 shall apply to the certificate of competence for the MEO as defined in the MEO Regulations. The certificate shall be issued to the holder of the certificate of competence for the MEO as defined in the MEO Regulations. It is required that the holder of the certificate of competence for the MEO shall be a member of the Royal Australian Naval Reserve or the Royal Australian Navy. The certificate shall be issued by the Director of Naval Accounts.

**AMENDMENTS**

UNCLASSIFIED

**313/75—FENZY Inflatable Buoyancy Vest for Divers**

1. Navy Order 197/75 is to be amended as follows:

*Insert new Paragraph 18.*

**Allowances**

	<i>Unit/Ship</i>				<i>Allowance</i>
18. a.	AUS CDT 1	..	..	..	10
	AUS CDT 2	..	..	..	10
	AUS CDT 4	..	..	..	4
	HMAS PENGUIN	..	..	..	46
	HMAS MELBOURNE	..	..	..	6
	HMAS ALBATROSS	..	..	..	6
	HMAS SNIPE	..	..	..	3
	HMAS CURLEW	..	..	..	3

b. Buoyancy vests will be issued without demand to ships and units shown above.

(400/1/2927)

(Navy Order 197/75)

UNCLASSIFIED

**314/75—Marine Engineering Sailors—Civil Certificates of Competence**

1. Navy Order 224/75 is to be amended as follows:

a. *Delete* Paragraph 4 and *insert* new Paragraph 4:

Since employment records are not maintained in sufficient detail, these forms can only be completed prior to the sailors posting from a seagoing ship, MWV squadron or shore establishment. The information contained on each form is only to cover the period of employment in that ship, squadron or establishment. It is incumbent upon each sailor to request that his head of department (or squadron EO) completes the relevant sections of the form prior to being posted. The form should then be retained by the sailor.

b. *Delete* Paragraph 5 and *insert* new Paragraph 5:

The forms are to be completed in typescript, signed by the Marine Engineer Officer, quoting his rank and ship, squadron or establishment, and stamped with the official ship, squadron or establishment stamp.

c. **Annex A, Paragraph 1:**

*Amend* line 2 to read:

(proof of Apprenticeship or Tradesman's Rights to be produced).

d. Amend file reference at end of Annex A to read '341/8/10' in lieu of '134/1/70'.

(N341/8/10)

(Navy Order 224/75)

AMENDMENTS

UNCLASSIFIED

313-72-4ENXZ Inflationary Pressure Free for Inflation

1. New Order 197172 is to be amended as follows:

Insert new Paragraph 13

Amendments

Amendment	Page(s)
13 a	1
13 b	2
4	4
5a	4
5 b	5
5 c	5
5 d	5
5 e	5
5 f	5
5 g	5
5 h	5

2. Paragraphs 13 will be added without demand for title and will be shown above.

(40011237)

(New Order 197172)

UNCLASSIFIED

314-72-34ENXZ Inflationary Pressure—Civil Criticisms of Computations

1. New Order 23472 is to be amended as follows:

a. Delete Paragraph 4 and insert new Paragraph 4:

Since employment records are not maintained in sufficient detail, these forms are only to be completed prior to the labor count from a wage and hour report or other available information. The information contained in this MWV report is to be used to determine the inflationary pressure on each firm is only to cover the period of employment in that firm, and not the entire period. It is important upon each labor to report upon or establishment. It is important upon each labor to report upon or establishment (or upon the EO) complete the relevant sections of the form prior to being posted. The form should then be retained by the labor.

b. Delete Paragraph 7 and insert new Paragraph 7:

The forms are to be completed in duplicate, signed by the Machine Operator, and stamped with the official stamp of establishment stamp.

c. Amend A, Paragraph 1:

Amend line 1 to read:

(Proof of Apprenticeship or Trainee's Rights to be provided).

d. Amend the reference at end of item A to read "314-72-34ENXZ" in part of

1341170

(30411810)

(New Order 23472)

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Victoria Barracks*

ANOs 315/75-322/75



# AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,  
19 November 1975.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

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## CONTENTS

<i>No</i>	<i>Title</i>
<b>SECTION 2—PERSONNEL</b>	
315/75	Enrolment for Electoral Purposes—Members Serving in HMA Ships.
316/75	Sailors—Transfer of Branch.
<b>SECTION 4—EQUIPMENT, STORES AND SERVICING</b>	
317/75	Arma Brown Compasses—8145-66-081-2499 Transport Containers.
<b>SECTION 5—BOOKS, CORRESPONDENCE, FORMS AND STATIONERY</b>	
318/75	ABR 19—RAN Painting Manual.
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320/75	Fire Precautions Establishments.
321/75	Introduction of Glass Fibre Material for Curtains and Drapes in HMA Ships.
322/75	Papua New Guinea Defence Force—RAN Participation in Australian Defence Assistance Group—(PNG ADAG).

**Section 2**

**PERSONNEL**

UNCLASSIFIED

**315/75—Enrolment for Electoral Purposes—Members Serving in HMA Ships**

1. RI Article 2521 states—'Each qualified member (ie, any member eighteen years of age or over who is a British subject, and has lived in Australia for six months continuously) who has a bona fide place of living on shore (ie, a place such as a residence of his wife or parents which he normally regards as his home) must enrol for the electoral subdivision in which that place of living is situated. Each qualified member serving in an establishment who has no bona fide place of living on shore must enrol for the electoral subdivision in which the establishment is situated'.

2. The enrolment requirement for electoral purposes for qualified members serving in HMA ships who have no bona fide place of living on shore are as follows and such members should enrol for the electoral subdivision shown for the base port of their ship:

Base Port	Subdivision	Division	State District	State Province
Sydney	King	Sydney	Phillip	
Melbourne	Dromana	Flinders	Dromana	South Eastern
Brisbane	Merthyr	Brisbane		
Cairns	Cairns	Leichhardt		
Fremantle	Fremantle	Fremantle		
Darwin—Electoral District—Victoria River				

Base Port	HMA Ships
Melbourne	.. HMAS ARDENT, DERWENT, PARRAMATTA, STUART, YARRA
Brisbane	.. HMAS BALIKPAPAN, BETANO, BRUNEL, LABUAN, TARA-KAN, WEWAK
Cairns	.. HMAS BARBETTE, BARRICADE, BAYONET, FLINDERS
Fremantle	.. HMAS DIAMANTINA, MORESBY
Darwin	.. HMAS ADROIT, ADVANCE, ASSAIL, ATTACK
Sydney	.. All other HMA ships.

3. This order will be reprinted for posting on notice boards and RI 2521 will be amended.

CONTENTS

SECTION 3—PERSONNEL

315/75 Enrolment for Electoral Purposes—Members Serving in HMA Ships

315/75 Ships—Transfer of Branch

SECTION 4—EQUIPMENT, STORES AND SERVICES

315/75 Army Brown Compress—4112-00-001 Cargo Transport Containers

SECTION 5—BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

315/75 ABR 12—RAM Training Manual

SECTION 6—ESTABLISHMENTS

315/75 For Provision—Electoral Five in Establishments

AMENDMENTS

320/75 For Provision—Establishments

321/75 Introduction of Class Five Manuals for Customs and Duties in HMA Ships

323/75 Papua New Guinea Defence Force—RAM Participation in Joint Staff Defence Advisory Group—(FMG ADAG)



UNCLASSIFIED

**316/75—Sailors—Transfer of Branch**

1. When application for a sailor to transfer to another branch is received at Department of Defence (Navy Office), the decision is made after consideration of the following factors:

- a. the Commanding Officer's recommendation;
- b. the Psychologist's assessment of suitability for the new branch(es);
- c. the sailor's suitability and performance in his present branch;
- d. the sailor's suitability for his future category, as assessed after a trial period. A report is to be forwarded with the application for transfer;
- e. the present and future estimated manpower position in the branches involved in the transfer;
- f. medical standards required for branches;
- g. posting problems involved in the transfer;
- h. course availability in the new branch;
- i. the amount of effort already expended in training the sailor both formally and on the job to bring him to the present level of experience;
- j. the amount of re-training involved; and
- k. any relevant civilian experience prior to joining.

2. As part of the application procedure, Commanding Officers are urged to elicit the real reason for a transfer application being requested. Where applicable, applications should contain at least two other categories listed in order of preference for transfer. Sailors should be advised that transfers are not made automatically, and they should be assisted in arriving at realistic alternative choices.

3. Many applications are not approved because some of the factors listed in Paragraph 1, which are not known to Commanding Officers, outweigh the other considerations. The result is that administrative effort, particularly in the Fleet, has been expended unnecessarily.

4. To reduce this administrative effort, it has been decided to place some restrictions on transfers of branch. Where the manpower situation or other factors so dictate categories will be designated 'Restricted Categories'. These restricted categories will be divided into two groups:

- a. those FROM WHICH a transfer is restricted; and
- b. those TO WHICH a transfer is restricted.

5. Applications for transfers involving a restricted category are only to be submitted if, in the Commanding Officer's opinion, exceptional circumstances exist.

6. A trial period in the proposed category should not be undertaken unless, in the opinion of the Commanding Officer, the applications meet the requirement in Paragraph 5 of this order.

7. Details of 'Restricted Categories' will be promulgated as required by General Message.

8. Navy Order 394/72 is hereby cancelled.

(303/21/161)

(Navy Order 394/72)

**Section 4****EQUIPMENT, STORES AND SERVICING**

UNCLASSIFIED

**317/75—Arma Brown Compasses—8145-66-081-2499 Transport Containers**

1. In the past, costly damage has occurred to compasses in transit due to the use of unsuitable containers. To facilitate the safe movement of the Arma Brown Compasses transport containers have been manufactured by Garden Island Dockyard and are identified as follows:

Class	Catalogue Number	Description	UI	CL
8145	66-081-2499	BOX, SHIPPING, GYRO	.. EA	C

2. Demands should be lodged with Superintending Electrical Stores Officer, Sydney (Depot Code 0094).

3. These containers are to be held by the following:

HMAS WATERHEN	..	..	..	..	1 EA
HMAS MORETON	..	..	..	..	1 EA
HMAS COONAWARRA	..	..	..	..	1 EA
HMAS LEEUWIN	..	..	..	..	1 EA
HMAS ENCOUNTER	..	..	..	..	1 EA
HMAS HUON	..	..	..	..	1 EA
HMAS CAIRNS	..	..	..	..	3 EA
HMAS TARANGAU	..	..	..	..	2 EA
GMGID	..	..	..	..	6 EA
SLSO	..	..	..	..	3 EA

4. Allowance documentation where applicable will be updated.

5. ABR 4 will be amended.

(1/8145/3)

**Section 5****BOOKS, CORRESPONDENCE, FORMS AND STATIONERY**

UNCLASSIFIED

**318/75—ABR 19—RAN Painting Manual**

1. A pocketbook version of the surface preparation and painting systems for HMA ships and submarines was introduced by Navy Order 154/73 as ABR 19 RAN Painting Manual—Pocketbook—1972.

2. The ABR 19 Pocketbook 1972 enables senior sailors and supervisors of painting and preservation operations on HMA ships and submarines to have ready access to preservation procedures.

3. ABR 19 Vol 3 RAN Painting Manual—Submarines supersedes the relevant sections of ABR 19 RAN Painting Manual 1965 as amended by ABR 19 Pocketbook 1972.

4. Initial allowances of ABR 19 Vol 3, in both A4 and B7 (pocketbook) sizes have been issued by Executive Officer Publications, Sydney.

5. ABR 19 RAN Painting Manual 1965 is being extensively revised and rewritten in three volumes, of which only Vol 3 has so far been published.

6. Pending the issue of the revision of all volumes of ABR 19 changes will be advised by Navy Order.

(N7610/3/30)

(Navy Order 154/73)

## Section 6

### ESTABLISHMENTS

UNCLASSIFIED

#### 319/75—Fire Precautions—Electrical Fires in Establishments

1. Attention is directed to the danger arising from the use of water extinguishers by inexperienced persons in locations where electrical risks exist.

2. Water extinguishers will not be located to cover electrical risks and where necessary, an extinguisher employing carbon-dioxide (CO<sub>2</sub>) or BCF will be installed.

3. There is no danger of shock when CO<sub>2</sub> gas or BCF is used to smother fires where high voltage electrical risks exist but the electrical power should be switched off as soon as possible, as the extinguishant has no appreciable effect against a pure electrical arc and gives little cooling effect.

4. Navy Order 164/72 is hereby cancelled.

(1446/1/15)

(Navy Order 164/72)

## AMENDMENTS

UNCLASSIFIED

#### 320/75—Fire Precautions Establishments

1. Navy Order 360/73 is to be amended as follows:

Paragraph 1 (a) Line 1:

Delete the word 'locked' and insert the word 'closed'.

(1446/1/91)

(Navy Order 360/73)

UNCLASSIFIED

#### 321/75—Introduction of Glass Fibre Material for Curtains and Drapes in HMA Ships

1. Navy Order 36/75 is to be amended as follows:

a. Title—At the end of the title add 'Excluding Submarines'.

b. Paragraph 1 Line 1:

After 'HMA Ships' insert 'Excluding Submarines'.

(1/8305/40)

(Navy Order 36/75)

RESTRICTED

#### 322/75—Papua New Guinea Defence Force—RAN Participation in Australian Defence Assistance Group—(PNG ADAG)

1. Navy Order 216/75 is to be amended as follows:

Paragraph 20 delete 'Australian Defence Representative' and insert 'Australian Defence Adviser'.

(N147/2/36)

(Navy Order 216/75)

Navy Orders 235/72 to 320/72 are now over three years old and may be disposed of accordingly.



**RESTRICTED**

**RESTRICTED**

Historian  
Victoria Barracks

ANOs 323/75-336/75



# AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,  
28 November 1975.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

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Additional copies of Navy Orders may be readily obtained by:

- signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- telephoning Navy Office, Canberra 65 4718.

**Section 1**

**ADMINISTRATIVE AND GENERAL**

**UNCLASSIFIED**

**323/75—ASCO Prize Essay Competition**

1. The Army has extended an invitation for all ranks on the active and reserve lists of the Navy to participate in the 1975/76 ASCO Prize Essay Competition.

**Aim**

2. The aim of this essay competition is to encourage original thought and good writing on a Military topic of general interest to the Defence Force.

**Sections**

- 3. The competition is divided into two sections:
  - a. Officers Section.
  - b. Other Ranks Section.

**Prizes**

4. Officers Section—Best Essay	..	..	..	..	\$100.00
Other Ranks Section—Best Essay	..	..	..	..	\$100.00
Best overall essay	..	..	..	..	\$250.00

An essay judged to be the winner of the overall prize is not eligible for a section prize.

**Conditions**

- 5. All ranks of the active and reserve lists of the three Services are eligible.
- 6. Entries close with Headquarters Training Command (Army) on 31 March 1976.
- 7. Competitors may select any Military topic of general interest to the Defence Force. As essays may be published in the Australian Army Journal or similar unclassified publications they are not to contain classified material.
- 8. An essay or thesis is ineligible for submission if it has been prepared as part of any civil or military study undertaken at Government expense, or as part of the writer's normal duties.
- 9. Length of essays is to be between 3,000 and 5,000 words.
- 10. If it is considered that an entry fails to comply with any requirements GOC Training Command may determine it to be ineligible.

**Submission of Essays**

- 11. Essays are to be type-written and submitted in quadruplicate.
- 12. Authorship is to be anonymous. Each competitor is to adopt a pen name and enclose with his essay a sealed envelope with his pen name and section identification type-written on the outside and his name and unit address inside.
- 13. The title and page number of any published or unpublished work to which reference is made in the essay must be quoted.

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14. Essays are to be addressed to:  
 ASCO Prize Essay Competition  
 SQ 1 Examinations Section  
 HQ Training Command  
 PO Box 39  
 DARLINGHURST NSW 2010.

#### Judging

15. Essays are to be judged by at least three referees. Arrangements for the appointment of the referees will be made by GOC Training Command.

16. The referees are empowered to recommend that the Best Overall Prize not be awarded if, in their opinion, no essay submitted is of a sufficiently high standard.

(N122/2/3)

#### UNCLASSIFIED

#### 324/75—Naval Air Museum—Aircraft and Engine Allotment and Accounting Procedures

1. Approval has been given to the establishment of an air museum at NAS NOWRA and until such time that allotment and accounting procedures are included in appropriate publications the following is to apply:

##### Title

- a. The museum will be known as the 'Naval Air Museum'.

##### Custodian

- b. The Commanding Officer, NAS NOWRA, or his nominated representative will be the Custodian.

##### Allotment Procedure

- c. Museum Custodian to request allotment authority from SAMR.  
 d. SAMR, providing there is no objection to the allotment, will request DNAS to seek approval of competent authority for the removal from SAMR records and the allotment to the museum.  
 e. DNAS will seek such approval after agreement by DNAP and DNAE.  
 f. On receipt of such approval DNAS to notify SAMR.  
 g. SAMR will then allot subject aircraft/engines to the museum utilising the classifications:

MAE—Museum Aircraft Establishment; or  
 MEE—Museum Engine Establishment.

##### Transfer Procedure

- h. Transfer of aircraft/engines is to be carried out in accordance with Part 08, AP (RAN) 102. All log books, technical documentation and a set of applicable maintenance publications are to accompany aircraft/engines and be retained by the Museum Custodian.

#### Accounting Procedures

- i. On acceptance by the Museum Custodian, accounting procedures are to be in accordance with Part 09, ABR 5130 'Standard Instructions for Accounting for Articles-In-Use in HMA Store Depots, Dockyards and Other Non-commissioned Shore Establishments'.

#### Technical Responsibility

2. Aircraft/engines allotted MAE/MEE and accepted by the Museum Custodian will not be required for further operational use. The preservation and general condition of such equipment will be the responsibility of the Museum Custodian absolving SAMR of all technical responsibilities.

#### Spares-In-Aid

3. For aircraft type currently in use normal demand and supply procedures are to apply. In the case of non-current-type aircraft/engines the Custodian is to assess anticipated spares requirements and place demands on a one-time-basis in order that the spares may be forwarded to and held by NAS NOWRA prior to disposal action of obsolete aircraft/engine spares.

#### Publications

4. Publications AP (RAN) 102 and ABR 5130 will be amended to reflect the above procedure.

(N324/3/6)

#### UNCLASSIFIED

#### 325/75—RAN College Timetable 1976

1. Term dates for the Royal Australian Naval College in 1976 will be as follows:

Term 1	27 January to 29 April
Term 2	17 May to 19 August
Term 3	6 September to 3 December.

2. The 1976 Junior Entry will join RAN College on Monday 19 January and the 1976 Senior Entry on Monday 2 February.

3. Navy Order 379/74 is hereby cancelled.

(N105/1/18)

(Navy Order 379/74)

#### UNCLASSIFIED

#### 326/75—Safety—Confined Spaces and Unventilated Compartments—Precautions on Entering

1. Accidents continue to occur from time to time when men are working in confined spaces or poorly ventilated compartments. It is most important that all concerned are fully conversant with the precautions necessary before entering such compartments.

2. Form LP129 is reproduced as Annex A to this order; the forms are to be obtained from SVSO, Sydney, and displayed as indicated.

3. Navy Order 372/72 is hereby cancelled.



## ANNEX A

**Confined Spaces and Unventilated Compartments—Precautions to be Observed Before Entering—Use of Safety Lamps**

To be displayed in all prominent positions in the ship where men congregate, on the Engineering Mechanic Mess Deck and in the Engineroom Department Bathroom

**Unventilated Compartments**

1. These are defined as those spaces or compartments which have been completely closed up without through ventilation for more than 24 hours. All confined spaces, defined in the Marine Engineering Manual, BR 3000, Article 0602, are to be treated as unventilated compartments.

**Naked Lights**

2. These are not to be used inside an unventilated compartment or within 20 feet of the opening until it has been ascertained by means of a safety lamp that the air therein is pure enough for men to work in and does not contain any explosive gas.

**Safety Lamps**

3. These are to be used for testing the air in unventilated compartments. The instructions for the use of safety lamps which are fully described in the Marine Engineering Manual, BR 3000, Articles 0603 and 0604, and BR 3003 (1), Naval Marine Engineering Practice, Volume 1, Chapter 14, are to be strictly complied with.

**Precautions**

4. An air fan with hose is to be used freely for ventilating with fresh air before men are admitted to the compartment and while they are at work. If a compartment has not been opened up for a considerable time, a good current of air is to be supplied and the compartment left open for some time, preferably 24 hours, before any attempt is made to enter or carry out the safety lamp tests.

5. During the period that the compartment is open for ventilating prior to its being proved free from dangerous gases the entrance is to be roped and a notice posted to the effect that no man is to enter the compartment and that naked lights are not to be taken within 20 feet of the opening. A responsible sailor is to be stationed at the opening to prevent anyone entering the compartment or the use of naked lights. The notice is not to be removed until the officer in charge is satisfied that the compartment is safe to enter, and gives a direct order to remove the notice. A responsible sailor is to remain stationed at the opening to a confined space whenever men are working inside.

**Lifelines and Communication**

6. No man is to enter a compartment which is not known to be free from dangerous gas without a lifeline securely attached to his person. After certification that the compartment is free from dangerous gases, the first man entering the compartment is to do so with a lifeline attached, which is to be worn for at least five minutes after his entering and no other man is to enter the compartment until this time has elapsed.

7. Communication is always to be kept up between the men in the compartment and those who have access to the outer air.

## ANNEX A—continued

**Breathing Apparatus**

8. 4320-99-431-7241 MASK, DISTANCE BREATHING (Old Smoke Mask) is always to be available at the entrance to the compartment for immediate use if required.

**Rescue**

9. If a man collapses in the compartment the sailor stationed at the opening is to call for assistance. On no account is he to enter the compartment until help has arrived. Rescue must only be attempted when wearing an 4320-99-431-7241 MASK, DISTANCE BREATHING (Old Smoke Mask) or any type of self-contained breathing apparatus. In no circumstances is rescue to be attempted without such apparatus nor when wearing a service respirator. Such action will almost certainly prove fatal to the man and to the would-be rescuer as well.

*Note:* Engineering Mechanic candidates for promotion are required to have a good knowledge of the above instructions before being considered qualified to hold a higher rank.

(177/1/204)

(Navy Order 372/72)

**327/75—Cancelled**

## Section 2 PERSONNEL

**UNCLASSIFIED**

### 328/75—Aircrew—Medical and Dental Fitness—Temporary Restrictions on Flying Due to Extraneous Physiological Reasons

1. The manning of modern aircraft calls for as perfect as possible physiological and psychological balance on the part of aircrew.

2. Apart from pathological conditions this balance may be disturbed as a result of various extraneous factors, the effects of which are scarcely perceptible and therefore, negligible for everyday activities, but are considerably increased in the case of those whose work is in the air.

3. Flight safety, therefore, requires that Medical Officers responsible for the medical supervision of aircrew should be well aware of these factors and of the appropriate preventive measures. Aircrew suffering from any physical or constitutional complaints are to report to Medical Officers without delay. Authorising officers who have reason to doubt the medical fitness of any aircrew are to seek the advice of Medical Officers.

4. The effects of flying when suffering from common head colds may be serious and far-reaching.

5. A lowering of the black-out threshold may persist for three or four days after clinical recovery from gastro-enteritis.

6. The main extraneous factors to be taken into consideration are:
- administration of certain drugs which do not require the patient to be confined to bed;
  - immunisation procedures;
  - lose of blood affecting regular and occasional donors and following dental extractions;
  - simulated ascents in pressure chambers;
  - competitive or tiring sporting activities;
  - skin diving;
  - ingestion of alcoholic beverages; and
  - watchkeeping duties.

#### Administration of Certain Drugs

7. In general, aircrew requiring drugs having a systematic reaction will be removed from flying duties. In certain instances where these drugs are absolutely indicated, they must be dispensed by, or with the knowledge of, the attending Medical Officer.

8. Aircrew should not be authorised to fly for eight hours after taking any anti-histamine drug to counteract the effects of hay fever or for other purposes.

9. Drugs of the barbiturate, amphetamine, tranquiliser and antihistamine groups, which are supplied under various trade names, can have dangerous side reactions which have been regarded as the cause of accidents.

10. Aircrew who have been prescribed any of these drugs, are to be temporarily grounded, and the Squadron Commander is to be informed that they are not to fly until passed fit by the Medical Officer.

#### Immunisation Procedures

11. It must be recognised that in particular cases of certain immunisations the following measures should be taken in the event of a reaction occurring:

- TAB-TABT-TABDT-Cholera and Anti-plague Immunisation. Suspension from flying duties until local or general reactions have disappeared.
- Yellow Fever Immunisation. Suspension from flying duties until all signs of possible general reactions have disappeared; and
- Small Pox Vaccination. Aircrew may only continue flying at the discretion of the Medical Officer.

#### Restrictions Due to Blood Donations

12. Aircrew in active flying appointments are not to donate blood except in emergencies or special circumstances, such as those involving a rare blood type.

13. Aircrew who have donated blood in an emergency or other special circumstances are not to perform flying duties within a period of 72 hours following the donation, nor engage in flights at night or above 35,000 feet, or involving aerobatic or gunnery tactics within a period of seven days following donation.

14. Following dental extractions involving prolonged and severe haemorrhage from the socket(s) similar restrictions are to be observed.

#### Training in a Decompression Chamber

- When symptoms and/or reactions occur during or after a decompression chamber exposure a suspension from flying duties will be prescribed according to the discretion of the attending Medical Officer; and
  - Serious effects will entail a period of observation in hospital.
16. No personnel are to be exposed to explosive decompression.

#### Tiring Sporting or Recreational Activities

17. Flying fitness is impaired by fatigue. Fatigue can be caused by a number of factors, not the least of which is prior exhaustion from over-excessive muscular effort.

18. Aircrews are encouraged to participate in physical fitness programs but are to be cautioned to plan these activities so that they will not affect their fitness to fly.

#### Diving

19. Any incident occurring during, or following, diving, imposes an automatic ban on flying until a medical examination has been performed.

#### Altitude Restrictions Following Service or Recreational Diving

20. After diving on compressed air or gas mixtures the following restrictions on flying are to be imposed:

- As aircrew (including SAR Diver), no flying (or low pressure chamber experience) above 600 metres within 12 hours of diving between 1-2 atmospheres absolute (0-10 metres) or within 24 hours if a pressure of 2 atmospheres absolute has been exceeded (ie, over 10 metres).
- As passenger, if the aircraft cabin is pressurised to the equivalent of 2,500 metres no flying within 2 hours of diving which does not require decompression stops, or within 24 hours of dives involving decompression stops.

21. Patients suffering from decompression sickness who need air transportation should travel, where possible, in aircraft pressurised to ground level. Where this is not possible, cabin altitude should not exceed 300 metres.

#### Restrictions Following Consumption of Alcohol

22. The incapacitating nature of the after effects of over-indulgence in alcoholic beverages is widely recognised. Also well recognised is the fact that the body takes an appreciable length of time to break down ingested alcohol.

23. Aircrew are not to undertake flying duties when under the influence of alcohol or within eight hours of the last ingestion of alcohol.

#### Watchkeeping Duties

24. In order that they may be properly rested, aircrew should not normally keep watch within eight hours of being due to undertake flying duties.

#### Dental

25. All flying personnel should undergo a very careful dental examination at least every six months, whether they know they require treatment or not, in order to minimise the risk of high altitude toothache. This complaint (aerodontalgia) may constitute a serious risk when flying modern high speed aircraft.

26. Navy Order 404/72 is hereby cancelled.

(Navy Order 404/72)

(327/53/22)

## UNCLASSIFIED

### 329/75—Naval Health Benefits Society—Annual Report for the Year Ended 30 June 1975

1. The Naval Health Benefits Society is a restricted membership, non-profit organisation, registered under the National Health Act (1953-1972) to pay medical and hospital benefits to eligible contributors. The affairs of the Society are administered by a Committee of Management appointed by the Naval Board.

#### Financial Report

2. The Balance Sheet and Revenue Statement for the year ended 30 June 1975 are at Annexes A and B respectively. The Operating Statements at Annex C show that the medical fund had a surplus of income over expenditures and the hospital fund had a deficit.

3. The medical fund surplus was \$14,861 to which was added income from investment of \$1,276. The net surplus was \$16,137 compared to \$59,052 in the previous year. The reason for the reduced operating surplus was the requirement to increase provisions for unpaid claims and allow an extra-ordinary provision for working capital to meet costs during the introduction of the Medibank agency arrangement. The overall deficit in the medical fund was reduced to \$85,959 from \$102,096 in the previous year.

4. The hospital fund showed a deficit of \$84,198 which was reduced by income from investments by \$20,140 to \$64,058. This compared with a surplus of \$23,754 in the previous year. The reason for the operating deficit was a decision to defer increases in hospital contribution rates although paying increased benefits to cover higher hospital charges. During the second half of calendar year 1974, hospital fees were increased by amounts ranging from 37 per cent to 48 per cent. The Society was forced to increase rates in December 1974 and following a second round of hospital fee increases from 1 March 1975 further increases of rates were required. The overall surplus in the hospital fund was reduced to \$86,697, from \$150,755 in the previous year.

5. The combined funds surplus is \$737 compared to \$48,659 for the previous year.

6. Administration costs for the year totalled \$73,915 compared to \$49,071 for the previous year. The cost to contributors was reduced by allowances for management of the Special Accounts and the Subsidised Health Benefits Plan to \$70,274.

7. The total of benefits paid, through all accounts and including the Australian Government subsidies, was \$1,793,277. The total of contributions paid by members was \$1,343,233.

#### Membership

8. Membership increased to 7,702, from 7,632 at the end of the previous year.

#### The Future

9. The Australian Government introduced the medical side of Medibank in all States and Territories on 1 July 1975. Under this plan all medical services listed in the Health Insurance Act attract a benefit of money, which is payable to the patient, or on his behalf, to the doctor who rendered the service. The Act in no way controls doctors fees and doctors are not required to limit their charges to the amounts specified in the Act as the approved fee for that medical service.

10. The NHBS has entered into agreement with the Health Insurance Commission to pay Medibank benefits. The Society also pays an additional benefit so that a contributor is able to recover from NHBS the whole of the approved fee.

11. From 1 October 1975 the hospital side of Medibank was operating in all States and Territories. Under Medibank treatment in the public ward of a public hospital is free of charge. This treatment is provided by a salaried hospital doctor and no costs are incurred by the patient.

12. Patients may exercise an option to be treated by their own doctor, in which case they will be admitted to either preferred accommodation in a public hospital or to a private hospital. These patients remain eligible for Medibank benefits for medical services and to a reduction of their hospital fees by \$16.00 per day. The remainder of the hospital charges must be paid by the patient. NHBS provides insurance cover for these additional costs.

13. From 1 October 1975 NHBS operates the following four tables of hospital benefits:

Public Hospital, Preferred Accommodation		Benefit per day
		\$
H4. Intermediate ward	.. .. .	20.00
H5. Private ward	.. .. .	30.00
Private Hospitals		
H7. Semi-private	.. .. .	45.00
H8. Private room	.. .. .	60.00

Notes: 1. Tables H4 and H5 benefits cover completely the cost of hospitalisation in a public hospital at the stated level of accommodation.

2. Tables H7 and H8 benefits also cover private hospital daily charges of up to \$61.00 and \$76.00 respectively. Private hospital charges vary and may be more or less than these figures in individual cases.

14. When deciding upon a level of additional insurance, contributors should note that admission to a public hospital, even as a private patient to preferred accommodation, is not always certain. Contributors should be mindful that specialist surgeons and obstetricians rarely consult the patient about the choice of hospital, but direct the patient to whichever hospital the doctor considers the most suitable. This could be an expensive private hospital or a public teaching hospital, depending upon the patient's condition. Membership of the top tables ensures against the embarrassment of suddenly being under insured when a private hospital is chosen.

15. Further information about the new benefits can be obtained by writing to the Secretary, Naval Health Benefits Society, Room 303, N Block, Victoria Barracks, Melbourne.

16. This order will be reprinted for posting on notice boards.

17. Navy Order 347/74 is hereby cancelled.

## ANNEX A

## Naval Health Benefits Society

## Balance Sheet as at 30 June 1975

	1975	1974
	\$	\$
<b>Reserve Funds</b>		
Hospital Benefits .. .. .	86,696.87	150,755
Less Medical Benefits—Deficit .. .. .	85,958.96	(102,096)
	<u>737.91</u>	<u>48,659</u>
<b>Represented by:</b>		
<b>Current Assets</b>		
Cash at Bank .. .. .	113,909.02	58,797
Interest Bearing Deposits .. .. .	26,000.00	26,000
Australian Government Reimbursements Due .. .. .	113,184.47	86,219
	<u>253,093.49</u>	<u>171,016</u>
<b>Investments (at Cost)</b>		
Commonwealth Bonds .. .. .	59,952.00	39,952
First Mortgage Loan .. .. .	45,000.00	45,000
	<u>104,952.00</u>	<u>84,952</u>
<b>Fixed Assets (at Cost)</b>		
Office Equipment .. .. .	3,933.08	3,342
Less Provision for Depreciation .. .. .	3,295.59	2,514
	<u>637.49</u>	<u>828</u>
	<u>358,682.98</u>	<u>256,796</u>
<b>Less Current Liabilities</b>		
Sundry Creditors .. .. .	1,886.72	1,450
Provision for Outstanding Claims .. .. .	317,305.19	171,725
Contributions Paid in Advance .. .. .	38,753.16	34,962
	<u>357,945.07</u>	<u>208,137</u>
<b>Net Assets</b> .. .. .	<u>737.91</u>	<u>48,659</u>

## ANNEX B

## Naval Health Benefits Society

## Revenue Statement for the Year Ended 30 June 1975

	1975	1974
	\$	\$
Contributions applicable to the year .. .. .	1,304,696.44	945,199
<b>Deduct:</b>		
Benefits .. .. .	1,303,759.63	824,002
Management Expenses .. .. .	70,273.56	46,715
	<u>1,374,033.19</u>	<u>870,717</u>
Operating Surplus (Deficit) .. .. .	(69,336.75)	74,482
Investment Income .. .. .	21,416.02	8,325
Net Surplus (Deficit) for the year .. .. .	<u>(47,920.73)</u>	<u>82,807</u>
Reserve Fund at 30 June 1974 .. .. .	48,658.64	(34,148)
Reserve Funds at 30 June 1975 .. .. .	<u>737.91</u>	<u>48,659</u>

## Auditor's Report

To the Contributors of the Naval Health Benefits Society:

We report that we have audited the books and accounts of your Society for the year ended 30 June 1975. In our opinion the accompanying Balance Sheets, Revenue Statement and Operating Statements are properly drawn up so as to give a true and fair view of the state of the Society's affairs and of the results for the year.

GOODE and TONER  
Chartered Accountants  
by E. F. TONER, Partner.

Melbourne,  
14 August 1975.

ANNEX C

Naval Health Benefits Society

Medical Fund Operating Statement for Year Ended 30 June 1975

	Ordinary Account	Special Account	SHB Account
	\$	\$	\$
Contributions payable to the Fund .. ..	612,447.08	24,708.67	..
Medical Benefits payable out of the Fund .. ..	431,990.64	43,804.30	1,229.90
Other Benefits payable out of the Fund .. ..	18,468.95	1,201.90	42.00
Increase in Provision for outstanding claims .. ..	84,829.23	..	..
Management Expenses .. ..	62,296.82	3,149.13	144.68
	<u>597,585.64</u>	<u>48,155.33</u>	<u>1,416.58</u>
		23,446.66	1,416.58
Government Refund during the year .. ..		9,600.00	1,124.40
Balance refundable by the Government .. ..		13,846.66	292.18
Operating Surplus .. ..	14,861.44		
Add Interest from Investments .. ..	1,275.90		
Overall Surplus .. ..	16,137.34		
Members Funds at 1 July 1974 .. ..	102,096.30	Deficit	
Less Surplus for year .. ..	16,137.34		
	85,958.96	Deficit	

ANNEX C—continued

Naval Health Benefits Society

Hospital Fund Operating Statement for the Year Ended 30 June 1975

	Ordinary Account	Special Account	SHB Account
	\$	\$	\$
Contributions payable to the Fund .. ..	692,249.36	12,828.47	
Hospital Benefits payable out of the Fund .. ..	766,449.51	88,187.00	5,813.50
Nursing Home Benefits payable out of the Fund .. ..	2,021.30	2,684.00	
Management Expenses .. ..	7,976.74	413.13	382.77
	<u>776,447.55</u>	<u>91,284.13</u>	
		78,455.66	6,196.27
Government Refund during the year .. ..		29,800.00	5,685.31
Balance Refundable by the Government .. ..		48,655.66	510.96
Operating Deficit .. ..	84,198.19		
Less Interest from Investments .. ..	20,140.12		
Overall Deficit .. ..	64,058.07		
Members Funds at 1 July 1974 .. ..	150,754.94		
Less Deficit for year .. ..	64,058.07		
	86,696.87		

(271/51/10)

(Navy Order 347/74)

## UNCLASSIFIED

## 330/75—Travelling Allowances—Members on Short Term Duty Overseas

1. Various rates of Short Term Duty Travelling Allowance notified *vide* Navy Order 243/75 have been revised.

2. These varied rates together with existing rates payable in other countries have been consolidated in the following tables.

TABLE A

Country	Effective Date of Variation	Currency of Payment	Rates of Payment per Day	
			Capt. or Relative Rank, Officers of Lower Rank and Sailors	Cdre and Above
Arab Republic of Egypt	17.6.75	LE	25.900	27.020
Argentina	23.10.74	\$A	27.00	33.00
Austria	21.11.73	Schillings	840	970
Bahrain	19.5.74	B Dinars	24.000	25.000
Bangladesh—				
Dacca	29.5.75	Takas	480	490
Elsewhere—See Table B				
Belgium	22.8.75	B Francs	2180	2260
Brazil—				
Brasilia	23.10.74	\$A	28	35
Sao Paulo	23.10.74	\$A	31	35
Elsewhere	23.10.74	\$A	25	32
Britain(a)	22.8.75	\$Stg	19.50	29.00
British Solomon Islands Protectorate	3.3.75	\$A	29	33
Burma	7.8.74	Kyats	130	140
Chile	5.11.74	\$A	30.00	33.00
Denmark	27.6.75	D Kr	360	420
Fiji	25.9.75	\$F	32.00	34.50
Finland	18.11.74	F Marks	164	200
France	17.10.75	Francs	320	395
Hermany, Federal Republic of	14.6.74	D Marks	135	150
Ghana	20.8.74	New Cedis	43.50	45.50
Greece	3.7.74	Drachmae	1015	1345
India—				
New Delhi	29.5.75	Rupees	270	315
Bombay	29.5.75	Rupees	290	300
Calcutta	29.5.75	Rupees	250	285
Elsewhere—See Table B				
Indonesia	29.11.74	Rupiahs	19690	21760
Iran	28.5.75	Rials	3200	3600
Iraq	10.9.75	I Dinars	14.000	15.000
Ireland	25.8.75	£ Irish	16.05	22.15
Israel	19.5.74	IL	180	214
Italy	14.3.75	Lire	31000	41400
Jordan	5.6.75	J Dinars	14.900	16.500
Kenya	20.8.74	Schillings	240	255
Korea, Republic of	6.8.75	Won	22860	26620
Kuwait	19.5.74	K Dinars	16.750	17.650
Laos	7.8.74	Kip	19.500	20.400
Lebanon	13.5.74	IL	115	135

TABLE A—continued

Country	Effective Date of Variation	Currency of Payment	Rates of Payment per Day	
			Capt. or Relative Rank, Officers of Lower Rank and Sailors	Cdre and Above
Malaysia	{ 11.7.74	\$M	70	80
	{ 3.12.74	\$M	81	91
Malta	3.7.74	£M	9.35	12.40
Mauritius	8.7.75	Rupees	200	226
Mexico	12.5.75	Pesos	635	730
Nauru	16.1.74	\$A	23	25
Netherlands	13.6.75	N Florins	126	155
New Zealand(a)	29.9.75	\$NZ	27.50	34.50
Nigeria	19.8.74	Naira	28.00	32.00
Norway	18.2.75	Kroner	300	350
Pakistan—				
Islamabad/Rawalpindi and Lahore	31.10.73	Rupees	250	270
Karachi	31.10.73	Rupees	340	390
Elsewhere—See Table B				
Papua New Guinea—				
Port Moresby	5.3.75	\$A	31.00	36.00
Lae	5.3.75	\$A	31.50	33.00
Goroka	5.3.75	\$A	27.00	29.00
Mount Hagen	5.3.75	\$A	27.00	29.00
Majang	5.3.75	\$A	30.00	32.50
Wewak	5.3.75	\$A	30.00	32.00
Rabaul	5.3.75	\$A	32.00	34.00
Peru	23.10.74	Soles	1720	1800
Philippines(a)	6.5.74	Pesos	250	275
Poland—				
(c) (d)	25.10.74	Zloties	1050	1220
(c) (f)	30.7.75	Zloties	930	1085
Portugal	1.5.74	Escudos	880	1130
Saudi Arabia	11.6.74	S Riyals	258	274
Singapore	{ 14.8.74	\$S	85	105
	{ 3.12.74	\$S	92	110
South Africa	20.8.74	Rand	24.00	28.50
Sri Lanka—				
Colombo	14.2.75	\$A	23.50	24.50
Elsewhere—See Table B				
Spain	11.9.75	Pesetas	1890	2200
Sweden	4.3.75	Kronar	221	288
Switzerland	11.8.75	Sw Francs	135	178
Tanzania	19.8.74	T Shillings	250	260
Thailand	7.8.74	Baht	600	700
Trinidad and Tobago	12.5.75	\$T.T.	94	114
Turkey	19.5.74	T Lira	465	495
Uruguay	23.10.74	\$A	28.00	35.00
Venezuela	13.6.74	Bolivares	210	240
Vietnam, Republic of	{ 28.11.74	\$VN	17800	18990
	{ 25.6.74	Piastres	15760	16400
Yugoslavia	16.5.75	New Dinar	460	535

TABLE B

Country	Effective Date of Variation	Currency of Payment	Rates of Payment per Day	
			Capt. or Relative Rank, Officers of Lower Rank and Sailors	Cdre and Above
Algeria .. .. .	19.8.74	A Dinars ..	100	110
Bangladesh—Elsewhere .. .. .	29.5.75	Takas ..	150	160
Canada .. .. .	18.5.75	\$CAN ..	26.00	28.00
Caribbean Area(b) .. .. .	21.2.74	\$A ..	15.00	17.00
China, People's Republic of .. .. .	31.1.74	Yuan ..	14	15
Hong Kong .. .. .	2.7.73	\$HK ..	87	100
Germany, Democratic Republic of .. .. .	19.2.75	DM ..	64	69
India—Elsewhere .. .. .	29.5.75	Rupees ..	85	90
Jamaica .. .. .	12.5.75	\$J ..	21	24
Japan .. .. .	6.8.75	Yen ..	10509	11400
New Caledonia .. .. .	6.6.75	CFP Francs ..	2400	2600
Pakistan—Elsewhere .. .. .	31.10.73	Rupees ..	83	91
Papua New Guinea—Other centres .. .. .	5.3.75	\$A ..	14.00	15.50
Sri Lanka—Elsewhere .. .. .	14.2.75	\$A ..	5.00	5.50
Union of Soviet Socialist Republics .. .. .	27.6.75	Roubles ..	24	29
United States of America(a) .. .. .	21.8.75	\$US ..	25.00	27.00
Vietnam, Democratic Republic of .. .. .	24.2.75	Dong ..	32	36

TABLE C

Country	Effective Date of Variation	Currency of Payment	Rates of Payment per Day	
			Capt. or Relative Rank, Officers of Lower Rank and Sailors	Cdre and Above
Khmer Republic .. .. .	7.8.74	\$A ..	3.00	3.50
Papua New Guinea .. .. .	28.4.75	\$A ..	4.00	4.50
Other Countries .. .. .	17.1.75	\$A ..	4.50	5.50

Notes: (a) Attention is drawn to the special provisions relating to leaders of delegations and officers accompanying ministers.

(b) Caribbean Area is defined as those islands which border the Caribbean Sea except Trinidad and Tobago, French West Indies, Netherlands Antilles, Jamaica, Haiti and Cuba. Caribbean Area Travelling Allowance also excludes members on long term posting at Trinidad and Tobago.

(c) If tourist rate of exchange is obtained, this rate must be used in calculating Travelling Allowance.

(d) These rates are to be used for members on short term missions to Warsaw for up to twenty-eight days term mission until the rates for such members are varied.

(e) This rate applies to those members accorded the 25 per cent discount on accommodation.

(f) These rates are to be used for members on short term missions to Poland and not issued with Foreign Ministry ID cards, where the period of stay exceeds twenty-eight days, and in lieu of the rate specified for members on long or intermediate term duty in Poland.

3. Conditions of payment are contained in NPI 1705-6.

4. Navy Order 243/75 is hereby cancelled.

(252/4/264)

(Navy Order 243/75)

## UNCLASSIFIED

## 331/75—Travelling Allowances—Members on Long and Intermediate Term Duty Overseas

1. The rates of Long and Intermediate Term Duty Travelling Allowance promulgated in Navy Order 259/74, as subsequently amended, have been varied. The varied rates, together with existing rates, have been consolidated in the following tables.

TABLE A

Country	Effective Date of Variation	Currency of Payment	Rates of Payment per Day	
			Capt. or Relative Rank, Officers of Lower Rank and Sailors	Cdre and Above
Arab Republic of Egypt .. .. .	19.5.74	LE ..	9.000	10.400
Argentina .. .. .	23.10.74	\$A ..	18.00	21.00
Austria .. .. .	21.11.73	Schillings ..	550	630
Bangladesh(d)— Dacca .. .. .	29.5.75	Takas ..	450	460
Elsewhere—See Table B				
Brazil— Brazilia .. .. .	23.10.74	\$A ..	26.00	33.00
Sao Paulo .. .. .	23.10.74	\$A ..	29.00	33.00
Elsewhere .. .. .	23.10.74	\$A ..	23.00	31.00
Denmark .. .. .	27.6.75	D. Kroners ..	255	295
Greece .. .. .	3.7.74	Drachmae ..	790	810
India— New Delhi .. .. .	29.5.75	Rupees ..	245	285
Bombay .. .. .	29.5.75	Rupees ..	270	280
Calcutta .. .. .	29.5.75	Rupees ..	235	260
Elsewhere—See Table B				
Indonesia— Jakarta .. .. .	29.11.74	Rupiahs ..	16060	18610
Elsewhere—See Table B				
Iran— Abadan and Isfahan .. .. .	19.5.74	Rials ..	1880	1960
Elsewhere .. .. .	19.5.74	Rials ..	1650	1730
Israel .. .. .	19.5.74	IL ..	118	135

TABLE A—continued

Country	Effective Date of Variation	Currency of Payment	Rates of Payment per Day	
			Capt. or Relative Rank, Officers of Lower Rank and Sailors	Cdre and Above
Laos—				
Vientiane .. .. .	7.8.74	Kip ..	17900	18600
Luang Prabang .. ..	7.8.74	Kip ..	16000	16500
Elsewhere .. .. .	7.8.74	Kip ..	7000	7500
Lebanon .. .. .	13.5.74	LL ..	52	57
Malaysia—				
Kuala Lumpur and Penang ..	3.12.74	\$M ..	69	78
Elsewhere—See Table B				
Malta .. .. .	3.7.74	\$M ..	8.35	11.28
Mauritius .. .. .	8.7.75	Rupees ..	191	218
Pakistan—				
Islamabad, Rawalpindi and Lahore ..	31.10.73	Rupees ..	235	250
Karachi .. .. .	31.10.73	Rupees ..	315	365
Elsewhere—See Table B				
Peru .. .. .	25.9.72	Soles ..	780	860
Poland .. .. .	25.10.74	Zloties ..	660	700
Saudi Arabia .. .. .	11.8.75	S. Riyals ..	229	242
Singapore .. .. .	3.12.74	\$S ..	74	82
South Africa(b) .. .. .	20.8.74	Rand ..	21.50	26.00
Sri Lanka—				
Colombo .. .. .	14.2.75	\$A ..	22.00	22.50
Elsewhere(c)—See Table B				
Switzerland .. .. .	3.7.74	Sw Francs ..	119	147
Trinidad and Tobago .. .. .	12.5.75	\$T.T. ..	82	102
Turkey—				
Ankara, Bursa, Istanbul, Izmir ..	19.5.74	T. Lira ..	380	455
Elsewhere .. .. .	1.11.72	T. Lira ..	280	320
Venezuela .. .. .	13.6.74	Bolivares ..	185	215
Vietnam, Republic of .. .. .	25.6.74	Piastres ..	10460	12000
	28.11.74	\$UN ..	11010	12550

TABLE B

Country	Effective Date of Variation	Currency of Payment	Rates of Payment per Day	
			Capt. or Relative Rank, Officers of Lower Rank and Sailors	Cdre and Above
Algeria .. .. .	19.8.74	A. Dinars ..	86	89
Bangladesh(d)—Elsewhere .. .. .	29.5.75	Takas ..	120	125
Belgium .. .. .	22.8.75	B. Francs ..	640	740
Britain .. .. .	22.8.75	\$ Stg ..	7.10	8.70
Burma .. .. .	7.8.74	Kyats ..	45	55
Canada .. .. .	12.5.75	\$ Can ..	20.00	22.00
Caribbean Area(e) .. .. .	21.2.74	\$A ..	13.50	15.00
Chile .. .. .	5.11.74	\$A ..	13.00	15.00
China, People's Republic of .. .. .	31.1.74	Yuan ..	12	12.50

TABLE B—continued

Country	Effective Date of Variation	Currency of Payment	Rates of Payment per Day	
			Capt. or Relative Rank, Officers of Lower Rank and Sailors	Cdre and Above
Denmark .. .. .	8.3.75	D. Kroner ..	100	120
Fiji .. .. .	29.5.75	\$F ..	10.00	12.00
Finland .. .. .	30.11.73	F. Marks ..	50	60
France .. .. .	17.10.75	Francs ..	97	102
Germany .. .. .	19.2.75	D. Marks ..	54	59
Ghana .. .. .	20.8.74	New Cedis ..	14.00	15.50
India—Elsewhere .. .. .	31.10.73	Rupees ..	70	80
Indonesia—Elsewhere .. .. .	29.11.74	Rupiahs ..	7000	8030
Ireland .. .. .	25.8.75	£ Irish ..	5.35	6.30
Italy .. .. .	14.3.75	Lire ..	14500	15500
Jamaica .. .. .	12.5.75	\$J ..	17.00	20.00
Japan .. .. .	6.8.75	Yen ..	7750	8450
Kenya .. .. .	20.8.74	Shillings ..	80	90
Korea, Republic of .. .. .	12.8.75	Won ..	8640	10160
	11.7.74	\$M ..	30	38
Malaysia—Elsewhere .. .. .	3.12.74	\$M ..	33	39
Malta .. .. .	1.8.72	£M ..	3.15	4.15
Mexico .. .. .	12.5.75	Pesos ..	195	220
Netherlands .. .. .	13.6.75	N. Florins ..	50	60
New Caledonia .. .. .	6.6.75	CFP Francs ..	1600	1800
New Zealand .. .. .	29.9.75	\$NZ ..	10.50	13.00
Nigeria .. .. .	19.8.74	Naira ..	8.75	10.00
Norway .. .. .	18.2.75	Kroner ..	103	123
Pakistan—Elsewhere .. .. .	31.10.73	Rupees ..	65	75
Peru .. .. .	23.10.74	Soles ..	588	640
Philippines .. .. .	10.4.75	Pesos ..	71	77
Portugal .. .. .	1.5.74	Escudos ..	350	460
Spain .. .. .	11.9.75	Pesetas ..	870	970
Sri Lanka(c)—Elsewhere .. .. .	14.2.75	Rs. ..	66.00	76.00
Sweden .. .. .	4.3.75	Kronar ..	88	100
Switzerland .. .. .	11.8.75	Sw Francs ..	121	162
Tanzania(a) .. .. .	19.8.74	T. Shillings ..	63	71
Thailand .. .. .	7.8.74	Baht ..	195	210
Union of Soviet Socialist Republics .. .. .	27.6.75	Roubles ..	20	22
United States of America .. .. .	21.8.75	\$US ..	20.50	22.00
Yugoslavia .. .. .	16.5.75	New Dinar ..	160	200

TABLE C

Country	Effective Date of Variation	Currency of Payment	Rates of Payment per Day	
			Capt. or Relative Rank, Officers of Lower Rank and Sailors	Cdre and Above
Khmer Republic .. .. .	7.8.74	\$A ..	2.00	2.50
Korea, Republic of .. .. .	10.4.75	Won ..	7.70	8.50
Vietnam, Democratic Republic of .. .. .	24.2.75	Dong ..	4	6
Other Countries .. .. .	17.1.75	\$A ..	3.00	3.50



Notes: (a) Members staying at Government rest houses or catering houses in Tanzania will be paid at the rate of cost of accommodation and meals plus T. Shillings .10 per day.

(b) These rates also apply to travel within the territories of Botswana, Lesotho and Swaziland.

(c) Members on short term mission who are on 'within country' rates are to receive the \$A equivalent converted at the tourist rate of exchange.

(d) Members should arrange accommodation bookings through the respective posts wherever possible.

(e) Caribbean Area is defined as those islands which border the Caribbean Sea except Trinidad and Tobago, French West Indies, Netherlands Antilles, Haiti and Cuba. Also applies to members on long term postings to Trinidad and Tobago.

3. Conditions of payment are contained in NPI 1767.

4. Navy Orders 259/74 and 87/75, their contents having been consolidated above, are hereby cancelled.

(252/4/177)

(Navy Orders 259/74 and 87/75)

### Section 3

## OPERATIONAL AND TRAINING

UNCLASSIFIED

### 332/75—Radiological Survey

1. Attached at Annex A is a copy of SEASTAG 2112 which gives details of a SEATO agreement concerning radiological surveying.

2. SEASTAG 2112 was implemented on 1 January 1970.

3. Navy Order 439/72 is hereby cancelled.

#### ANNEX A

#### SEASTAG No 2112

#### Details of Agreement

#### Radiological Survey

Appendix 1—Example of Radiological Survey Briefing and Report Form (Ground).

Appendix 2—Example of Radiological Survey Briefing and Report Form (Air).

#### Agreement

1. It is agreed that the SEATO Armed Forces will use the:

a. Terms associated with radiological survey defined below.

b. Procedures prescribed herein for the:

- (1) details required to be included in requests for radiological survey; and
- (2) essential information which should be obtained and recorded by the survey party.

#### ANNEX A—continued

#### Definitions

2. The following terms used in connection with radiological survey are defined as follows:

- a. *Survey Party*. The party which carries out a radiological survey. It will normally consist of a team of two, one a monitor and the other a driver, pilot or wireless operator.
- b. *Survey Meter*. A portable radiac instrument used to detect and measure radiation dose rates.
- c. *Isodose-Rate Line*. (Dose rate contour line.) A line on a map, diagram or overlay joining all points at which the radiation dose rate at a given time is the same.
- d. *Vehicle Shielding Factor*. The factor by which the dose rate inside a vehicle or aircraft must be multiplied to obtain the dose rate outside. The factor is the ratio of the unshielded dose rate to the shielded dose rate. Shielding factors are published for some vehicles or aircraft; for others the factor must be determined.
- e. *Air Ground Correlation Factor (AGCF)*. The factor by which it is necessary to multiply the dose rate reading (corrected by the shielding factor if necessary) recorded in an aircraft to obtain an equivalent reading at one metre above ground level.

#### General

3. Radiological surveys are instituted only when it is essential for operational purposes to determine the radiological hazard in areas of military interest. They will be required to provide essential radiological information which cannot be supplied from monitoring reports made by troops.

4. In this SEASTAG no attempt will be made to standardise or direct a format to be used for collection and recording of information. Example formats are included for information.

5. Surveys may be carried out in vehicles, aircraft, boats, small sea-going or auxiliary ships, or on foot, depending on the size of the area to be covered, and its nature, time available and the type of information required. When suitable equipment has been developed, drones may also be used for this purpose. Survey parties will record the actual dose rate readings as shown on their instruments and in some cases this data will be transmitted by wireless to their controlling headquarters. In order to reduce errors in the subsequent evaluation of the survey data and to simplify their task, the survey parties will not apply corrections to the dose rate readings recorded. They may be required to obtain the data to enable these corrections to be applied.

#### Briefing Orders for Radiological Survey Parties

6. The briefing of the survey party will be given by the staff of the formation or unit concerned. It will cover the following points:

- a. *The Aim of the Survey*. This will be to determine the presence and level of activity of fallout or induced activity near ground zero, in a specified area, along a route, or at a specified location.
- b. *Start Time and Completion Time*. The times during which the survey is to be conducted.
- c. *Instructions on the Conduct of the Survey*.

- (1) In the case of ground surveys, the locations at which readings are required, the route to be followed and the spacing of the readings will be indicated.

## ANNEX A—continued

- (2) In the case of aerial surveys, the flight altitude, expressed as a height above mean sea level or ground level, will be indicated. In certain cases the choice of locations at which the readings will be made will be left to the initiative of the aircraft commander.
- (3) In the case of maritime surveys, the route to be followed and the locations at which readings are required will be indicated unless these are to be left to the discretion of the Commanding Officer of the ship.
- (4) The data may be summarised in the form of an overlay or marked map.
- d. *Safety Precautions Concerning Nuclear Radiation Exposure.*
- (1) The maximum amount of nuclear radiation to which the survey party may be exposed during a given period of time or survey mission.
- (2) The maximum measured dose rate beyond which the survey party will not proceed in order to avoid undue exposure hazard.
- e. *Recording Limitations.* The minimum dose rate below which no record is to be made.
- f. *Method of Communication.* The method by which the survey data is to be communicated to the agency: either at the time of recording, or in the form of a recapitulatory table or record together with the destination to which the uncorrected results are to be sent for handling.
- g. *Special Instructions.* Any special instructions on the conduct of the survey which may include:
- (1) Instructions concerning the method in which certain dose rate readings are made, which depart from normal procedures (eg, the determination of correlation factors). In the case of the 'sweeping method', in addition to the flying altitude, the course and spacing of legs, and the time interval between readings on the various legs must also be indicated.
- (2) Instructions whether and where marking of contaminated areas is required.

**Radiological Survey Reports**

7. Examples of forms which might be used for recording the results of ground and aerial surveys are attached as Appendixes 1 and 2 respectively.

**Corrections on Radiological Survey Reports**

8. Corrections to survey data will be applied at the Nuclear, Biological and Chemical (NBC) Collection Centre, NBC Control Centre or formation or unit ordering the survey. The corrections will include the following:

- a. Conversions of the dose rate to that existing at a reference hour (H + 1 hour for all readings taken between H + 1 hour and H + 48 hours and H + 48 hours for all readings taken after H + 48 hours).
- b. A correction (vehicle shielding factor) to allow for the shielding effect of the vehicle or aircraft used in the survey.
- c. An air ground correlation factor to be applied to aerial survey data to obtain the dose rate at one metre above ground level.

9. When survey data is obtained from an area covered by several overlapping fallout depositions or where the time of burst is unknown, then the normal procedures for conversion of dose rate readings to a reference time (Paragraph 8. a. above) will not apply. In order to predict the behaviour of the radiation dose rate in these areas a further series of readings will be necessary.

## ANNEX A—continued

10. Survey data which has been corrected and converted to a reference time will be plotted on a map in the form of isodose-rate lines if sufficient information is available, otherwise as dose rate levels at points of particular interest.

11. Navy Order 439/72 is hereby cancelled.

## APPENDIX 1

## Example of Radiological Survey Briefing and Report Form (Ground)

a. Date	b. Map	c. Survey to be completed by: ..... hours	d. Vehicle Type  Shielding Factor (if applicable)		
e. Special Instructions					
f. Survey Party Number	g. Name	h. Rank	j. Unit		
k. Serial	l. Place	m. Dose Rate (rad/hr)	n. Time	o. Remarks	p. Reserved for Collection Centre Use

Note: Column p. is provided to allow the Collection Centre to insert corrected dose rates where applicable.

ANNEX A—continued

APPENDIX 2

Example of Radiological Survey Briefing and Report Form (Air)

a. Date		b. Map		c. Survey to be Completed by: .....hours		d. Aircraft Type  Shielding Factor (if applicable)	
e. Ground Speed (where applicable)				f. Special Instructions			
g. Time Interval between readings (secs) (if applicable)		h. Nominal Altitude (above MSL) or height .....ft		j. Altimeter Radio/Barometric* Set to Zero at .....ft (above MSL) * Delete as applicable		k. Name  l. Rank  m. Unit	
n. Serial	o. Course Leg/Point	p. Dose Rate (rad/hr)	q. Time	r. Remarks	s. Reserved for Collection Centre Use		

Note: Column s. is provided to allow the Collection Centre to insert corrected dose rates where applicable.

(1600/202/166)

(Navy Order 439/72)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

333/75—Victualling Allowances and Fixed Issuing Prices for Provisions as from 1 October 1975

- The price list for fresh fruit and vegetables which has operated from 1 July 1975 has been amended from 1 October 1975.
- Copies of the revised price list have been distributed to all HMA Ships and Establishments.
- Consequent upon the revision of the prices, the following rates of Victualling Allowance will apply as from 1 October 1975:

	Ashore \$	Afloat \$
Messes of 50 or less victualled from a separate galley ..	1.10	1.13
All other messes of 300 or less messed separately ..	1.08	1.11
Messes of more than 300 .. .. .	1.06	1.09
Additional for ships and submarines deployed with ANZUK Force .. .. .	—	0.04
Supplementary allowance for 'Modified Cafeteria' messing in HMAS DIAMANTINA .. .. .	—	0.01
HMAS COONAWARRA .. .. .	1.12	—
Cadet Midshipmen at RANC .. .. .	1.18	*
Junior Recruits at Training Establishments .. .. .		
Apprentices at RANATE .. .. .		
Naval Reserve Cadets attending Camps and Courses ..		

\* The allowance of \$1.18 per day for Cadet Midshipmen, Junior Recruits, Apprentices and Naval Reserve Cadets is increased to \$1.21 per day when victualled on board ships undergoing training and when messed separately.

4. Navy Order 258/75 is hereby canceled.

(901/66/22)

(Navy Order 258/75)

UNCLASSIFIED

334/75—Victualling Stores—Boots, Patrol, Rubber and Canvas (UK Pattern) and Boots, Jungle, Amalgamation of Stocks

1. Stocks of Patrol Boots, Rubber and Canvas (UK Pattern) and Jungle Boots, have been amalgamated under the following stock numbers and descriptions:

Class	Catalogue Number	Description	UI	CL
8430	66-073-0642	BOOTS, PATROL, RUBBER AND CANVAS, SIZE 5	PR	P
8430	66-073-0643	BOOTS, PATROL, RUBBER AND CANVAS, SIZE 6	PR	P

Class	Catalogue Number	Description	UI	CL
8430	66-073-0644	BOOTS, PATROL, RUBBER AND CANVAS, SIZE 7	PR	P
8430	66-073-0654	BOOTS, PATROL, RUBBER AND CANVAS, SIZE 8	PR	P
8430	66-073-0646	BOOTS, PATROL, RUBBER AND CANVAS, SIZE 9	PR	P
8430	66-073-0647	BOOTS, PATROL, RUBBER AND CANVAS, SIZE 10	PR	P
8430	66-073-0648	BOOTS, PATROL, RUBBER AND CANVAS, SIZE 11	PR	P
8430	66-073-0649	BOOTS, PATROL, RUBBER AND CANVAS, SIZE 12	PR	P

2. The boots are available for loan issue to Clearance Diving and Hydrographic Branch personnel when operating in tropical and/or coral reef areas.

3. Demands should be lodged with the Superintending Victualling Store Officer, Sydney (Depot Code 0124).

(1/8430/66)

## Section 6

### ESTABLISHMENTS

#### UNCLASSIFIED

#### 335/75—Fire Precautions—Establishments

1. Attention is drawn to an occurrence which involved electrical wiring, etc, in a compartment specially provided to house a fuse board.

2. Space in the compartment was being used for unauthorised stowage of general cleaning materials and waste, and also for the stowage of a waste bag containing waste material.

3. The careless disposal of ignited smoking material contained in the collected waste is presumed to have initiated the fire.

4. The use of such space for the stowage of cleaning materials is viewed seriously and a periodic check should be made to ensure no such unauthorised stowages exist. This particularly refers to such locations as space beneath stairways which in some instances are of timber construction.

5. Directions detailing that cleaning materials, waste, etc, shall not be stowed in such compartments should appear in Standing Orders.

6. Navy Order 264/72 is hereby cancelled.

(1446/1/117)

(Navy Order 264/72)

## AMENDMENTS

### UNCLASSIFIED

#### 336/75—SAILSTRUC 70—Dental Category

1. Navy Order 152/74 is to be amended as follows:

Delete Paragraph 9. e. and insert new Paragraph 9. e.:

'9. e. RATSTRUC Leading Seaman Dental Sailors selected for the Dental Mechanic Specialisation will, on successful completion of the Dental Mechanic course, be reverted to AB Dental Mechanic and compete for promotion to higher rank under SAILSTRUC rules.'

(N302/1/129)

(Navy Order 152/74)



RESTRICTED

Historian  
Victoria Barracks

ANOs 337/75-344/75



# AUSTRALIAN NAVY ORDERS

SECTION 1—ADMINISTRATIVE AND SUPPORT  
141/75 Australian Defence Organisation Orders  
142/75 DEPMAN General Messages

SECTION 2—OPERATIONAL AND TRAINING  
143/75 Ships and Vessels (SAR) Transmissions—Use of Frequencies ACT 118

SECTION 3—EQUIPMENT, STORES AND SUPPLIES  
144/75 Ammunition—VT Fuzes (Fuzer Fuzing)—Types  
145/75 Ship Complement—List of Officers Rates

Navy Office, Canberra,  
5 December 1975.

The enclosed orders are promulgated for information, guidance and necessary action.

SECTION 4—PERSONNEL, CORRESPONDENCE, VISITS AND STATISTICS  
146/75 Commission of Promotions for LCDR

By direction of the Naval Board,

SECTION 5—MEDICAL, DENTAL AND PHARMACEUTICAL SERVICES  
147/75 Ship Complement and Associated Personnel—List of Officers Rates  
148/75 Lifting Appliances and Associated Personnel—List of Officers Rates  
149/75 Personnel—HMA Naval Establishments

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

RESTRICTED

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

32775—Australian Defence Documentation System

CONTENTS

<i>No</i>	<i>Title</i>
<b>SECTION 1—ADMINISTRATIVE AND GENERAL</b>	
337/75	Australian Defence Representation Overseas.
338/75	DEFNAV General Messages.
<b>SECTION 3—OPERATIONAL AND TRAINING</b>	
339/75	Search and Rescue (SAR) Procedures—Use of Publication ATP 10B.
<b>SECTION 4—EQUIPMENT, STORES AND SERVICING</b>	
340/75	Ammunition—VT Fuzes Practice Firings—Reports.
341/75	Small Craft—Supplies of Drinking Water.
<b>SECTION 5—BOOKS, CORRESPONDENCE, FORMS AND STATIONERY</b>	
342/75	Allowances of Publications for LCHs.
<b>AMENDMENTS</b>	
343/75	Fees Payable for Medical, Dental and Paramedical Services Rendered by Private Practitioners
344/75	Lifting Appliances and Associated Equipment Periodic Survey and Testing Requirements—HMA Naval Establishments.

Additional copies of Navy Orders may be readily obtained by:

- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 4718.

## Section 1

## ADMINISTRATIVE AND GENERAL

## UNCLASSIFIED

## 337/75—Australian Defence Representation Overseas

1. Annex A to this order gives a list of Australian Defence Representatives overseas in one-Attache posts and Naval representatives in three-Attache posts.

2. Commanding Officers of HMA ships visiting ports of a country to which an Australian Defence Representative is posted should contact the Representative direct as early as practicable informing him of ETA, logreq, etc.

## Correspondence

3. Unclassified mail addressed to the Defence Representative should be forwarded in the Department of Foreign Affairs diplomatic bag. Classified mail addressed to the Defence Representative is forwarded by the Department of Foreign Affairs diplomatic courier. Arrangements for the dispatch of mail via these channels should be made with the local Australian mission.

4. Signal communications will be made in accordance with ABR 5028 (RANCO).

5. Navy Order 28/75 is hereby cancelled.

## ANNEX A

## Australian Services Attaches and Advisers Overseas—January 1976

<i>Burma</i> .. ..	Lieutenant-Colonel J. M. Stewart, Defence Attache, Australian Embassy, 88 Strand Road, RANGOON, BURMA.
<i>India</i> .. ..	Group Captain T. C. Owen, Defence Adviser, Australian High Commission, 1/50-G Shantipath, Chanakypuri, NEW DELHI, INDIA.
<i>Indonesia</i> .. ..	Captain M. A. McK. Clarke, RAN, Naval Attache, JAKARTA, c/o Department of Foreign Affairs, CANBERRA, ACT 2600.
<i>Japan</i> .. ..	Captain P. M. Rees, Defence and Naval Attache, Australian Embassy, 1-14 Mita 2-Chome, Minato-Ku, TOKYO, JAPAN.
<i>Korea</i> .. ..	Wing Commander N. B. Williams, Defence Attache, Australian Embassy, 32-10 Songwol-dong, Sudae Moon-koo, SEOUL, KOREA.
<i>Malaysia</i> .. ..	Group Captain J. R. MacNeil, Defence Adviser, Australian High Commission, 44 Jalan Ampang, KUALA LUMPUR, MALAYSIA.
<i>New Zealand</i> .. ..	Colonel P. E. Seddon, Australian Defence Representative, Australian High Commission, ICI House, 4th Floor, Molesworth Street, WELLINGTON, NEW ZEALAND.

Postal Address: PO Box 12145, WELLINGTON, NEW ZEALAND.



## ANNEX A—continued

- Papua New Guinea* .. Captain J. A. Matthew, MBE, RAN, Australian Defence Adviser, Australian High Commission, PO Box 9129, HOHOLA, PAPUA NEW GUINEA.
- Pakistan* .. .. Colonel W. J. Slocombe, OBE, Defence Attache, Australian Embassy, National Bank Building, ISLAMABAD, PAKISTAN.
- Philippines* .. .. Colonel B. R. Adams, Defence Attache, Australian Embassy, L. and S. Building (7th Floor), 1414 Roxas Boulevard, MANILA, PHILIPPINES.
- Singapore* .. .. Captain I. H. Nicholson, RAN, Defence Adviser to the Australian High Commissioner, Singapore, Australian High Commission, Thorneycroft House, 201 Clemenceau Avenue, SINGAPORE.
- Thailand* .. .. Colonel J. R. Lenehan, Defence Attache, Australian Embassy, Anglo-Thai Building, 64 Silom Road, BANGKOK, THAILAND.
- United Kingdom* .. .. Commodore A. A. Willis, OBE, Australian Naval Representative United Kingdom and Naval Adviser to the High Commissioner, London, Australia House, The Strand, LONDON, WC2B, B4LA.
- United States of America* .. Commodore R. G. Loosly, CBE, Naval Attache, Embassy of Australia, 1601 Massachusetts Avenue, WASHINGTON, DC 20036.

(22/1/127)

(Navy Order 28/75)

## UNCLASSIFIED

## 338/75—DEFNAV General Messages

1. In accordance with Navy Order 341/74 the state of DEFNAV general messages as at 1 October is shown in Annex A to this order.
2. Navy Order 215/75 is hereby cancelled.

## ANNEX A

1. The following F messages may be withdrawn:

1975

132, 143, 144, 173, 179.

2. As at 0001Z October the following F messages were in force:

1974

178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 191, 192, 193, 194, 195, 196, 197, 198, 199, 201, 202, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 230, 231, 232, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 250, 251, 252.

## ANNEX A—continued

1975

1, 2, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 50, 51, 52, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 73, 74, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 129, 130, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 174, 175, 176, 177, 178, 180, 181, 182, 183, 184, 185, 186, 187, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204.

(77/1/14)

(Navy Order 215/75)

## Section 3

## OPERATIONAL AND TRAINING

## UNCLASSIFIED

## 339/75—Search and Rescue (SAR) Procedures—Use of Publication ATP 10B

1. The attention of Commanding Officers is drawn to the use of ATP 10B when co-operating with forces, military or civilian, in search and rescue operations.

2. Many civil SAR agencies and military forces throughout the world, including the Royal Australian Air Force, normally use the United States National SAR Manual or a derivative thereof, the ICAO Manual, for SAR operations. Although these books have a similar content to that of ATP 10B direct reference to one can only be confusing to the holder of another.

3. It is expected that an Australian National SAR Manual, which will be held by all appropriate authorities, will be published in the future, but in the meantime Commanding Officers are to be aware that there is the potential for confusion in direct reference to ATP 10B. Instructions directed to, or received from, participants in SAR operations other than RAN or allied Naval units should be detailed and special-to-purpose, making no reference to ATP 10B.

(N339/16/28)

## Section 4

## EQUIPMENT, STORES AND SERVICING

## RESTRICTED

## 340/75—Ammunition—VT Fuzes Practice Firings—Reports

1. The attention of Gunnery Officers is drawn to the importance of reports from sea whenever practice firings using VT fuzes are carried out.

2. This information is essential to correlate results from ships and compare these with proof firings and annual inspection results with a view to assessing the remaining life, re-energising and/or withdrawal of the fuzes. The required information can be supplied by completion of Form OS130 Report of VT Fuze Practice Firing.

3. It is important that shell with fuzes of the same lot number are used for each practice firing whenever possible. When it is not practicable to do so lot details and observed performance are to be reported separately, on Forms OS130. Endeavours should be made to use the same lot in any one firing run.

4. To obtain accurate results the following method of reporting is to be complied with:

- a. Ship to forward fully completed Form OS130 to RANTAU in accordance with current graded practices instructions;
- b. RANTAU on completion of DAC process amends ship's figures as necessary; and
- c. RANTAU to forward Form OS130 to Navy Office for DNOI.

5. West Head Gunnery Range is to disregard Paragraph 4 and continue to forward their reports direct to the Navy Office (for DNOI) as soon as practicable after the practice firing.

6. It is appreciated that extra recorders will be required to record results as under:

- (EB) Early Bursts
- (LB) Late Bursts
- (TTB) Target Triggered Bursts
- (SB) Surface Bursts
- (B) Blinds
- (SD) Self Destroying (applicable to USN Type Fuzes only).

7. It is emphasised that it is most important for the performance of each round fired to be observed with certainty and reported. Cameras should be used where possible. Any changes in weather conditions or types of target is to be noted on Form OS130.

8. Attention is called to CB3169 Chapter 1, Paragraphs 21 and 25-41 with particular regard to the definitions of premature and early burst.

9. The report is to be rendered in accordance with the following format on existing Form OS130 (1970). It should be noted that there are minor differences between columns 'Details of Fuzes'. Local amendment should be made to Forms OS130 (1970) until new forms are designed.

*General*

Ship	Height of Waves
Date of Practice	Visibility
Gun	General Weather Conditions
Mean Wear	Type of Target
Type of Shell	Number of Rounds Fired

*Details of Fuzes*

*Observed Results*

Nomenclature	TTBs
Lot No and Maker	EBs
Supplied by and Date of Supply	LBs
	SBs
	Self Destructs
	Blinds (surface splash)
Number of Days above 35° C	Not observed

Total

10. Confidential Navy Order 8/75 is hereby cancelled.

(Confidential Navy Order 8/75)

(N1390/4/15)

UNCLASSIFIED

341/75—Small Craft—Supplies of Drinking Water

1. The 5 gallon plastic water containers will continue to be carried on board ships and issued as necessary to ships small craft undertaking extended or recreational trips. The containers are to be filled with drinking water and stowed in the craft prior to departure on such trips.

2. The 5 gallon containers as detailed hereunder are Permanent Naval Stores and allowances in accordance with Annex A are to be demanded from the Superintending Victualling Officer, Sydney:

<i>Class</i>	<i>Catalogue No</i>	<i>Description</i>
7240	66-013-4772	CONTAINER, WATER, PLASTIC, 5 GALLON, Specification J2-1753

ANNEX A

Allowances

<i>Type of Craft</i>	<i>No of Containers</i>
40 ft Fleet Personnel Boat .. .. .	3
40 ft Fleet Utility Boat .. .. .	3
34 ft Survey Motor Boat (1962 design) .. .. .	6 <i>see note</i>
34 ft Survey Motor Boat (1970 design) .. .. .	2 <i>see note</i>
33 ft Sea Boat .. .. .	2
33 ft Fleet Utility Boat .. .. .	2
32 ft Motor Cutter .. .. .	3
28 ft Life Boat .. .. .	— <i>see note</i>
27 ft Motor Whaler .. .. .	2
26 ft Personnel Boat (USN design) .. .. .	2
26 ft Sea Boat .. .. .	2
26 ft Fleet Utility Boat .. .. .	2
26 ft Motor Whale Boat (USN design) .. .. .	2
25 ft Motor Cutter .. .. .	2
17½ ft Lightweight Utility Boat (all Variants) .. .. .	1
14 ft Aluminium Alloy Dinghy .. .. .	1
14 ft Bosun Dinghy .. .. .	1
12 ft Aluminium Alloy Dinghy .. .. .	1

Note: The following craft will continue to carry supplies of drinking water in the particular arrangements provided:

- a. Survey Motor Boats.
- b. Life Boats carried on HMAS SUPPLY.

3. Navy Order 396/72 is hereby cancelled.

(912/109/38)

(Navy Order 396/72)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

342/75—Allowances of Publications for LCHs

1. Annex A to this Navy Order details the approved allowances of publications for Landing Craft Heavy (LCH).
2. The Annex contains two allowance listings:
  - a. the mandatory allowance of publications to be carried on board LCHs; and
  - b. the minimum allowance to be held by operating and maintenance bases.
3. Publications held by LCHs in excess of allowances are to be returned to the Publications Store, Royal Edward Victualling Yard, Jones Bay Road, Pyrmont, NSW 2009, in accordance with ABR 4 Chapter 25.
4. Demands for publications to fulfil allowances are to be submitted direct to the Executive Officer Publications, Garden Island, in accordance with Navy Order 236/74 quoting this Navy Order as the authority.
5. It will be noted that some publications which may be required have not been included in the Annex. Amendments to this Navy Order will be promulgated as allowances are defined.
6. Publications held which were previously catalogued as MBRs, or not catalogued at all, and are now listed in the TEM series are to be endorsed with the new catalogue number by holders of the publications.
7. Submissions to alter allowances are to be made in accordance with Navy Order 407/74.
8. Publications are to be accounted for under the number shown in Column 1.
9. Publications followed by an asterisk will not be issued to PNGDF LCHs or support facilities.

Column 1 Publication No	Column 2 Title	Column 3 Allowance for LCH	Column 4 Operating and Maintenance Base Minimum Allowance	Column 5 Remarks
ABR 10	Promotion Instructions for Sailors in the RAN	1	1	
ABR 19	RAN Painting Manual—Pocketbook	1	1	
ABR 1920A	RAN Handbook on Ships Landing and Boarding Parties	1	1	
ABR 1971	Australian Visual Signalling and Equipment Handbook	1	1	
ABR 1977	Manual Lifesaving and Inflatable Equipment	1	1	
ABR 1991	Naval Medical and Hospital Instructions	1	1	
ABR 222	Users Guide to Wireless Equipment	1	1	
ABR 27 V2	RAN Training Manual	1	1	
ABR 27 V3	RAN Training Manual	1	1	
ABR 2924	Radio Hazards in the RAN	1	1	
ABR 337 V1*	Instructions for Physical Security in the RAN	1	1	
ABR 4*	Naval Storekeeping Manual	1	1	
ABR 408	Prayers and Hymns	1	1	
ABR 5 V1	RAN Cookery Manual Vol 1	1	1	
ABR 5 V2	RAN Cookery Manual Vol 2 Recipes	1	1	
ABR 5016 V1	Regulations and Instructions for the RAN Vol 1	1	1	
ABR 5016 V2	Regulations and Instructions for the RAN Vol 2	1	1	
ABR 5020*	Naval Pay Instructions for the RAN	1	1	
ABR 5028*	RAN Communications Orders	1	1	
ABR 5044	Manual for Use by Mobile Services	1	1	
ABR 5048	Australia Station Guide Book	1	1	
ABR 5063 V3	EDP Supply Documents and Procedures	1	1	
ABR 5078	Interdenominational Prayers and Forms of Services	1	1	
ABR 5101	Accounting Instructions for Non-Public Funds in RAN	1	1	
ABR 5103	Naval Dental Instructions	1	1	
ABR 5129	RAN Digest of Accidents and Incidents	1	1	
ABR 5151 V1	Manual of Naval Law Vol 1	1	1	
ABR 5151 V2	Manual of Naval Law Vol 2	1	1	
ABR 5168	Signal Message Writing—Subject Indicator Book	1	1	
ABR 5179	Manual of the Law of the Sea	1	1	
ABR 5180*	Australian Submarine Search and Rescue Instructions	1	1	
ABR 5204	Handbook for Radio Set AN/GRC106 Technical Description	1	1	
ABR 5205	Handbook for Radio Set AN/GRC106 Repair Instructions	1	1	

ANNEX A

ANNEX A—continued

342/75

Column 1	Column 2	Column 3	Column 4	Column 5
Publication No	Title	Allowance for LCH	Operating and Maintenance Base Minimum Allowance	Remarks
ABR 5206	Handbook for Radio Set AN/GRC106 Repair Parts Scales	1	1	These ABRs will be promulgated and issued without demand in due course. In the interim, existing publications are to be utilised.
ABR 5215	LCH User Handbook	1	1	
ABR 5216	LCH Trim and Stability Booklet	1	1	
ABR 5217	LCH Electrical and Mechanical Engineering Instructions	1	1	
ABR 5218	LCH Repair Parts Scale	1	1	
ABR 81	RAN Uniform Instructions	1	1	Not yet promulgated, will be issued without demand when available.
ABR 862	RAN Magazine and Explosive Regulations	1	1	
ABR 93	Manual of Victualling Stores	1	1	
ABR 99	Basic Australian Naval Communications Manoeuvring Instructions	1	1	
BR 1754	Regulations for Storage and Handling of Gasoline and Other Inflammable Stores	1	1	
BR 1836	Demolition Drill Book		1	Superseded by BR 338 in RN. Publication currently being vetted for RAN applicability. If approved for issue, supply will be made without demand to Base Only.
BR 1841	A Seamans Guide to the Rule of the Road	1	1	
BR 2170 V1	Ship NBCD Manual Vol 1	1	1	
BR 2170 V2	Ship NBCD Manual Vol 11	1	1	
BR 222	Users Guide to Wireless Equipment	1	1	
BR 3000	Marine Engineering Manual	1	1	
BR 3001	Marine Engineering Technical Instructions	1	1	
BR 3003 (1)	Naval Marine Engineering Practice Vol 1	1	1	
BR 3003 (2)	Naval Marine Engineering Practice Vol 2	1	1	
BR 3009	Naval Oils Manual	1	1	
BR 3011	Admiralty Shock and Vibration Mounting—Installation and Maintenance	1	1	
BR 45 V1	Admiralty Manual of Navigation Vol 1	1	1	
BR 45 V2	Admiralty Manual of Navigation Vol 2	1	1	
BR 45 V3	Admiralty Manual of Navigation Vol 3	1	1	
BR 45 V4	Admiralty Manual of Navigation Vol 4	1	1	
BR 67 VI	Manual of Seamanship Vol 1	1	1	

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BR 67 V2	Manual of Seamanship Vol 2	1	1		
BR 67 V3	Manual of Seamanship Vol 3	1	1		
BR 67 V4	Manual of Seamanship Vol 4	1	1		
BR 820	Provision of Safe Water for Drinking etc.	1	1		
BR 98	Boat's Signal Book	1	1		
MBR 8544A	Australian Supplement to Manual for use by Mobile Services	1	1		
MBR 8868	Ports of Australia	1	1		
MBR 8977	International Code of Signals	1	1		
MBR 9142	Unit Guide to the Geneva Convention	1	1		
MEL 11	Medical Equipment List No 11	1	1		
ML 122	International Medical Guide for Ships	1	1		Was MBR 8957
ML 123	Venomous Australian Animals Dangerous to Man	1	1		Was MBR 9059
ML 124	First Aid	1	1		Was MBR 9165
NS 0967-094-8010	Switchboard Transmitter Transfer SB-988/SRT T.M.	1	1		
NS 0967-166-5010	Radio Set AN/PRC-41 R.M.M.	1	1		
NS 0967-206-8010	Radio Set AN/PRC-41 T.M.	1	1		
NS 0967-985-8010	Radio Set Control C-1138B/UR T.M.	1	1		
NS 94537	Switchboard SB-973/SRR Receiver Transfer T.M.	1	1		
PE 0040 Periodical	Navy List RAN	1	1		
TEM 2010-0001	Twin Disc Model MG-514 Marine Gearbox Service Manual (SM133)	1	1		
TEM 2030-0002	Palm Beach Model 101 Steering Gear Handbook	1	1		
TEM 2040-0001	Ship's Whistle—Pistonhorn Type 56 Mk 4 Handbook	1	1		
TEM 2090-0002	Straight line Window Wipers Wynne Mk 3 Handbook	1	1		Was MBR 10021
TEM 2805-0001	20 HP Johnston Outboard Instruction Manual	1	1		Was MBR 9460
TEM 2805-0002	20 HP Johnston Outboard Workshop Manual	1	1		Was MBR 9465
TEM 2805-0003	20 HP Johnston Outboard Parts List	1	1		
TEM 2815-0007	Detroit Diesel In Line 71 Operators Manual	1	1		Was MBR 10063
TEM 2815-0008	PAL System Engine and Transmission for Detroit Diesels (Microfiche)	1	1		
TEM 2815-0010	Detroit Diesel V-71 Maintenance Manual	1	1		Was MBR 9469
TEM 2815-0011	Detroit Diesel V-71 Operators Manual	1	1		Was MBR 9314
TEM 2815-0012	Detroit Diesel In Line 71 Service Manual	1	1		Was MBR 9728
TEM 4120-0001	Hall-Thermotank Air Conditioning Equipment LCH Handbook	1	1		
TEM 4130-0002	Copeland Refrigeration Compressor NRN 2-0310-TFD Handbook	1	1		Was MBR 10778
TEM 4240-0001	Draeger Normalair A100 Compressed Air Breathing Set	1	1		
TEM 4320-0005	Lister Model 20R71 Portable Pump I.B. and P.L.	1	1		
TEM 4320-0006	Instructions for Maintenance, Installation, Operation and Parts for Worthington Pump Types DMA4 Type 4, etc.: LCHs	1	1		
TEM 4440-0001	Evaporator CUNO Aquafresh Model HJ10 Manual	1	1		Was MBR 10797
TEM 4930-0001	Alfa Laval Separator MAB102B.25 Instruction Manual	1	1	Was MBR 10242	
TEM 5820-0003	EMEI F572 Receiver-Transmitter Radio RT-F1/PRC Technical Description	1	1	Was MBR 9082	
TEM 5820-0004	Repair Parts Scale for Radio Set PRC.FI, GRC.FI	1	1	Was MBR 9155	

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342/75

ANNEX A—continued

Column 1 Publication No	Column 2 Title	Column 3 Allowance for LCH	Column 4 Operating and Maintenance Base Minimum Allowance	Column 5 Remarks
TEM 5820-0007	EMEI F573 Radio Set PRC-F1 Unit Repair ..	1	1	Was MBR 9083
TEM 5820-0008	EMEI F574-1 Radio Set PRC-F1 Field Repair ..	1	1	Was MBR 9084
TEM 5820-0009	EMEI G502 Radio Set AN/PRC-41 Technical Description ..	1	1	
TEM 5820-0010	EMEI H502 Receiver-Transmitter Radio RT-524/VRC Technical Description ..	1	1	
TEM 5820-0011	EMEI H504 Receiver-Transmitter Radio RT-524 Field and Base Repair ..	1	1	
TEM 5820-0012	EMEI K564 Regulator Battery Charger FI (PRC-F, GRC-F2 Use) Field and Base Repair ..	1	1	Was MBR 9094
TEM 5820-0013	EMEI K572 Power Supply PP-F1 (GRC-F2 Use) Technical Description ..	1	1	Was MBR 9087
TEM 5820-0014	EMEI K574 Power Supply PP-F1 (GRC-F2 Use) Field and Base Repair ..	1	1	Was MBR 9089
TEM 5830-0001	AWA Public Address System—Amplifier 66198 H/Bk PA System 64981-340 H/Bk ..	1	1	
TEM 5840-0001	Decca S101 Radar—User Handbook ..	1	1	Was MBR 10771
TEM 5845-0002	Handbook for Ferrograph Offshore Echo Sounder ..	1	1	Was MBR 8854
TEM 6110-0001	Delco Regulators Type H60000 and H64000 Service Manual ..	1	1	Was MBR 10795
TEM 6110-0002	Delco Regulators Type H60000 Series Service Manual ..	1	1	Was MBR 10796
TEM 6115-0001	Delco Generators AC Brushless Type DG5 Service Manual ..	1	1	
TEM 6320-0002	Kiddel Fire Warning System SFB (68) UDC Handbook ..	1	1	
TEM 6320-0003	Minerva Fire Detection Panel D8340/1 Handbook ..	1	1	
TEM 6605-0003	Arma Brown Gyro Compass Mk 1C (EQ4759) Technical Handbook ..	1	1	Was MBR 10740
TM 11-5820-467-15	Operator, Organisational, Field and Depot Maintenance Manual Antenna Group AN/GRA-50 ..	1	1	
TM 11-5820-520-12	Operator and Organisational Maintenance Manual: Radio Sets AN/GRC-106 and AN/GRC-106A ..	1	1	
TM 11-5820-667-12	Operator's and Organisational Maintenance Manual including Repair Parts List: Radio Set AN/PRC-77 ..	1	1	
7610-66-029-5013	Radio Set PRC-F1 User Handbook ..	1	1	

(Navy Orders 236/74 and 407/74)

(465/61/228)

AMENDMENTS

UNCLASSIFIED

343/75—Fees Payable for Medical, Dental and Paramedical Services Rendered by Private Practitioners

Navy Order 264/75 is to be amended as follows:

Annex A

Medical Services Performed on a Sessional Basis

Delete Paragraph 1.

Insert '1. The following designations and rates apply from 1 January 1975:

	Rate per hour All States
	\$
Senior Specialist .. .. .	24.35
Specialist .. .. .	20.80
General Practitioner .. .. .	17.40

Annex E

Delete 'Note 2'.

Annex H

Allowances Payable in Respect of Travel

Delete 'Mileage Allowance' and Paragraph 1.

Insert a new Paragraph 1 a, b, c and d:

Medical Practitioners

1. a. The following allowances apply from 1 January 1975:

	Rate per Hour	Rate per Kilometre
	\$	
Senior Specialist .. .. .	12.15	38 cents
Specialist .. .. .	10.40	32.5 cents
General Practitioner .. .. .	8.70	27.2 cents

b. Travel Time Payment is payable in respect of a loss of remunerative time incurred in travelling to a sessional engagement. It is payable in respect of the total distance travelled or the total time spent in travelling from the practitioner's normal place of business for that day, to the place where the session is conducted and return.

c. The kilometre rate should be used for travel in city and metropolitan areas, and the hourly rate should be used only for travel in country areas.

- d. Previously, the rate of mileage allowance payable to dental and paramedical practitioners for visits to private homes and non-departmental institutions was 12 cents per mile each way beyond a radius of two miles. As from 1 January 1975, this rate is to be increased to 10 cents per kilometre each way beyond a radius of three kilometres.

(327/61/53)

(Navy Order 264/75)

UNCLASSIFIED

344/75—Lifting Appliances and Associated Equipment Periodic Survey and Testing Requirements—HMA Naval Establishments

Navy Order 84/73 is to be amended as follows:

- a. To be inserted as a sub-section in Section 2 Paragraph 4:
  - Ropes (Manila/Man Made Fibres)
  - Frequency of Survey . . . Periodical and often enough to ensure that an appliance shall never be operated in an unsafe condition, but at least every six (6) months.
  - Tests . . . . . a. Routine tests are to be as laid down in the appropriate rope procurement specification, and particulars shown on tallies to be attached to each coil.
  - b. When determining the safe working load of cordage and man made fibres for lifting appliances, the factors of safety to be as for steel wire rope determined by AS CB2—1960 SAA Crane and Hoist Code. Appliance class should be verified with testing authority.

In the absence of viable or reliable procurement or manufacturers specifications the SWL should be established by sampling; testing to destruction and applying the safety factors referred to above. Details of sampling and tests are to be as BS 2052 1965 Appendix B1.

- b. Section 2 Paragraph 6:
  - Delete a. At least once per year for rope section of slings and at least once every four years for associated hooks, shackles, etc; or
  - Insert a. At least once every four (4) years for wire rope section of slings and associated hooks, shackles, etc; or

(N189/10/8)

(Navy Order 84/73)

4. Therefore, the rate of mileage allowance payable to general and particular employees for miles to private homes and non-employment quarters was 12 cents per mile with any excess a rate of 10 cents per mile. As from 1 January 1977, the rate is to be increased to 10 cents per kilometre with any excess a rate of 8 cents per kilometre.

(257/61/22)

(Wavy Order 204/73)

UNCLASSIFIED

34473—Lifting Appliances and Associated Equipment Periodic Survey and Testing Requirements—HMA Naval Establishments

Wavy Order 84/73 is to be amended as follows:

a. To be inserted as a sub-section in Section 2 Paragraph 4:

Notes (Mandatory Test Plans)

Frequency of Survey ... Periodical and often enough to ensure that all systems shall never be operated in an unsafe condition, but at least every six (6) months.

4. Routine tests are to be laid down in the appropriate test programme and the appropriate test programme shall be attached to each coil.

When determining the safe working load of cables and rope made fibre for lifting appliances the factors of safety to be used are to be determined by AS CR3-1960 SAA Crane and Hoist Code. Appliances class should be verified with testing authority.

In the absence of a reliable procedure or manufacturer's specifications the SWL should be established by using the following procedure and applying the safety factors referred to above. Details of sampling and test are to be as follows:

Section 2 Paragraph 4

At least once per year for rope sections of slings and at least once every two years for associated hoist, sheaves, etc. or

At least once every four (4) years for wire rope sections of slings and associated hoist, sheaves, etc. or

(257/61/22)

(Wavy Order 84/73)

**RESTRICTED**

**RESTRICTED**



ANO 345/75



Historian  
Victoria Barracks  
Melbourne

# AUSTRALIAN NAVY ORDER

Navy Office, Canberra,

17 December 1975

The enclosed order is promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

EQUIPMENT, STORES AND SERVICING

NOTICE

... 1975

The following is a list of alterations and additions to the equipment, stores and servicing of the Royal Australian Navy (RAN) for the period 1 July 1975 to 30 June 1976.

CONTENTS

No.	Title
<b>SECTION 4 - EQUIPMENT, STORES AND SERVICING</b>	
345/75	Alterations and Additions/Modifications (TM 188)
	Part A
	Part B
	Part C

Additional copies of Navy Orders may be readily obtained by:

- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 4718.

CONTENTS

No.	Title
	SECTION 4 - EQUIPMENT, STORES AND SERVICING
345/75	Alterations and Additions/Modifications (TM 188)

Section 4

Equipment, Stores and Servicing

RESTRICTED

345/75 ALTERATIONS AND ADDITIONS/MODIFICATIONS  
(TM 188)

1. The following is a list of Alterations and Additions/Modifications issued from Department of Defence (Navy Office) for the period 10 January 1975 to 29 August 1975.
2. Ships and establishments which have not yet received applicable instructions are to inform the Director of Fleet Maintenance (Modification Section).
3. Lists attached as Annexes are:
 

Modifications	Annex A
Alterations and Additions	Annex B
Field Changes	Annex C

SHIPS

MODIFICATION NUMBER	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLOW	TRVs	LCHs	TSG (NOWRA)	
M/AAWB/00003				X				X	X	X	X																							
M/BJSK/00001																											X	X						
AMEND 1 M/BE00/001																									X									
M/BARH/00002																											X	X	X	X				
M/CTGC/00002																																		
M/CLHF/00002																																		
M/CLHF/00001				X																														
M/C1SD/00001																										X	X	X	X					
M/CDPT/00001				X						X	X																							
AMEND 1 M/C1SD/00001																										X	X	X	X					

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SHIPS

MODIFICATION NUMBERS	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLOW	TRVs	LCHs	TSG (NOWRA)	
M/CHFL/00001				X																					X									

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SHIPS

MODIFICATION NUMBER	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIFE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLOW	TRVs	LCHs	TSG (NOWRA)		
M/DAPB/00001				X																															
M/EKLA/00001				X								X	X	X																					
M/JYA/A01					X						X	X				X	X																		
AMEND 2 M/JUA/0026	X			X						X	X				X	X																			
AMEND 1 M/JUA/023	X		X	X		X	X	X	X	X	X				X	X	X									X	X	X	X						
AMEND 1 M/JUA/015	X			X													X																		

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SHIPS

MODIFICATION NUMBER	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIFE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLOW	TRVs	LCHs	TSG (NOWRA)		
M/FAJB/00001					X																														
M/GHWC/00001		X																									X	X	X	X					
M/G1SE/00001																											X	X	X	X					
M/GH00/00003				X																											X				

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SHIPS

MODIFICATION NUMBER	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLOW	TRVs	LCHs	TSG (NOWRA)		
M/JYA/A01				X						X	X				X	X																			
AMEND 2 M/JUA/0026	X		X							X	X				X	X																			
AMEND 1 M/JUA/023	X		X	X	X	X	X	X	X	X	X				X	X	X									X	X	X	X						
AMEND 1 M/JUA/015	X		X																																
M/KFWA/00001				X																												X			
M/K1SA/00002																										X	X	X	X						
M/KDCH/00001																																			

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SHIPS

MODIFICATION NUMBER	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLOW	TRVs	LCHs	TSG (NOWRA)	
M/K4SA/00002																										X	X	X	X					

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SHIPS

AMEND 1

MODIFICATION NUMBER	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	TRVs	LCHs	TSG (NOWRA)	
M/RAHA/00081				X		X	X	X	X	X	X				X	X																		
M/RAHA/00012				X		X	X	X	X	X	X				X	X																		
M/RAHA/00053				X		X	X	X	X	X	X				X	X																		
M/RAHA/00072				X		X	X	X	X	X	X				X	X																		
M/RAHA/00101				X		X	X	X	X	X	X				X	X																		
M/RAHA/00075				X		X	X	X	X	X	X				X	X																		
M/RAHA/00081				X		X	X	X	X	X	X				/	/																		
M/RAHA/00071				X		X	X	X	X	X	X				X	X																		
M/RAHA/00070				X		X	X	X	X	X	X				X	X																		
M/RAHA/00066				X		X	X	X	X	X	X				X	X																		

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SHIPS

MODIFICATION NUMBER

MODIFICATION NUMBER	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	TRVs	LCHs	TSG (NOWRA)	
M/RAHA/00039				X		X	X	X	X	X	X				X	X																		
M/RAHA/00076				X		X	X	X	X	X	X				X	X																		
M/RAHA/00085				X		X	X	X	X	X	X				X	X																		
M/RAHA/00102				X		X	X	X	X	X	X				X	X																		
M/RAHA/00092				X		X	X	X	X	X	X				X	X																		
M/RAHA/00096				X		X	X	X	X	X	X				X	X																		

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SHIPS

MODIFICATION NUMBER	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	TRVs	LCHs	TSG (NOWRA)		
AMEND 1 M/RDMR/00029				X		X	X	X	X								X																		
M/RDMR/00020				X		X	X	X	X								X																		
M/RDMR/00036				X		X	X	X	X								X																		
AMEND 1 M/RDMR/00036				X		X	X	X	X								X																		
M/RDMR/00013				X		X	X	X	X								X																		
M/RDMR/00029				X		X	X	X	X								X																		
M/RDMR/00026				X		X	X	X	X								X																		
M/RDMR/00047				X		X	X	X	X								X																		
M/RDMR/00021				X		X	X	X	X								X																		
M/RDMR/00028				X		X	X	X	X								X																		

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SHIPS

MODIFICATION NUMBER	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	TRVs	LCHs	TSG (NOWRA)			
AMEND 1 M/RDMR/00028				X		X	X	X	X																											
M/RDMR/00030				X		X	X	X	X								X																			
M/RDMR/00033																																				
M/RDMR/00009				X		X	X	X	X								X																			
M/RDMR/00012				X		X	X	X	X																											
M/RDMR/00011				X		X	X	X	X								X																			
M/RDMR/00031				X		X	X	X	X								X																			
M/RDMR/00043				X		X	X	X	X								X																			
M/RDMR/00034				X													X																			

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SHIPS

AMEND 1

MODIFICATION NUMBER	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	TRI's	LCHs	TSG (NOWRA)		
M/RCLS/00046			X	X		X	X	X	X																										
M/RCLS/00046			X	X		X	X	X	X																										
M/RCLS/00045			X	X						X	X																								
M/RCLS/00029			X	X		X	X	X	X	X	X	X																							
M/RCLS/00028			X	X		X	X	X	X	X	X	X																							
M/RCLS/00033			X	X		X	X	X	X	X	X	X																							
M/RCLS/00041			X	X		X	X	X	X	X	X	X																							
M/RCLS/00062			X	X						X	X																								
M/RCLS/00059			X	X		X	X	X	X	X	X	X																							
M/RCLS/00055			X	X		X	X	X	X	X	X	X																							

SHIPS

MODIFICATION NUMBER	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	TRI's	LCHs	TSG (NOWRA)		
M/RDFH/00013																																			
M/RDWC/00002				X		X	X	X	X							X																			

SHIPS

MODIFICATION NUMBER	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLOW	TRVs	LCHs	TSG (NOWRA)			
	M/SHAN/00063				X	X	X	X	X	X	X	X	X																							
M/SHAN/00050				X	X	X	X	X	X	X	X	X																								
M/SHAH/00098				X	X	X	X	X	X	X	X	X			X	X																				
M/SHAX/00030				X																		X	X													
M/SEMU/00001				X	X	X	X	X	X	X	X	X			X																					
M/SLE3/00001				X																						X	X	X	X							
M/SJCA/00015	X	X	X	X	X	X	X	X	X	X	X	X			X	X																				
M/SJCA/00013	X	X	X	X	X	X	X	X	X	X	X	X			X	X																				
M/SMTP/00004				X	X	X	X	X	X	X	X	X																								
M/SMTL/00002				X																																

AMEND 1

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SHIPS

MODIFICATION NUMBER	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLOW	TRVs	LCHs	TSG (NOWRA)			
	M/S1TK/00013																										X	X	X	X						

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SHIPS

AMEND 1

MODIFICATION NUMBER	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLOW	TRV's	LCHs	TSG (NOWRA)	
M/UA8-9/055 155 2				X				X	X	X	X																							
M/UA8-9/060				X				X	X	X	X																							
M/UA8-0/058				X				X	X	X	X																							
M/UA8-0/061				X				X	X	X	X																							

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SHIPS

MODIFICATION NUMBER	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLOW	TRV's	LCHs	TSG (NOWRA)		
M/VGDP/00004			X	X															X			X	X	X	X	X	X	X	X						
M/VGDP/00001			X	X															X			X	X	X	X	X	X	X	X						
M/VPWD/00020																																			
M/VPWB/00013	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X									X	X	X	X					
M/VAUB/00001				X						X	X																								
M/VEBD/00003																																			
M/VEBD/00002																																			
M/VEBD/00001																																			

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## SHIPS

MODIFICATION NUMBER	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	TRV's	LCH's	TSG (NOWRA)		
M/XFAC/00095				X						X	X																								
M/XFAG/00095				X				X	X																										
M/XFAC/00099				X						X	X																								
M/XFAG/00099				X				X	X																										
M/XCDG/00003				X				X	X	X	X																								
M/XCDE/00002				X				X	X	X	X																								

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## SHIPS

MODIFICATION NUMBER	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	TRV's	LCH's	TSG (NOWRA)			
M/YBCF/00009				X											X																					
AMEND 1 M/YA00/00004				X				X	X																											
AMEND 1 M/YA00/00005				X				X	X																											
AMEND 1 M/YAFG/00001	X																																			
M/YDHB/00001				X																													X			
AMEND 1 M/YDHB/00001				X																												X				
M/YCEG/00001				X												X																				

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## SHIPS

MODIFICATION NUMBER	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	TRVs	LCHs	TSG (NOWRA)		
M/1MEA /00027				X			X																												
M/1MEA/00016				X			X																												
M/1ARA/00034																																			
M/1ABG/A01	X			X		X	X	X	X																										
M/1ACD/00068			X	X					X								X																		
M/1HBC/00068			X	X					X								X																		
M/1ACD/00068			X	X					X								X																		
M/1HBC/00068			X	X					X								X																		
M/1LUD/00014	X	X	X	X	X	X	X	X	X	X	X				X	X	X									X	X		X						
M/1LUD/00013				X				X																											

ISSUE 2

ISSUE 2

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## SHIPS

MODIFICATION NUMBER	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	TRVs	LCHs	TSG (NOWRA)		
M/1MBA/00002				X															X						X										
M/1MBA/00019				X															X						X										
M/1MBA/00021		X	X	X								X	X	X				X	X				X	X											
M/1MEA/00050	X			X	X	X	X	X	X										X	X															
M/1MEA/00046				X				X	X																										
M/1MEA/00052	X			X	X	X	X	X	X																										
M/1MEA/00048	X			X	X	X	X	X	X																										
M/1MEA/00032				X				X																											
M/1MEA/00034				X	X	X	X		X																										
M/1MEA/00028				X		X	X																												

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SHIPS

MODIFICATION NUMBER	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	TRVs	LCHs	TSG (NOWRA)		
M/1LUD/00011																																			
M/1LUD/00005				X				X																											
M/1LUD/00027				X						X	X				X	X																			
M/1LUD/00007				X																															
M/1LUD/00010				X				X	X																										
M/1LUD/00008				X					X																										
M/1LYA/00093				X											X	X																			
M/1LYA/00128				X	X	X	X	X	X	X	X				X	X																			
M/1LSA/00001	X			X																															
M/1TPG/00001				X						X	X				X	X																			

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SHIPS

MODIFICATION NUMBER	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	TRVs	LCHs	TSG (NOWRA)	
M/1TPG/00003	X			X						X	X				X	X																		

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SHIPS

ISSUE 2

MODIFICATION NUMBER	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLOW	TRYS	LCHs	TSG (NOWRA)		
M/7CDA/001				X								X	X	X																					
M/9GPB/00001		X	X		X	X	X	X	X	X	X	X	X	X	X	X	X																		
M/9GPB/00001		X	X		X	X	X	X	X	X	X	X	X	X	X	X	X																		

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ESTABLISHMENTS, ETC.

amend 1

AMEND 1

MODIFICATION NUMBER	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMWD	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP		
M/AAWB/00003																					X	X	X	X	X	X	X															
M/BJSK/00001																							X	X	X	X	X															
M/BE00/001																			X		X		X	X	X	X					X											
M/BARH/00002																							X	X	X	X	X															
M/CTGC/00002																						X	X	X	X	X	X															
M/CIHF/00002							X															X	X	X	X	X	X															
M/CIHF/00001							X															X	X	X	X	X	X															
M/C1SD/00001																						X	X	X	X	X	X				X											
M/CDPT/00001																						X	X	X	X	X	X															
M/C1SD/00001																						X	X	X	X	X	X				X											

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ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP		
M/CHFL/00001																					X		X		X	X											X					

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ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP					
M/DAPB/00001								X													X		X	X	X	X		X																	
M/EKLA/00001																					X		X	X	X	X	X																		
M/JYA/A01																						X		X	X	X	X		X									X							
AMEND 2 M/JUA/0026																						X		X		X	X		X									X							
AMEND 1 M/JUA/023			X																X		X	X	X	X	X	X	X		X									X							
AMEND 1 M/JUA/015																						X	X	X	X	X	X		X									X							

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ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP			
M/FAJB/00001																						X	X		X	X																	
M/GHWC/00001																						X	X	X	X	X																	
M/G1SE/00001																							X			X																	
M/GH00/00003								X														X	X	X	X	X																	

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ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP			
M/KEWA/00001								X														X	X			X																	
M/K1SA/00002																							X			X																	
M/KDCH/00001															X							X	X		X	X																	
M/LCAD/00001																						X	X	X	X	X																	
M/LFAA/00001			X				X	X				X				X			X	X		X	X	X	X	X		X									X						
M/MMBA/00002																						X	X	X	X	X	X																
M/MGAD/00001																						X	X	X	X	X	X																

AMEND 2

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ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP			
M/K4SA/00002																					X		X		X	X																	

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ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP						
M/JYA/A01																					X		X		X	X																				
AMEND 2 M/JUA/0026																					X		X		X	X																				
AMEND 1 M/JUA/023			X																	X	X	X	X	X	X	X		X																		
AMEND 1 M/JUA/015																					X	X	X	X	X	X		X																		
M/KFWA/00001							X														X		X			X																				
M/K1SA/00002																					X		X			X																				
M/KDCH/00001														X							X	X	X		X	X																				

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ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP			
	M/LCAD/00001																																										
M/LFAA/00001			X				X	X				X				X		X	X		X		X		X			X															
M/MMBA/00002																					X		X	X	X	X	X																
M/MGAD/00001																					X		X	X	X	X	X																

AMEND 2

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ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP			
	M/RAHA/00081				X																	X		X	X	X	X																
M/RAHA/00012				X																	X		X	X	X	X																	
M/RAHA/00053				X																	X		X	X	X	X																	
M/RAHA/00072				X																	X		X	X	X	X																	
M/RAHA/00101				X																	X		X	X	X	X																	
M/RAHA/00075				X																	X		X	X	X	X																	
M/RAHA/00081				X																	X		X	X	X	X																	
M/RAHA/00071			X	X																	X		X	X	X	X																	
M/RAHA/00070			X	X																	X		X	X	X	X																	
M/RAHA/00066			X																		X		X	X	X	X																	

AMEND 1

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## ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP				
	M/RAHA/00039				X																	X		X	X	X	X																	
M/RAHA/00076				X																	X		X	X	X	X																		
M/RAHA/00085				X																	X		X	X	X	X																		
M/RAHA/00102				X																	X		X	X	X	X																		
M/RAHA/00092				X																	X		X	X	X	X																		
M/RAHA/00096				X																	X		X	X	X	X																		

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## ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP								
	AMEND 1 M/RDMR/00029				X																	X		X	X	X	X																					
M/RDMR/00020				X																	X	X	X	X	X	X																						
M/RDMR/00036				X																	X	X	X	X	X	X																						
AMEND 1 M/RDMR/00036				X																	X	X	X	X	X	X																						
M/RDMR/00013				X																	X	X	X	X	X	X																						
M/RDMR/00029				X																	X		X	X	X	X																						
M/RDMR/00026				X																	X		X	X	X	X																						
M/RDMR/00047				X																	X		X	X	X	X																						
M/RDMR/00021				X																	X		X	X	X	X																						
M/RDMR/00028				X																	X	X	X	X	X	X																						

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ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP					
AMEND 1 M/RDMR/00028				X																	X	X	X	X	X	X		X																	
M/RDMR/00030				X																	X	X	X	X	X	X																			
M/RDMR/00033																					X	X	X	X	X	X	X	X																	
M/RDMR/00009				X																	X	X	X	X	X	X	X	X																	
M/RDMR/00012				X																	X	X	X	X	X	X	X	X																	
M/RDMR/00011				X																	X	X	X	X	X	X	X	X																	
M/RDMR/00031				X																	X	X	X	X	X	X	X	X																	
M/RDMR/00043			X	X																	X	X	X	X	X	X	X	X	X																
M/RDMR/00034																					X	X	X	X	X	X	X	X	X																

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ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP								
AMEND 1 M/RCLS/00046																					X	X	X	X	X	X																						
M/RCLS/00046																					X	X	X	X	X	X																						
M/RCLS/00045																					X	X	X	X	X	X																						
M/RCLS/00029																					X	X	X	X	X	X																						
M/RCLS/00028			X																		X	X	X	X	X	X																						
M/RCLS/00033			X																		X	X	X	X	X	X																						
M/RCLS/00041			X																		X	X	X	X	X	X																						
M/RCLS/00062																					X	X	X	X	X	X																						
M/RCLS/00059			X																		X	X	X	X	X	X																						
M/RCLS/00055			X																		X	X	X	X	X	X																						

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ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP		
M/RDPH/00013				X																	X	X	X	X	X	X																
M/RWC/00002				X																	X		X	X	X	X	X															

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ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP			
M/SHAN/00063																					X	X	X	X	X	X	X	X										X					
M/SHAN/00050																					X	X	X	X	X	X	X	X										X					
M/SHAH/00098			X																		X	X	X	X	X	X	X	X										X					
M/SHAX/00030																					X	X	X	X	X	X	X	X										X					
AMEND 1 M/SEMU/00001																					X	X	X	X	X	X	X											X					
M/SLE3/00001																							X			X	X																
M/SJCA/00015																					X	X	X	X	X	X	X											X					
M/SJCA/00013																					X	X	X	X	X	X	X	X										X					
M/SMT/00004																					X	X	X	X	X	X	X	X										X					
M/SMTL/00002																					X	X	X	X	X	X	X	X										X					

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ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP	
M/S1TK/00013																							X			X															

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ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP				
M/UA8-9/005																					X		X																					
M/UA8-9/055																					X		X																					
M/UA8-9/058																					X		X																					
M/UA8-9/061																					X		X																					

AMEND 1

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ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP							
M/VGDP/00004																																															
M/VGDP/00001			X																																												
M/VPWD/00020					X	X																																									
M/VPWB/00013			X		X	X																																									
M/VAUB/00001																																															
M/VEBD/00003																X																															
M/VEBD/00002																X																															
M/VEBD/00001																X																															

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ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP									
M/XFAC/00095																						X	X	X	X	X	X	X																					
M/XFAG/00095																						X	X	X	X	X	X	X																					
M/XFAC/00099																						X	X	X	X	X	X	X																					
M/XFAG/00099																						X	X	X	X	X	X	X																					
M/XCDG/00003																						X	X	X	X	X	X	X																					
M/XCDE/00002																						X	X	X	X	X	X	X																					

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ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	9 Sig Reg																																														
	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP								
M/1MBA/00002																					X		X	X	X	X																					
M/1MBA/00019																					X		X	X	X	X																					
M/1MBA/00021			X																																												
M/1MEA/00050																			X			X	X	X	X	X																					
M/1MEA/00046																																															
M/1MEA/00052			X																		X	X	X	X	X	X	X																				
M/1MEA/00048																					X	X	X	X	X	X	X	X	X	X	X																
M/1MEA/00032																					X	X	X	X	X	X	X	X	X	X	X	X	X	X													
M/1MEA/00034			X																		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
M/1MEA/00028																					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	9 Sig Reg																																															
	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP									
M/1LUD/00011			X																		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
M/1LUD/00005																					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
M/1LUD/00027																					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
M/1LUD/00007																					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
M/1LUD/00010																					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
M/1LUD/00008																					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
M/1LYA/00093																					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
M/1LYA/00128			X																		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
M/1LSA/00001																					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
M/1TPG/00001																					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP	
M/1TPG/00003																					X	X	X	X	X	X		X								X					

ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP	
M/7CDA/001																					X	X	X	X	X	X	X														
M/9GPB/00001			X	X																	X	X	X	X	X	X	X									X					
M/9GPB/00001			X	X																	X	X	X	X	X	X	X									X					

ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR	MSO MELBOURNE	MSO GID	DVGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSVIC	OIC FMP (KUTTABUL)	COMPNGPATRON	
M/AAWB/00003							X							X																					
M/BJSK/00001											X																								
M/BEOO/001												X		X																					
M/BARH/00002						X	X				X						X																		
M/CTGC/00002												X		X										X											
M/CLHF/00002												X		X										X											
M/CLSD/00001						X	X				X									X															
M/CDPT/00001						X	X							X								X													
M/CLSD/00001						X	X				X									X															
M/CLHF/00001							X					X		X										X											

AMEND 1

AMEND 1

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ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR	MSO MELBOURNE	MSO GID	DVGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSVIC	OIC FMP (KUTTABUL)	COMPNGPATRON	
M/CHFL/00001							X					X		X									X												

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ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR	MSO MELBOURNE	MSO GID	DYGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSIVIC	OIC FMP (KUTTABUL)	COMPNGPATRON
M/DAPB/00001							X							X								X		X										
M/EKLA/00001							X							X																				
M/JYA/A01																																		
AMEND 2 M/JUA/0026				X			X																											
AMEND 1 M/JUA/023				X			X				X																							
AMEND 1 M/JUA/015				X			X																											

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ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR	MSO MELBOURNE	MSO GID	DYGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSIVIC	OIC FMP (KUTTABUL)	COMPNGPATRON
M/K4SA/00002											X																							

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## ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR	MSO MELBOURNE	MSO GID	DYGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSIVIC	OIC FMP (KUTTABUL)	COMPNGPATRON	
	M/KFWA/00001							X						X						X					X										
M/KISA/00001					X	X					X																								
M/KDCH/00001							X						X										X												
M/LCAD/00001							X						X				X																		
M/LFAA/00001		X					X			X			X										X	X											
M/MBA/00002		X					X				X																								
M/MGAD/00001					X	X							X										X												

AMEND 2

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## ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR	MSO MELBOURNE	MSO GID	DYGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSIVIC	OIC FMP (KUTTABUL)	COMPNGPATRON	
	M/SHAN/00063				X		X	X			X																								
M/SHAN/00050				X		X	X			X																									
M/SHAH/00098				X		X	X																X												
M/SHAX/00030						X	X																												
M/SEMU/00001				X			X							X	X																				
M/SLE3/00001					X	X	X				X				X																				
M/SJCA/00015						X	X																												
M/SJCA/00013				X		X	X																												
M/SMT/00004				X		X	X																												
M/SMTI/00002				X			X																												

AMEND 1

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ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR	MSO MELBOURNE	MSO GID	DYGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSIVIC	OIC FMP (KUTTABUL)	COMPNGPATRON	
M/S1TK/00013							X				X				X																				

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ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR	MSO MELBOURNE	MSO GID	DYGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSIVIC	OIC FMP (KUTTABUL)	COMPNGPATRON	
M/FAJB/00001							X							X																					
M/GHHC/00001								X						X			X																		
M/G1SE/00001									X								X																		
M/GH00/00003							X				X		X																						

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ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR	MSO MELBOURNE	MSO GID	DYGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSIVIC	OIC FMP (KUTTABUL)	COMPNGPATRON	
M/JYA/A01							X							X																					
AMEND 2 M/JUA/0026				X		X								X									X												
AMEND 1 M/JUA/023				X		X					X			X									X												
AMEND 1 M/JUA/015				X		X								X									X												
M/KFWA/00001							X							X					X																
M/K1SA/00002						X	X				X												X												
M/KDCH/00001													X										X												

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ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR	MSO MELBOURNE	MSO GID	DYGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSIVIC	OIC FMP (KUTTABUL)	COMPNGPATRON	
M/LCAD/00001							X							X			X																		
AMEND 2 M/LFAA/00001			X			X					X			X								X													
M/MMBA/00002			X			X						X																							
M/HGAD/00001						X	X							X									X												

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ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR	MSO MELBOURNE	MSO GID	DVGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSIVIC	OIC FMP (KUTTABUL)	COMPNGPATRON	
AMEND 1	M/RDMR/00029						X																												
	M/RDMR/00020						X																												
	M/RDMR/00036						X																												
AMEND 1	M/RDMR/00036						X																												
	M/RDMR/00013						X																												
	M/RDMR/00029						X																												
	M/RDMR/00026						X																												
	M/RDMR/00047						X																												
	M/RDMR/00021						X																												
	M/RDMR/00028						X																												

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ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR	MSO MELBOURNE	MSO GID	DVGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSIVIC	OIC FMP (KUTTABUL)	COMPNGPATRON	
AMEND 1	M/RDMR/00028						X							X	X																				
	M/RDMR/00030						X							X	X																				
	M/RDMR/00033						X							X	X																				
	M/RDMR/00009						X							X	X								X												
	M/RDMR/00012						X							X	X								X												
	M/RDMR/00011						X							X	X								X												
	M/RDMR/00051						X							X	X								X												
	M/RDMR/00045						X							X	X								X												
	M/RDMR/00034						X							X	X								X												

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ESTABLISHMENTS, ETC.

AMEND 1

MODIFICATION NUMBER	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR	MSO MELBOURNE	MSO GID	DVGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSVIC	OIC FMP (KUTTABUL)	COMPNGPATRON
M/RCLS/00046							X							X	X																			
M/RCLS/00046							X							X	X																			
E/RCLS/00045							X							X	X																			
M/RCLS/00029							X							X	X																			
M/RCLS/00028							X							X	X																			
M/RCLS/00033							X							X	X																			
M/RCLS/00041							X							X	X																			
M/RCLS/00062							X							X	X																			
M/RCLS/00059							X							X	X																			
M/RCLS/00055							X							X	X																			

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ESTABLISHMENTS, ETC.

MODIFICATION NUMBER

M/RDFH/00013

M/RYWC/00002

MODIFICATION NUMBER	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR	MSO MELBOURNE	MSO GID	DVGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSVIC	OIC FMP (KUTTABUL)	COMPNGPATRON	
M/RDFH/00013							X							X	X																				
M/RYWC/00002							X							X	X																				

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ESTABLISHMENTS, ETC.

AMEND 1

MODIFICATION NUMBER	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR	MSO MELBOURNE	MSO GID	DVGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSIVIC	OIC FMP (KUTTABUL)	COMPNGPATRON		
M/UA8-9/055							X																													
M/UA8-9/060							X																													
M/UA8-9/058							X																													
M/UA8-9/061							X						X																							

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ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR	MSO MELBOURNE	MSO GID	DVGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSIVIC	OIC FMP (KUTTABUL)	COMPNGPATRON			
M/VGDP/00004							X				X			X																							
M/VGDP/00001							X				X			X								X															
M/VPWD/00020							X							X																							
M/VPWB/00013							X			X				X																							
M/VAUB/00001							X							X									X														
M/VEBD/00003							X							X									X														
M/VEBD/00002							X							X									X														
M/VEBD/00001							X							X									X														

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ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR	MSO MELBOURNE	MSO GID	DVGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSVIC	OIC FMP (KUTTABUL)	COMPNGPATRON	
M/XFAC/00095						X	X							X																					
M/XFAG/00095						X	X							X																					
M/XFAC/00099							X							X									X												
M/XFAG/00099							X							X									X												
M/XCDG/00003							X							X																					
M/XCDE/00002							X							X																					

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ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR	MSO MELBOURNE	MSO GID	DVGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSVIC	OIC FMP (KUTTABUL)	COMPNGPATRON	
M/YBCF/00009							X							X																					
AMEND 1 M/YA00/00004							X							X			X																		
AMEND 1 M/YA00/00005							X							X			X																		
AMEND 1 M/YAFG/00001							X							X			X																		
M/YDHB/00001							X					X		X			X																		
AMEND 1 M/YDHB/00001							X					X		X			X																		
M/YCEG/00001							X							X			X						X												

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ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DES D	DOD	DMED	DUR	MSO MELBOURNE	MSO GID	DVGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSVIC	OIC FMP (KUTTABUL)	COMPNGPATRON	
M/1MEA/00027							X							X									X												
M/1MEA/00016							Y							X									X												
M/1ARA/00034							X							X									X												
M/1ABG/A01							X							X																					
M/1ACD/00068							X							X																					
M/1HBC/00068							X							X																					
ISSUE 2 M/1ACD/00068							X							X																					
ISSUE 2 M/1HBC/00068							X							X																					
M/1LUD/00014				X			X				X			X																					
M/1LUD/00013							X							X																					

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ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DES D	DOD	DMED	DUR	MSO MELBOURNE	MSO GID	DVGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSVIC	OIC FMP (KUTTABUL)	COMPNGPATRON	
M/1MBA/00002							X							X									X												
M/1MBA/00019							X							X									X												
M/1MBA/00021				X			X							X																					
M/1MBA/00050				X			X							X									X												
M/1MBA/00046							X							X									X												
M/1MBA/00052				X			X							X																					
M/1MEA/00048							X			X													X												
M/1MBA/00032							X							X									X												
M/1MBA/00034				X			X							X									X												
M/1MBA/00028							X							X									X												

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## ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR	MSO MELBOURNE	MSO GID	DVGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSIVIC	OIC FMP (KUTTABUL)	COMPNGPATRON	
M/1LUD/00011							X							X																					
M/1LUD/00005							X							X																					
M/1LUD/00027				X		X								X									X												
M/1LUD/00007				X		X								X									X												
M/1LUD/00010				X		X								X									X												
M/1LUD/00008						X								X																					
M/1LYA/00093				X		X								X																					
M/1LYA/00128				X		X								X									X												
M/1LSA/00001				X		X								X																					
M/1TPG/00001						X								X																					

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## ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR	MSO MELBOURNE	MSO GID	DVGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSIVIC	OIC FMP (KUTTABUL)	COMPNGPATRON	
M/1TPE/00003							X																X												

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ESTABLISHMENTS, ETC.

MODIFICATION NUMBER	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR	MSO MELBOURNE	MSO GID	DVGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSVIC	OIC FMP (KUTTABUL)	COMPNGPATRON	
M/7CDA/001							X							X																					
M/9GPB/00001		X		X			X							X																		X			
ISSUE 2 M/9GPB/00001	X		X			X								X																	X				

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SHIPS

ALTERATION AND ADDITION NUMBER	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORSEBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	TRVs	LCHs	TSG (NOWRA)		
A/0862/74	X			X																															
A/0698/73				X																X	X														
A/0400/72				X															X																
A/0880/74				X																						X									
AMEND 1 A/0205/71		X		X																															
A/0412/72	X			X																															
A/0541/72			X	X																															
A/0697/73				X																						X									
AMEND 1 A/0660/73				X																						X									
AMEND 2 A/0246/71				X		X	X	X	X																										

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SHIPS

ALTERATION AND ADDITION NUMBER	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLOW	TRVs	LCHs	TSG (NOWRA)		
	A/0403/72		X		X																														
A/0736/73				X																												X			
A/0277/71				X																	X	X													
AMEND 1 A/0246/71				X	X	X	X	X																											
AMEND 1 A/0777/73				X	X	X	X	X	X	X	X	X	X	X																					
AMEND 1 A/0758/73				X																					X										
A/0811/73	X			X																															
A/0833/73				X																															
A/0470/72		X		X																															
A/0861/74	X			X																															

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SHIPS

ALTERATION AND ADDITION NUMBER	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLOW	TRVs	LCHs	TSG (NOWRA)			
	AMEND 2 A/0125/70				X	X	X	X	X	X																										
A/0895/74	X			X																																
AMEND 2 A/0246/71				X	X	X	X	X	X																											

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SHIPS

ALTERATION AND ADDITION NUMBER	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLOW	TRVs	LCHs	TSG (NOWRA)		
A/ALSE/00885	X			X																															
A/ABED/00610	X			X																															
A/ALVA/00538				X											X	X	X																		
A/CXEA/00425				X	X	X	X	X	X																										
A/CWMA/0738				X																												X			
A/CGMY/01062	X			X																															
A/CEFP/00815				X											X	X																			
A/EFAG/01019	X			X																															

AMEND 1

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SHIPS

ALTERATION AND ADDITION NUMBER	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLOW	TRVs	LCHs	TSG (NOWRA)			
A/EMFA/01024	X			X																																
A/FASC/0877				X																																
A/FSFD/01013		X		X																																
A/GMCH/01012				X	X	X	X	X	X																											
A/GHTC/00774	X			X																																
A/GEPS/00963			X	X																																
A/GJFE/0951				X																																
A/GJFG/01044				X													X																			

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SHIPS

ALTERATION AND ADDITION NUMBER	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	TRVs	LCHs	TSG (NOWRA)		
	A/GJFG/00890	X			X	X	X	X	X		X	X											X		X	X									
A/HFUD/00920	X			X																															
A/HFUA/00797			X	X																															
A/KDCG/00900				X				X	X																										
A/KECB/00998				X																													X		
A/KDPH/0497				X																					X										

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SHIPS

ALTERATION AND ADDITION NUMBER	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	TRVs	LCHs	TSG (NOWRA)			
	A/MGAB/00785		X		X																															
PT 1 A/MA00/00898	X			X																																
PT 2 A/MA00/00898	X			X																																
A/MGAB/00855				X											X	X																				
AMEND 1 A/MGAB/00720		X		X																																
A/VFKE/00806				X	X	X	X	X	X			X	X	X									X	X	X											
AMEND 1 A/VFKE/00806				X	X	X	X	X	X			X	X	X								X	X	X												

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SHIPS

ALTERATION AND ADDITION NUMBER	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	TRVs	LCHs	TSG (NOWRA)			
	AMEND 1																																			
A/YAFC/00716				X						X	X																									
A/YBNA/00558				X											X	X																				
A/YBCF/01049				X													X																			
A/XABF/00499				X											X	X																				
A/7EBW/01043	X		X																																	
A/8PRD/00954		X	X																																	
A/8PRB/00952		X	X																																	
A/8PRA/00955		X	X																																	

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SHIPS

ALTERATION AND ADDITION NUMBER	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	TRVs	LCHs	TSG (NOWRA)			
	A/8PRC/00953			X	X																															

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ESTABLISHMENTS, ETC.

ALTERATION AND ADDITION NUMBER	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP		
A/0862/74																						X	X	X	X	X	X															
A/0698/73													X	X								X	X	X	X	X	X									X						
A/0400/72																						X	X	X	X	X	X															
A/0880/74																						X	X	X	X	X	X															
AMEND 1 A/0205/71																						X	X	X	X	X	X															
A/0412/72																						X	X	X	X	X	X															
A/0541/72																						X	X	X	X	X	X															
A/0697/73																						X	X	X	X	X	X										X					
amend 1 A/0660/73																						X	X	X	X	X	X										X					
AMEND 2 A/0246/71																						X	X	X	X	X	X															

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ESTABLISHMENTS, ETC.

ALTERATION AND ADDITION NUMBER	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP			
A/0403/72																						X	X	X	X	X	X																
A/0736/73																						X	X	X	X	X	X																
A/0277/71																						X	X	X	X	X	X																
AMEND 1 A/0246/71													X	X								X	X	X	X	X	X							X									
AMEND 1 A/0777/73																						X	X	X	X	X	X										X						
AMEND 1 A/0758/73																			X			X	X	X	X	X	X																
A/0811/73																						X	X	X	X	X	X																
A/0833/73							X															X	X	X	X	X	X																
A/0470/72																						X	X	X	X	X	X																
A/0861/74																						X	X	X	X	X	X																

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ESTABLISHMENTS, ETC.

ALTERATION AND ADDITION NUMBER	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEUIWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP	
A/0125/70																						X	X	X	X	X	X														
A/0895/74																						X	X	X	X	X	X														
A/ 0246/71																						X	X	X	X	X	X														

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ESTABLISHMENTS, ETC.

ALTERATION AND ADDITION NUMBER	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEUIWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP		
A/ALSE/00885																						X	X	X	X	X	X															
A/ABED/00610																						X	X	X	X	X	X															
A/ALVA/00538																						X	X	X	X	X	X															
A/CXEA/00425																						X	X	X	X	X	X															
A/CWMA/0738							X															X	X	X	X	X	X															
A/CGMY/01062																						X	X	X	X	X	X															
A/CEFP/00815																						X	X	X	X	X	X															
A/EFAG/01019																						X	X	X	X	X	X															

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AMEND 1

## ESTABLISHMENTS, ETC.

ALTERATION AND ADDITION NUMBER	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEUWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP										
A/EMFA/01024																					x	x	x	x	x	x																								
A/FASC/0877			x												x							x	x	x	x	x	x																							
A/FSFD/01013																						x	x	x	x	x	x																							
A/GMCH/01012																						x	x	x	x	x	x																							
A/GHTC/00774																						x	x	x	x	x	x																							
A/GEPS/00963																						x	x	x	x	x	x																							
A/GJFE/0951																						x	x	x	x	x	x	x																						
A/GJFG/01044																						x	x	x	x	x	x	x																						

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## ESTABLISHMENTS, ETC.

ALTERATION AND ADDITION NUMBER	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEUWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP											
A/GJFG/00890																				x		x	x	x	x	x	x	x																							
A/HFUD/00920																						x	x	x	x	x	x	x																							
A/HFUA/00797																						x	x	x	x	x	x	x																							
A/KDCG/00900																						x	x	x	x	x	x	x																							
A/KECB/00998							x															x	x	x	x	x	x	x																							
A/KDPH/0497																						x	x	x	x	x	x	x																							

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ESTABLISHMENTS, ETC.

ALTERATION AND ADDITION NUMBER	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEUWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP			
	A/MGAB/00785																						X	X	X	X	X	X															
PT 1 A/MA00/00898																						X	X	X	X	X	X																
PT 2 A/MA00/00898																						X	X	X	X	X	X																
A/MGAB/00855																						X	X	X	X	X	X																
AMEND 1 A/MGAB/00720																						X	X	X	X	X	X																
A/VFKE/00806																						X	X	X	X	X	X																
AMEND 1 A/VFKE/00806																						X	X	X	X	X	X																

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ESTABLISHMENTS, ETC.

ALTERATION AND ADDITION NUMBER	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEUWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP				
	AMEND 1 A/YAFC/00716																						X	X	X	X	X	X										X						
A/YBNA/00558																						X	X	X	X	X	X																	
A/YBCF/01049																						X	X	X	X	X	X																	
A/XABP/00499																						X	X	X	X	X	X																	
A/7EBW/01043																						X	X	X	X	X	X																	
A/8PRD/00954																						X	X	X	X	X	X																	
A/8PRB/00952																						X	X	X	X	X	X																	
A/8PRA/00955																						X	X	X	X	X	X																	

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ESTABLISHMENTS, ETC.

ALTERATION AND ADDITION NUMBER	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEUIWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	D4 (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP	
A/8PRC/00953																					x	x	x	x	x	x															

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ESTABLISHMENTS, ETC.

ALTERATION AND ADDITION NUMBER	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR	M50 MELBOURNE	M50 GID	DVGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSVIC	OIC FMP (KUTTABUL)	COMPNGPATRON											
A/0862/74					x	x	x							x					x																										
A/0698/73					x	x	x																																						
A/0400/72					x	x	x																																						
A/0880/74					x	x	x					x																																	
AMEND 1 A/0205/71					x	x	x							x			x	x																											
A/0412/72					x	x	x							x			x	x																											
A/0541/72					x	x	x							x			x	x																											
A/0697/73					x	x	x					x					x	x																											
AMEND 1 A/0660/73					x	x	x					x					x	x																											
amend 2 A/0246/71																																													

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ESTABLISHMENTS, ETC.

ALTERATION AND ADDITION NUMBER	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR	MSO MELBOURNE	MSO GID	DVGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSIVIC	OIC FMP (KUTTABUL)	COMPNGPATRON	
A/0403/72					X		X																												
A/0736/73					X	X	X																												
A/0277/71					X	X	X							X																					
AMEND 1 A/0246/71					X	X	X							X																					
AMEND 1 A/0777/73					X	X	X							X																					
AMEND 1 A/0758/73					X	X	X				X			X																					
A/0811/73					X	X	X							X																					
A/0833/73					X	X	X							X																					
A/0470/72					X	X	X							X																					
A/0861/74					X	X	X							X																					

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ESTABLISHMENTS, ETC.

ALTERATION AND ADDITION NUMBER	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR	MSO MELBOURNE	MSO GID	DVGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSIVIC	OIC FMP (KUTTABUL)	COMPNGPATRON	
AMEND 2 A/0125/70					X	X	X							X				X	X	X															
A/0895/74					X	X	X							X					X	X			X												
AMEND 2 A/0246/71					X	X	X							X				X	X	X			X												

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ESTABLISHMENTS, ETC.

ALTERATION AND ADDITION NUMBER	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR	MSO MELBOURNE	MSO GID	DVGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSVIC	OIC FMP (KUITTABUL)	COMPNGPATRON		
	A/ALSE/00885					X	X	X							X				X																	
A/ABED/00610					X	X	X							X				X																		
A/ALVA/00538					X	X	X							X																						
A/CXEA/00425					X	X	X							X			X	X	X																	
A/CWMA/0738					X	X	X											X																		
A/CGMY/01062					X	X	X							X																						
A/CEFP/00815					X	X	X							X						X																
A/EFAG/01019					X	X	X							X																						

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AMEND 1

ESTABLISHMENTS, ETC.

ALTERATION AND ADDITION NUMBER	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR	MSO MELBOURNE	MSO GID	DVGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSVIC	OIC FMP (KUITTABUL)	COMPNGPATRON			
	A/EMFA/01024					X	X	X							X																						
A/FASC/0877					X	X	X																								X						
A/FSFD/01013					X	X	X							X																							
A/GMCH/01012					X	X	X							X				X																			
A/GHTC/00774					X	X	X							X				X																			
A/GEPS/00963					X	X	X							X			X	X																			
A/GJFE/0951					X	X	X					X						X																			
A/GJFG/01044					X	X	X							X							X																

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ESTABLISHMENTS, ETC.

ALTERATION AND ADDITION NUMBER	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR	MSO MELBOURNE	MSO GID	DVGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSIVIC	OIC FMP (KUTTABUL)	COMPNGPATRON	
AMEND 1 A/YAFC/00716					X	X	X							X					X																
A/YBNA/00558					X	X	X							X																					
A/YBCF/01049					X	X	X							X					X				X												
A/XABF/00499					X	X	X							X																					
A/7EBW/01043					X	X	X							X																					
A/8PRD/00954					X	X	X							X					X																
A/8PRB/00952					X	X	X							X					X																
A/8PRA/00955					X	X	X							X					X																

ESTABLISHMENTS, ETC.

ALTERATION AND ADDITION NUMBER	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR	MSO MELBOURNE	MSO GID	DVGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSIVIC	OIC FMP (KUTTABUL)	COMPNGPATRON	
A/8PRC/00953					X	X	X							X				X																	

## SHIPS

FIELD CHANGE NUMBER	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	TRVs	LCHs	TSG (NOWRA)		
F/VA4P/00005				X									X	X																					
F/VGTA/00016				X						X	X	X																							
F/VGTC/00014				X						X	X	X	X																						
F/VGUF/00009				X						X	X	X																							
AMEND 1 F/VGTA/00016				X						X	X	X																							
AMEND 1 F/VGTC/00014				X						X	X	X																							
AMEND 1 F/VGUF/00009				X						X	X	X																							
F/VGTA/00017				X						X	X	X																							
F/VGTC/00015				X						X	X	X	X																						
F/VA4H/00002	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X									X									

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## ANNEX C

## SHIPS

FIELD CHANGE NUMBER	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	TRVs	LCHs	TSG (NOWRA)		
F/VGTA/00018					X					X	X	X																							
F/VGTC/00016					X					X	X	X	X																						
F/VGUF/00010					X					X	X	X																							
AMEND 1 F/VGTA/00017					X					X	X	X	X																						
AMEND 1 F/VGTC/00015					X					X	X	X	X																						

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ESTABLISHMENTS, ETC.

FIELD CHANGE NUMBER		9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP		
	F/VA4P/00005																					X		X	X	X	X		X														
	F/VGTA/00016			X																		X	X	X	X	X	X	X										X					
	F/VGTC/00014			X																		X	X	X	X	X	X	X										X					
	F/VGUF/00009			X																		X	X	X	X	X	X	X										X					
AMEND 1	F/VGTA/00016			X																		X	X	X	X	X	X	X										X					
AMEND 1	F/VGTC/00014			X																		X	X	X	X	X	X	X										X					
AMEND 1	F/VGUF/00009			X																		X	X	X	X	X	X	X										X					
	F/VGTA/00017			X																		X	X	X	X	X	X	X										X					
	F/VGTC/00015			X																		X	X	X	X	X	X	X										X					
	F/VA4H/00002		X				X								X							X	X	X	X	X	X											X					

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ESTABLISHMENTS, ETC.

FIELD CHANGE NUMBER		9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	BASILISK	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP				
	F/VGTA/00018				X																	X	X	X	X	X	X	X											X						
	F/VGTC/00016			X																		X	X	X	X	X	X	X											X						
	F/VGUF/00010			X																		X	X	X	X	X	X	X										X							
AMEND 1	F/VGTA/00017			X																		X	X	X	X	X	X	X										X							
AMEND 1	F/VGTC/00015			X																		X	X	X	X	X	X	X										X							

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ESTABLISHMENTS, ETC.

FIELD CHANGE NUMBER	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR	MSO MELBOURNE	MSO GID	DVGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSIYC	OIC FMP (KUTTABUL)	COMPNGPATRON		
F/VA4P/00005							X							X								X														
F/VGTA/00016							X							X																						
F/VGTC/00014							X							X																						
F/VGUF/00009							X							X																						
AMEND 1 F/VGTA/00016							X							X																						
AMEND 1 F/VGTC/00014							X							X																						
AMEND 1 F/VGUF/00009							X							X																						
F/VGTA/00017							X							X																						
F/VGTC/00015							X							X																						
F/VA4H/00002							X							X								X														

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ESTABLISHMENTS, ETC.

FIELD CHANGE NUMBER	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS (ACP)	LSTDC	OIC (M)	RAN (WED)	DSMR	HMAS CAIRNS	DFM (R and P)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR	MSO MELBOURNE	MSO GID	DVGS	NOC QLD	COMAUSLANCRON I	ARMY HQ2 (EME)	WESO SYDNEY	WESO MARIBYRNONG	RANAS NOWRA	D of T	C of P (S)	GOSIYC	OIC FMP (KUTTABUL)	COMPNGPATRON		
F/VGTA/00018							X							X								X														
F/VGTC/00016							X							X								X														
F/VGUF/00010							X							X								X														
AMEND 1 F/VGTA/00017							X							X								X														
AMEND 1 F/VGTC/00015							X							X								X														

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Historian  
Victoria Barracks  
Melbourne

ANOs 352/75-355/75



# AUSTRALIAN NAVY ORDERS

CONTENTS

Navy Office, Canberra,  
18 December 1975.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

- Additional copies of Navy Orders may be readily obtained by:
- signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
  - writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
  - telephoning Navy Office, Canberra 65 4718.

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY  
UNCLASSIFIED

352/75—Information Concerning and Distribution of Publications and Amendments Managed by Executive Officer Publications, Sydney—August 1975

353/75—Information Concerning and Distribution of Publications and Amendments Managed by Executive Officer Publications, Sydney—September 1975

354/75—Information Concerning and Distribution of Publications and Amendments Managed by Executive Officer Publications, Sydney—October 1975

355/75—Allowances of Publications for Patrol Boats and Operating and Maintenance Bases.

**CONTENTS**

No	Title
<b>SECTION 5—BOOKS, CORRESPONDENCE, FORMS AND STATIONERY</b>	
352/75	Information Concerning and Distribution of Publications and Amendments Managed by Executive Officer Publications, Sydney—August 1975.
353/75	Information Concerning and Distribution of Publications and Amendments Managed by Executive Officer Publications, Sydney—September 1975.
354/75	Information Concerning and Distribution of Publications and Amendments Managed by Executive Officer Publications, Sydney—October 1975.
355/75	Allowances of Publications for Patrol Boats and Operating and Maintenance Bases.

**Section 5**

**BOOKS, CORRESPONDENCE, FORMS AND STATIONERY**

**UNCLASSIFIED**

**352/75—Information Concerning and Distribution of Publications and Amendments Managed by Executive Officer Publications, Sydney—August 1975**

- 1. The annex lists publications and amendments distributed, declared obsolete, superseded etc during August, 1975.
- 2. Allowances for ships and establishments, as distinct from gratuitous and repayment issues will be issued without demand by the Publications Authority, Garden Island, NSW, in accordance with an approved scale and automatic updating is provided.
- 3. Holders of basic publications are reminded that only those issues recorded on NAV-PUB will be updated without demand (Navy Order 158/74 refers).
- 4. Changes issued to publications held as advance copies or to publications not on general distribution are not reflected in Navy Orders.

**Gratuitous Issues**

- 5. Where it has been decided that a gratuitous or personal issue of a publication will be made, a Navy Order detailing the basis of issue and the personnel concerned, and instructing ships and establishments to obtain their requirements, for this purpose, through their Supply Officer will be promulgated.
- 6. Supply Officers should place demands on the Publications Authority, Garden Island, NSW, for the total number of copies required in their respective ship or establishment, on Form SO150 (Navy Order 236/74 refers), stating the reason for the requirement and quoting the relevant Navy Order. The publications are to be accounted for by the Supply Officer in accordance with ABR 4, Article 1301 and Article 2512.
- 7. Automatic updating is not provided for copies of publications on gratuitous issue and demands for updating should be placed on the Publications Authority, Garden Island, NSW, upon notification of its availability in Navy Orders. Form SX40 should be used for demanding changes and the form should clearly state 'Required for amending Personal Issue Copies'.

**Repayment Issues**

- 8. If it has been approved that a publication should be made available from departmental stocks, for sale to certain categories of personnel, a Navy Order will be promulgated detailing the basis of issue and the rate to be charged to personnel concerned.
- 9. Supply Officers should place demands on the Publications Authority, Garden Island, NSW, for the copies required, on Form SO150 quoting the reason for requirement and the relevant Navy Order. The publications are to be accounted for by the Supply Officer in accordance with ABR 4 Chapters 13 and 25.
- 10. Automatic updating is not provided for copies of publications issued on repayment, and demands for updating should be placed on the Publications Authority, Garden Island, NSW, upon notification of its availability. Again, Form SX40 should be used for demanding these changes and the form should clearly state 'Required for amending Repayment Issue Copies'.
- 11. Issues etc of periodicals and magazines are not included in monthly Navy Orders.
- 12. The publications declared obsolete in Annex C are to be disposed of in accordance with ABR 4 Article 2514(3). These publications will be deleted from NAVPUB records and no further updating will be supplied.

**CONTENTS**

SECTION 5—BOOKS, CORRESPONDENCE, FORMS AND STATIONERY	
Information Concerning and Distribution of Publications and Amendments Managed by Executive Officer Publications, Sydney—August 1975	152/75
Information Concerning and Distribution of Publications and Amendments Managed by Executive Officer Publications, Sydney—September 1975	153/75
Information Concerning and Distribution of Publications and Amendments Managed by Executive Officer Publications, Sydney—October 1975	154/75
Allowance of Publications for Patrol Boats and Operating and Maintenance Boats	155/75

(Annex C lists Navy Orders, which are printed in the following order: 1. Issuing instructions to supply officers; 2. Issuing instructions to supply officers; 3. Issuing to supply officers; 4. Issuing to supply officers; 5. Issuing to supply officers; 6. Issuing to supply officers.

## ANNEX A

Publication No	Title	Edition
AAP 69	Index of Pubs Pamphlets Etc used in RAAF	74
AAP 7210-006-6-7	Iroquois Servicing Schedule	71
AAP 7299-005-3M	Breeze Rescue Hoist Assy Pt No 16600-11	73
AAP 7334-015-3	Air Macchi Underwing Pylon Overhaul and Maintenance	—
AAP 7640-132-2M	(Simmons Precision) Field Calibration Unit Pt No 387991-005	74
AAP 7833-024-3M	Control Communication System C-6533/ARC ICS System Repair Manual	74
ABR 5198	Australian Navy Supply Depot Procedural Manual	75
ABR 5200	Variant A—Operation and Maintenance Manual, 34 ft Survey Motor Boat Propeller version for HMAS FLINDERS	—
ABR 5221	Boolee/Flowerless Handling Equipment fitted to HMAS DIAMANTINA	75
ABR 8096 V2	Reserve Instructions V2	75
APL 61610020	CAQI-400D Voltmeter	61
APL 61613015	Micro Wave Power Meter CAQI-430C	65
APL 61613405	CAQI-444A	64
APL 61619040	CAQI-524D Counter Electronic	66
APL 61628095	CAQI-5261A	67
APL 61629479	CAQI-H02-166D	66
APL 61877385	CBTV-SA-84WA	65
APL 61894545	CLAF-RJ-9 Ratio Transformer	65
APL 78734500PA	CDU-304A	59
AP RAN 301-1	Sea King-Gnome H1400 in Service—Repair Manual (Rolls Royce)	70
AP RAN 500 V1 B2	Weight Sheet Summary TA46	75
AP RAN 600 V1 B1	Weight Sheet Summary S2E	—
AP 101C-0401/2-3B	Appendix A—Serial Numbers 2294 and 2328—Sea King-HAS Mk 1 and HAS Mk 2 Helicopter	75
AP 108D-0109-5FN	Safety Harness Type E74247	75
BR 320C	NATO Stock No to RN Management Code	74
BR 2525 WP 88207/04	GWSI AC/AC/AC Power Unit Type 4439	75
BR 2525 WP 88308/05	Weapon Direction System Mk 6 Less Sights	74
MBR 9077	Jane's Weapon Systems	75
MISCPUB 0037	Papua-New Guinea Handbook	—
ML 135	Synopsis of Anaesthesia 7th Edition (Lee and Atkinson)	—
NA 00-500B	Applicability Lists	75
NA 01-40AV75-1A1	Conventional Weapon Checklist A4—Aircraft—Release and Control System	75
NA 02A-35GN-503	S/2E Aircraft Engine Overhaul Instructions R1820-82-82A-84A-84C and 84D-90	73
NA 03-30CY-643	Intermediate Maintenance W/PB Reservoir Assy Hydraulic System Utility Hyd.	75
NA 03-110ACB-6	Bleed Override Control Holley Overhaul Instructions	75
NA 05-20XAB-11	Computer Throttle Control Approach Power Set Overhaul	68
NA 16-30APX72-2	Receiver Transmitter Maintenance Manual IRT-859 (APX-72)	69
NA 16-35TS1843-1	Transponder Test Set	72
NA 17-15BAD-1	Storage Batteries Naval Aircraft Maintenance Instructions	75
NAVSUP 476	Navy Food Service	69
NAVSUP 486	Food Service Management	75
NAVSUP 2002	Introduction to NSL of Pubs and Forms S/N053S-LP-004-0001	75
NAVSUP 4400	Fire Fighting Rescue and Safety Equipment	73

## ANNEX A—continued

Publication No	Title	Edition
OS 1862	Resin Polyester (Unsaturated)	59
PAM 310-3	USA Army Index of Work Requirements	73
TEM 4730-0001	Clam Trap Catalogue and Maintenance Manual	—
TEM 4940-0004	Op Manual for Halogen Leak Meter Type EA911153 Serial No 328H	—
TEM 7290-0001	Op Instructions Waste Master Food Waste Disposal Unit Model 750F	75
TEM 7290-0002	Op. Instructions Waste King Food Waste Disposal Unit Model 50	—
TM 3-4240-258-14	Mask—Biological, Chemical Field M17A1 and Accessories	71
TM 3-4240-258-35P	Mask, CBR, Field M17A1-DSM-GS Maintenance Repair and Special Tool Lists	68
WAP 107E-W0401-1	Sea King Double Check Tee IPC Overhaul Volumes 1, 3A and 6	74
WAP 119K-0125-13A	Wheel Change Jack—10 ton	—

## ANNEX B

Publication No	Amendment/Change
AAP 7225.002-3M	7, 8
AAP 7291.008-100	8
AAP 7293.055-3	11
AAP 7421.022-3M	4
AAP 7432.134-3M	1
AAP 7512.007-3M	6
AAP 7513.054-3	5
AAP 7515.009-3M	6
AAP 7524.031-3M	7, 8, 9
AAP 7531.037-3M	4
AAP 7532.005-3M	8
AAP 7533.009-3	10
AAP 7533.012-3M	7
AAP 7533.015-3M	17, 18
AAP 7831.022-3-1	8
AAP 7832.022-4M-2	3
AAP 7832.035-3M	1
AAP 7842.022-3M-5	1
AAP 996.60	8
ABR 4	ICH 024
ABR 1991	10
ABR 5146	1
AP (N) 140	31
AP (RAN) 8 V1 B6	AIL 28, AIL 29
AP (RAN) 8 V5	83, 84
AP (RAN) 8 V6 P3	AIL 82
AP (RAN) 8B V5 P1 S1 I2	8
AP (RAN) 9B V6 P2 A34A	99, 100

## ANNEX B—continued

Publication No	Amendment/Change
AP (RAN) 19 V1 B2	35
AP (RAN) 19 V2 B1 B2 I2	115, 117
AP (RAN) 19 V5 P1 P2 P3	46
AP (RAN) 63 V2	38, 40
AP (RAN) 77	6
AP (RAN) 78	5
AP (RAN) 100 V1 P8	50, 102, 103
AP (RAN) 100 V1 P10	25
AP (RAN) 100 V1 P16	8
AP (RAN) 100 V2 P2	30
AP (RAN) 100 V2 P3	60
AP (RAN) 100 V2 P6	48
AP (RAN) 100 V2 P7	128, 129
AP (RAN) 100 V2 P10	89, 91
AP (RAN) 100 V2 P11	58, 59, 60, 61, 62, 64
AP (RAN) 100 V2 P12	28
AP (RAN) 102 I3	10
AP (RAN) 140 E3	30
AP (RAN) 300-1-5	15
AP (RAN) 300-2-1	WSK 99-1, WSK 96-1, WSK 101-1, WSK 102-1, AIL 1
AP (RAN) 300-3-7	1
AP (RAN) 300-5-2-1	2
AP (RAN) 500 V2 P2	99, 100
AAP-ABO-SA	ISS 242, ISS 243
AAP-ABO-SE	ISS 902, E903, E70, E71, E72, E73, E74, E75, E76, E77, E78, E79
AAP-ABO-SF	F57, F58, F59, F60
AAP-ABO-SH	H18
AAP-ABO-SN	N12/75, N13/75
AAP-ABO-ST	T46, T47
AAP-7000-002-1 B1	SCPO 9/75, SCPO 10/75, SCPO 11/75, SCPO 12/75, SCPO 13/75, SCPO 14/75
AAP-7002-012-2	27
AAP-7021-003-1	15
AAP-7111-009-3-1	20, 21
AAP-7113-003-2	26
AAP-7113-013-4	1
AAP-7195-003-3	10
AAP-7210-010-7-1	8
AAP-7210-010-100	21, 22
AAP-7211-006-100	290
AAP-7211-015-1-4-1	11
AAP-7212-001-2-4	21
AAP-7212-001-2-5	39
AAP-7212-001-2-7	14
AAP-7212-001-2-8	20
AAP-7212-001-2-10	11
AAP-7212-001-3	35
AAP-7212.004-3	13
AAP-7221.005-3M	46, 47, 48, 49

## ANNEX B—continued

Publication No	Amendment/Change
AP (RAN) 500 V2 P3	36
AP (RAN) 500 V5 P1 S2 I2	9
AP (RAN) 500 V5 P1 S3 I2	4
AP (RAN) 502 V5 P1 P2 P3	69, 70, 71, 72, 73, 74, 75, 76
AP (RAN) 600 V2 P1 I2	135
AP (RAN) 600 V2 P2 I2	72, 74
AP (RAN) 600 V5	90, 91, 92, 93
AP (RAN) 2061	RAN 007
AP (RAN) 2097	7
AP 100C-0401-1A	66
AP 100Z-0201	CL 4/75, CL 5/75, CL 6/75
AP 101A-0300-1A	5
AP 101C-0101-5C	20, AIL 1/75
AP 101C-0401-1A	64, 65
AP 101C-0401-1B	172, 173, 174, 175, 176
AP 101C-0401-1C	76, 77
AP 101C-0401-5C	AIL 1/75
AP 101C-0401-6A	43
AP 102C-0708-1	23
AP 108C-0001-1	9
AP 108C-0001-2(R)	E44 AL 1, G42 AL 1
AP 108D-0001-5FN	4
AP 108D-0100-5FN	RAN 4
AP 108D-0201-5FN	3
AP 108E-0002-1	AIL 1/75
AP 108E-0003-1	AIL 1/75
AP 108E-0101-6	2
AP 108E-0303-5FN	8
AP 108F-0001-1	8
AP 108F-0203-12	12, 13
AP 108F-0803-5FN	RAN 3
AP 108F-0904-12	12, 13
AP 108G-0202-16	7
AP 108G-0209-5FN	2
AP 110E-0713-1	4
AP 110F-0101-125	10
AP 110G-0308-125F	3
AP 110N-0401-1	2
AP 110N-0401-12	3
AP 112G-0602-1	16
AP 112G-0725-1	9
AP 113 B3 P1 P2 E12	42
AP 113 B4 E12	82
AP 113D-1605-1	5
AP 116B-0901-5FN	3
AP 116B-0901-6	AIL 1/75, AIL 2/75, AIL 3/75
AP 116D-0102-2	149, 150, 151, 152
AP 116D-0102-6A	33
AP 116D-0106-3AN	5
AP 116D-0106-5FN	6
AP 116D-0110-2	28

## ANNEX B—continued

Publication No	Amendment/Change
AP 119F-0506-16	4
AP 119F-2309-16	2
AP 119G-0919-3AN	7
AP 119L-0200-1	3
AP 1121 V2 E2	3, 4
AP 1181 V2	256, 258, 259, 260, 261
AP 1275	19
AP 1602	SEP-DEC
AP 1803D V1 B1	104
AP 1803 V2 P1	CORR V144, V36-AIL 1, V145, S106, U121 ALT 2, U124 AL 2
AP 2337 V2	292, 294, 301, 302
AP 2537F V2	7
AP 3158 V2 E2	543, 544, 545
AP 4343X V2	248, 249, 250, 251
AP 4602A V1	44
AP 4602A V6	25
AP 4737A V1 V6	71, 72
BR 125	N/ENT 009, SUP 009
BR 664	92
DOD 5105-38-D	4
MBR 8014	NOTE 3 and 4
MBR 8942	CRO 62, CRO 63/64
MBR 9326	Sup 001
MBR 9327	Sup 001
MBR 9331	Sup 001
MBR 9334	Sup 001
MBR 9783	REP/COV
NA 00-35QB-185	3
NA 00-35QG-016	4
NA 01-1A-505	2
NA 01-40AV-75	RAC 018
NA 01-40AVD-2-2-4	RAN 002
NA 01-40AVE-2-9	RAN 001
NA 01-85SAD-2-1	RAN 001
NA 01-85SAD-2-6	RAN 001
NA 01-85SAD-2-8	RAN 001
NA 01-85SAD-2-10	RAN 003, RAN 004, RAN 005
NA 01-85SAD-4-8	RAN 001
NA 01-85SAD-4-9	RAN 001
NA 02A-35GN-502	RAN 013
NA 02A-35GN-503	RAN 009
NA 02A-35GN-504	RAN 002
NA 02B-10DAA-6-1	1, RAN 006
NA 02B-10DAA-6-1-1	1
NA 02B-10DAA-6-2	RAN 013
NA 03-5J-17	RAN 001
NA 03-5AA-125	RAN 001, 3
NA 03-5AS-9	3
NA 03-10EA-96	RAN 001
NA 03-10EN-19	RAN 001

## ANNEX B—continued

Publication No	Amendment/Change
NA 03-10JL-8	REV 7504
NA 03-30CY-626	RAN 001
NA 03-30CY-644	RAN 001
NA 03-35AB-501	RAN 001
NA 03-35B-35	RAN 001
NA 03-70AB-9	RAN 002
NA 03-100F-47	RAN 002
NA 03-110AD-23	8
NA 05-45GBA-1	RAN 002
NA 13-1-6-1	RAN 005
NA 13-1-6-3	RAN 003, RAC 004
NA 16-30APN153-2	RAN 004
NA 16-30APS88-4	RAN 007
NA 16-30APX64-3	14
NA 16-30AQS13-7-7	RAN 001
NA 16-30ARR69-3	5
NA 16-30ASN30-8	RAN 009
NA 16-350A4351-1	RAN 005
NA 17-15KG-19	RAN 002
NA 19-105B-12	RAN 002
NAVSUP 1 V2	87
NAVSUP 467	1
NAVSUP 485	3, 4
NAVSUP 487	15
NAVSUP 4105	1 JULY 75
NAVSUP 4500	FMSO 9114
NS 0967-041-0040	8
RAN AMO/GEN/L	40
TM 55-1520-219-35	RAN 030
WAP 105B-1413-13A6	4
WAP 106D-4405-1	2
WAP 107C-0235-13A	3
WAP 107E-W0401-13A6	1
WAP 110N-0102-1	2
WAP 112B-0308-13A6	11
WAP 112C-0409-13A	5

## ANNEX C

## Publications Declared Obsolete

Publication No.	Title
ABR 5108	Stores procedures for Hydrographic Instruments and Charts
AP RAN 91 (Provisional)	Minipan Camera 35 mm Oper Maint OVHL and IPB
AP 1492A Vol. 1	Airborne Towed Targets, Winches and Ancillary Equipment (For Air to Air and Anti-Aircraft Firing Practice).
AP 4515C V3 P1 S2 Ch 1	Dunlop Equipment fitted to Meteor Aircraft
AP 1836 Vol. 2 Pt 1	Meadows 8/28 HP Marine Engine
AP 1836A Vol. 1	Meadows 8/28 HP Marine Engine



## ANNEX C—continued

Publication No	Title
AP 2790A Vol. 2 Pt 1 ..	18 ft General Service Dinghy with Meadows 8/28 Engine
AP 2790A Vol. 1 ..	18 ft General Service Dinghy Mk 1
AP 2790A Vol. 3 Pt 1 ..	18 ft General Service Dinghy with Meadows 8/28 Engine
AP 2790A Vol 5 Pts 2, 3, 4 and 5 ..	Power Dinghy 18 ft Mk 2 with one Meadows 8/28 Engine (Paper and Card)
AP 2790A Vol 5 Pts 13, 14 and 15 ..	Power Dinghy 18 ft Mk 2 with one Meadows 8/28 Engine (Paper and Card)
AP 2790A Vol 6 Pt 1 ..	18 ft General Service Dinghy Mk 1
AP 2791A Vol 3 Pt 1 ..	50 ft Refuellers
AP 2791B Vol. 5 Pts 2, 3, 4, 5 and 14 ..	Refueller 50 ft Mk 2 with two Perkins S6M Engines (Paper and Card)
AP 2239B V2 Pt 3 ..	SU Dual Injection and Metering Equipment for Piston Engines
AP 4326B (2nd Ed.) V5 P1 B1 ..	Canberra B Mk 2
AP 4326B (2nd Ed.) V5 P1 B2 ..	Canberra B Mk 2
AP 4326B (2nd Ed.) V5 P1 B3 ..	Canberra B Mk 2
AP 4326B (2nd Ed.) V5 P1 B4 ..	Canberra B Mk 2
AP 4326B (2nd Ed.) V5 P2 B1 ..	Canberra B Mk 2
AP 4326B (2nd Ed.) V5 P2 B2 ..	Canberra B Mk 2
AP 4326B (2nd Ed.) V5 P3 ..	Canberra B Mk 2
AP 4326B (2nd Ed.) V5 P4 ..	Canberra B Mk 2
AP 4326B (2nd Ed.) V5 P6 ..	Canberra B Mk 2
AP 4326C (4th Ed.) V5 P1 B1 ..	Canberra PR3
AP 4326C (4th Ed.) V5 P1 B2 ..	Canberra PR3
AP 4326C (4th Ed.) V5 P1 B3 ..	Canberra PR3
AP 4326C (4th Ed.) V5 P1 B4 ..	Canberra PR3
AP 4326C (4th Ed.) V5 P2 B1 ..	Canberra PR3
AP 4326C (4th Ed.) V5 P2 B2 ..	Canberra PR3
AP 4326C (4th Ed.) V5 P3 ..	Canberra PR3
AP 4326C (4th Ed.) V5 P4 ..	Canberra PR3
AP 4326C (4th Ed.) V5 P6 ..	Canberra PR3
AP 4326D (3rd Ed.) V5 P1 B1 ..	Canberra T Mk 4
AP 4326D (3rd Ed.) V5 P1 B2 ..	Canberra T Mk 4
AP 4326D (3rd Ed.) V5 P1 B3 ..	Canberra T Mk 4
AP 4326D (3rd Ed.) V5 P1 B4 ..	Canberra T Mk 4
AP 4326D (3rd Ed.) V5 P2 B1 ..	Canberra T Mk 4
AP 4326D (3rd Ed.) V5 P2 B2 ..	Canberra T Mk 4
AP 4326D (3rd Ed.) V5 P3 ..	Canberra T Mk 4
AP 4326D (3rd Ed.) V5 P4 ..	Canberra T Mk 4
AP 4326D (3rd Ed.) V5 P6 ..	Canberra T Mk 4
AP 4326F (3rd Ed.) V5 P1 B1 ..	Canberra B Mk 6
AP 4326F (3rd Ed.) V5 P1 B2 ..	Canberra B Mk 6
AP 4326F (3rd Ed.) V5 P1 B3 ..	Canberra B Mk 6
AP 4326F (3rd Ed.) V5 P1 B4 ..	Canberra B Mk 6
AP 4326F (3rd Ed.) V5 P2 B1 ..	Canberra B Mk 6
AP 4326F (3rd Ed.) V5 P2 B2 ..	Canberra B Mk 6
AP 4326F (3rd Ed.) V5 P3 ..	Canberra B Mk 6
AP 4326F (3rd Ed.) V5 P4 ..	Canberra B Mk 6
AP 4326F (3rd Ed.) V5 P5 ..	Canberra B Mk 6
AP 4326F (3rd Ed.) V5 P6 ..	Canberra B Mk 6

## ANNEX D

## General

1. BR7000 Series—MOD(N) advise that publications in this series relate to equipment of particular design for the R.N. These publications are therefore of no use unless the equipment is held in the RAN in which case these books would have already been supplied. Generally these publications are of commercial origin and will be issued as TEM's within the RAN.

2. Amendment 4 to BR4586—Not supplied by MOD(N) OS(NPS) as it relates to equipment not held in Australia.

3. BR 2170(3)—This publication has not yet been printed.

## ANNEX E

## Publications Out of Stock

BR 2525 WP 88116/03 ..	..	ALO's Sight T274/T274A
BR 2525 WP 88308(09) ..	..	TIU Mk 5 and Maintenance Assembly
BR 2374 Adm 1 ..	..	H/B for A/S Mortar Mk 10 Projectile A/S Mk NC22

## ANNEX F

## Stock Replenished

ABR 5151 V1 ..	..	..	Manual of Naval Law
ABR 5151 V2 ..	..	..	Manual of Naval Law

(465/61/228)

(Navy Order 158/74 and 236/74)

## UNCLASSIFIED

### 353/75—Information Concerning and Distribution of Publications and Amendments Managed by Executive Officer Publications, Sydney—September 1975

1. The annexes list publications and amendments distributed, declared obsolete, superseded etc, during September 1975.

2. Allowances for ships and establishments, as distinct from gratuitous and repayment issues will be issued without demand by the Publications Authority, Garden Island, NSW, in accordance with an approved scale and automatic updating is provided.

3. Holders of basic publications are reminded that only those issues recorded on NAV-PUB will be updated without demand (Navy Order 158/74 refers).

4. Changes issued to publications held as advance copies or to publications not on general distribution are not reflected in Navy Orders.

## Gratuitous Issues

5. Where it has been decided that a gratuitous or personal issue of a publication will be made, a Navy Order detailing the basis of issue and the personnel concerned, and instructing ships and establishments to obtain their requirements, for this purpose, through their Supply Officer will be promulgated.

6. Supply Officers should place demands on the Publications Authority, Garden Island, NSW, for the total number of copies required in their respective ship or establishment, on Form SO150 (Navy Order 236/74 refers), stating the reason for the requirement and quoting the relevant Navy Order. The publications are to be accounted for by the Supply Officer in accordance with ABR 4, Article 1301 and Article 2512.

7. Automatic updating is not provided for copies of publications on gratuitous issue and demands for updating should be placed on the Publications Authority, Garden Island, NSW, upon notification of its availability in Navy Orders. Form SX40 should be used for demanding changes and the form should clearly state 'Required for amending Personal Issue Copies'.

#### Repayment Issues

8. If it has been approved that a publication should be made available from departmental stocks, for sale to certain categories of personnel, a Navy Order will be promulgated detailing the basis of issue and the rate to be charged to personnel concerned.

9. Supply Officers should place demands on the Publications Authority, Garden Island, NSW, for the copies required, on Form SO150 quoting the reason for requirement and the relevant Navy Order. The publications are to be accounted for by the Supply Officer in accordance with ABR 4 Chapters 13 and 25.

10. Automatic updating is not provided for copies of publications issued on repayment, and demands for updating should be placed on the Publications Authority, Garden Island, NSW, upon notification of its availability. Again, Form SX40 should be used for demanding these changes and the form should clearly state 'Required for amending Repayment Issue Copies'.

11. Issues etc of periodicals and magazines are not included in monthly Navy Orders.

12. The publications declared obsolete in Annex C are to be disposed of in accordance with ABR 4 Article 2514(3). These publications will be deleted from NAVPUB records and no further updating will be supplied.

### ANNEX A

#### Initial Issue of Basic Publications to Approved Holders

Publication No	Title	Edition
AP RAN 8 V1 B9	Weight Sheet Summary Wessex Aircraft Mk 31B	75
AP RAN 19 V1 B3	Weight Sheet Summary ULT-1B	75
AP RAN 85 V1 V3 I2	Handbook Overhaul Instructions with Parts Breakdown for Aircraft Navigational Rotating Warning Light	75
AP RAN 301-1	Sea King Gnome H1400 in Service Repair Manual	70
AP RAN 301-3	Sea King Gnome H1400 Illustrated Parts Catalogue	69
AP RAN 500 V1 B1	Weight Sheet Summary A46	75
AP RAN 2207	Capacitance Type Liquid Qty Sys Test Set Model TF20 Operation and Service Manual	74
AP RAN 2208	Capacitance Type Liquid Qty Sys Test Set (IPB) Illustrated Parts Breakdown	74
BR 2525 WP 88207/04	GWS 1 AC/AC Power Unit Type 4439	75
BR 2525 WP 88308/09	Target Indication Unit Mk 5 and Maintenance Assy	74
ML 136	International Health Regulations (2nd Annotated Ed)	—
ML 139	Prescriptions Proprieties Guide for Doctors and Chemists	75
NAVSUP 2002	Navy Stock List of Publications and Forms (Microfiche)	75(Aug)
NA 01-1A-509	Corrosion Control in Aircraft	75
NA 01-40AV75-1A2	Weapons Checklist A-4 Aircraft Release Control System Missiles	75
NA 01-85SD-75-2	S-2D/E GP Bombs Conventional Weapons	73

#### ANNEX A—continued

Publication No	Title	Edition
NA 01-85SD-75-16	Practice Bombs	75
NA 03-5AA-126	Voltage Regulator	75
NA 03-5CGA-11	(Douglas) Ovhl W/PB Actuator Assy Spoiler Pt 3822495-1	75
NA 11-95-2	20 mm Aircraft Gun Mk 12 MOD 0	75
NA 17-15BAD-1	Storage Batteries Naval Aircraft Instructions and Maintenance	75
PIL 001-951872	500 KW Steam Turbo Generator (Prime Mover)	—
TEM-5845-0003	Mk 1B Side Scan Sonar System Instruction Manual TM73-241B	75
UW 54D/31	Spares List for SSE Mk 4 MOD 1B	—
UW 54D/42	Spares List for SSE Mk 2	—
WAP 105B-W017-13A6	Sea King Dual Input Servovalve Pt No 10-129A	74
WAP 105B-W018-13A6	Sea King Dual Input Servovalve Pt No 10-130A	74
WAP 105B-W019-13A6	Sea King Dual Input Servovalve Pt No 10-131A	74
WAP 110T-0501-13A	Sea King Test Rig No 5 Mk 1 and 2—Fuzing Units	70
WAP 112G-0002-1	Sea King Airspeed Indicators Calibration Formulae Errors and Corrections	73
WAP 112G-0602-1	Sea King Thermocouples	73
WAP 112T-01179-13A	Sea King Sensors Test Set Complete General Information and IPC	74
WAP 112T-01198-1	Sea King Test Set (Kollsman) Synchro PN L80080-10-05 6C/4784	73
WAP 112T-01199-13A	Sea King Test Set GM Mk 7B 6C-4571 PNO 208501-0100	—
WAP 112T-01234-1	Sea King Test Set Digital Data Coder 5841-99-970-8117 General Information	—
WAP 112T-01570-13A	Sea King Altitude Indicator Test Set	—
WAP 112T-01571-13A	Sea King AFCS Mk 31 Controllers Adaptor Kit General Information and IPC	74
WAP 112T-01582-1	Sea King Precise Heading Test Set	69
WAP 112T-01593-1	Sea King Control Units Test Set Ref GC/2375 PN1598 and Hover Indicator Adaptor Ref No 6C/1995521	73
WAP 113E-W0136-13A6	Sea King Actuator Flight Idle, Stop, AE4554 Mk 1 and 2 Rotary Actuator	68
WAP 113E-W0253-13A6	Sea King Rotary Actuator Type AE4560 Mk 1 and AE4562 Mk 1	68
WAP 116B-0208-1D607	Sea King Radar Altimeter Test Set P No UG1984B1 Oper Service and IPB Honeywell Radar Altimeter (AN/APN 171(V))	74
WAP 116B-0208-603	Sea King Receiver Module P/N962517-1 Repair and Ovhl W/IPB Honeywell Radar Altimeter (AN/APN171(V))	74
WAP 116B-0208-604	Sea King Transmitter Model P/N962578-1 Repair and Ovhl W/IPB Honeywell Radar Altimeter (AN/APN171(V))	74
WAP 116D-W0114-13A	Sea King Ultra Electronic Pub IM251 UHF719	74
WAP 116N-0101-2	Sea King ARI 23099/4/5/6 Mod Leaflets	—
WAP 116N-W0102-13A6	Sea King Ground Control Crew Jack Box Type (UA6075W)	74
WAP 116N-W0103-13A6	Sea King Ground Crew Amplifier Box Type UA6070 UA6071	67
WAP 116N-W0105-13A6	Sea King Instruction Manual for Distribution Box Type UA6007	75
WAP 119F-0009-1	Sea King High Pressure Type Inflator Mk 1	—
WAP 119F-2305-1	Sea King Can Fluid Replenishing, Pressurised, Mk 2	71

## ANNEX B

## Amendments Issued to Approved Holders of Publications

Publication No	Amendment/Change
AAP-ABO-SA .. .. .	A31
AAP-ABO-SE .. .. .	Iss. 904, Iss. 905, E79, E80, E81, E82, E83, E84, E85, E86, E87, Iss. 906
AAP-ABO-SF .. .. .	F61, F62, F63, F64
AAP-ABO-SH .. .. .	H19
AAP-ABO-SN .. .. .	N13/75, N14-16, N17/75, N18/75
AAP-ABO-ST .. .. .	T48
AAP 382 E5 .. .. .	5
AAP 997-106 .. .. .	10
AAP 1130 .. .. .	4
AAP 7000.002-1 B1 .. .. .	SCPO 13/75, SCPO 14/75, SCPO 15/75
AAP 7001.006-1 .. .. .	23
AAP 7210.006-6-7 .. .. .	6
AAP 7210.010-1 .. .. .	2
AAP 7210.010-3 .. .. .	2
AAP 7210.010-7-1 .. .. .	9
AAP 7210-012-6-6P .. .. .	9
AAP 7211.005-100 .. .. .	131
AAP 7211.006-99 .. .. .	58
AAP 7211.006-100 .. .. .	291
AAP 7211.015-1-4 .. .. .	12
AAP 7212.001-1 .. .. .	56
AAP 7212.001-2-1 .. .. .	36, 37, 38
AAP 7212.001-100 .. .. .	238, 239, 240
AAP 7225.002-3M .. .. .	9
AAP 7272.085-3 .. .. .	4
AAP 7301.001-3 .. .. .	15
AAP 7431.043-3M .. .. .	4
AAP 7434.068-3M .. .. .	8
AAP 7453.024-3 .. .. .	6
AAP 7513.021-3M .. .. .	3
AAP 7521.003-3M .. .. .	15
AAP 7531.037-3M .. .. .	4
AAP 7531.093-3M .. .. .	5
AAP 7831.022-4M-1 .. .. .	1
ABR 4 .. .. .	ICH 0024
ABR 2374 V1 V2 V3 .. .. .	2
ABR 5112(2B) APPX 1 .. .. .	5
ABR 5112(2B) APPX 2 .. .. .	4
ABR 5112(5D) .. .. .	4
ABR 5153 .. .. .	1
AP RAN 8 V1 B1 .. .. .	AIL 52, AIL 53, 203, 204
AP RAN 8 V1 B2 .. .. .	85
AP RAN 8 V1 B4 .. .. .	AIL 011
AP RAN 8 V2 B1 B2 B3 .. .. .	AIL 309, AIL 310
AP RAN 8 V5 .. .. .	84, 85
AP RAN 8 V6 P1 .. .. .	AIL 19, 57
AP RAN 8 V6 P2 .. .. .	90
AP RAN 8B V4 P1 .. .. .	10

## ANNEX B—continued

Publication No	Amendment/Change
AP RAN 9AB V2 .. .. .	AIL 58, TL 90, TL 104
AP RAN 19 V1 B2 .. .. .	35
AP RAN 19 V2 B1 B2 I2 .. .. .	116, 117, 118
AP RAN 19 V4 P1 .. .. .	121
AP RAN 19 V5 P1 P2 P3 .. .. .	46, 47
AP RAN 30 V1 V3 V6 I2 .. .. .	9
AP RAN 78 .. .. .	5
AP RAN 81 .. .. .	2
AP RAN 100 V1 P3 .. .. .	18
AP RAN 100 V1 P7 .. .. .	55, 56
AP RAN 100 V1 P8 .. .. .	51
AP RAN 100 V1 P10 .. .. .	26
AP RAN 100 V1 P13 .. .. .	4
AP RAN 100 V1 P17 .. .. .	27
AP RAN 100 V2 P6 .. .. .	49
AP RAN 100 V2 P8 .. .. .	104
AP RAN 100 V2 P9 .. .. .	68
AP RAN 100 V2 P12 .. .. .	28
AP RAN 102 I3 .. .. .	11
AP RAN 300 V1 .. .. .	4
AP RAN 300-1-1 .. .. .	2
AP RAN 300-1-4-1 .. .. .	20
AP RAN 300-1-4.2 .. .. .	021
AP RAN 300-1-5 .. .. .	15
AP RAN 300-1-6 .. .. .	6
AP RAN 300-1-9.1 .. .. .	5
AP RAN 300-2-1 .. .. .	WSK 88-2, WSK 90-1, WSK 94-1, WSK 98-1, WSK 101-1, WSK 102-1, WSK 103-1, WSK 104-1, WSK 105-1, WSK 106-1, WSK 107-1, WSK 109-1
AP RAN 300-3-7 .. .. .	1
AP RAN 300-5-2 .. .. .	3
AP RAN 300-5-2-1 .. .. .	2, AIL 1/75
AP RAN 300-6-1 .. .. .	8
AP RAN 300-6-2 .. .. .	15, 16
AP RAN 300-8-1 .. .. .	11
AP RAN 301-2-2 .. .. .	REV 22, REV 27, REV 28
AP RAN 301-3 .. .. .	9
AP RAN 500 V2 P1 .. .. .	270, 272
AP RAN 500 V2 P2 .. .. .	101, 102
AP RAN 500 V5 P1 S2 I2 .. .. .	9
AP RAN 502 V5 P1 P2 P3 .. .. .	72, 75, 76
AP RAN 600 V2 P2 I2 .. .. .	72, 73, 74, 136
AP RAN 600 V5 .. .. .	93
AP 100Z-0201 .. .. .	CL 6/75
AP 101C-0401-1A .. .. .	66
AP 102C-0708-1 .. .. .	23
AP 104F-1004-16 .. .. .	RAN 002
AP 108D-0100-5FN .. .. .	RAN 004
AP 108E-0001-5FN .. .. .	RAN 003
AP 108E-0005-1 .. .. .	RAN 001

ANNEX B—continued

Publication No	Amendment/Change
AP 108E-0101-6	2
AP 108F-0001-4FN	RAN 001
AP 108F-0904-12	12, 13
AP 110D-0402-125F	4
AP 110G-0116-125F	11
AP 110L-0105-1	3
AP 110N-0404-12	3
AP 112G-0602-1	16
AP 113 B2 E12 ..	41
AP 113 B4 E12 ..	82, 83
AP 113E-0413-6	2
AP 116D-0102-2	153, 154, 155, 156, 157, 158, 159, 160, 161
AP 119F-2309-16	2
AP 1803 V2 P1 ..	V36, AL1
AP 1803D V1 B1	104
AP 1803D V1 B4	140
AP 4340 V1 B2	129
AP 4343A(N) V3 P1	19
AP 4343B V3 P1(N)	35
AP 4343C V1 ..	154
AP 4343E V3 P1(N)	18
AP 4343K V3 P1(N)	9
AVP 32	12
AVP 84	A205
BR 31	ERR 021
BR 2351	ADD-ARAN
JSP(AS) 101	2
JSP 201	15, 16, 17
MBR 8868	CORR 8/75
MISCPUB 0032	TL 037
NA 00-35QB-185	3
NA 01-40AVC-2-1	RAN 006
NA 01-40AVC-2-2	RAN 016
NA 01-40AVC-4-3	RAN 001
NA 01-40AVD-1B	IMC 018
NA 01-40AVD-4-3	RAN 003
NA 01-85SAD-1	RAN 011
NA 01-85SAD-2-5	RAN 002
NA 01-85SAD-2-10	RAN 003
NA 01-85SAD-2-11	RAN 001
NA 01-85SAD-18	RAN 003
NA 02-10DAA-6-1	1
NA 03-5AA-125	3
NA 03-5AS-9 ..	3
NA 03-5AS-10	1
NA 03-100F-531	RAN 001
NA 11-85-5	5
NA 13-1-6-5	RAN 002
NA 15-02-500	RAC 001
NA 16-35 CV2068-1	RAN 007
NA 16-35 SM412-1	RAN 001

ANNEX B—continued

Publication No	Amendment/Change
NA 16-35 OA4351-1	RAN 005
NA 16-45-865 ..	1
NA 19-45-10 ..	RAN 003
NS 0967-041-0040	8
RANMO/GEN/1	26
TEM-4310-0002	REV 2
TEM-5985-0004	ADDM
TM-PT-4114R1	RAN 002
TSD 594	TL 185, TL 186
WAP 105B-W002-13A6	2
WAP 105B-1413-13A6	4
WAP 105B-1711-13A	5
WAP 105B-07173-13A6	4
WAP 106D-4405-1	2
WAP 107C-0235-13A	3
WAP 107C-0236-13A	2
WAP 107E-W0401-13A6	1
WAP 110G-0302-15F	3
WAP 110G-0304-125	13
WAP 110G-0309-125	10, 11, 12, 13
WAP 110N-0102-1	2
WAP 112B-0308-13A6	11
WAP 112B-0309-13A	10
WAP 112G-0409-13A	5
WAP 112G-0563-13A	7
WAP 114E-0100-2	95
WAP 116N-0101-2	110, 111, 113, 114, 115, 116, 117, 118

ANNEX C

Publications Declared Obsolete or Superseded

Publication Number	Title	Remarks
E List E1210	W/T Outfit Type 629	Obsolete
ABR 5070	Promotion and Training Instructions for the PNG Division of the RAN	Obsolete

ANNEX D

Publications Out of Stock

Publication Number	Title	Remarks
BR 2944	H/Bk for Aerial Outfit AKU (1) and (2)	—
BR 3222	Operation of Main Propulsion Machinery Y160 Leander Class Frigate	—

(465/61/228)

(Navy Order 158/74 and 236/74)

## UNCLASSIFIED

### 354/75—Information Concerning and Distribution of Publications and Amendments Managed by Executive Officer Publications, Sydney—October 1975

1. The annexes list publications and amendments distributed, declared obsolete, superseded etc during October, 1975.

2. Allowances for ships and establishments, as distinct from gratuitous and repayment issues will be issued without demand by the Publications Authority, Garden Island, NSW, in accordance with an approved scale and automatic updating is provided.

3. Holders of basic publications are reminded that only those issues recorded on NAV-PUB will be updated without demand (Navy Order 158/74 refers).

4. Changes issued to publications held as advance copies or to publications not on general distribution are not reflected in Navy Orders.

#### Gratuitous Issues

5. Where it has been decided that a gratuitous or personal issue of a publication will be made, a Navy Order detailing the basis of issue and the personnel concerned, and instructing ships and establishments to obtain their requirements, for this purpose, through their Supply Officer will be promulgated.

6. Supply Officers should place demands on the Publications Authority, Garden Island, NSW, for the total number of copies required in their respective ship or establishment, on Form SO150 (Navy Order 236/74 refers), stating the reason for the requirement and quoting the relevant Navy Order. The publications are to be accounted for by the Supply Officer in accordance with ABR 4, Article 1301 and Article 2512.

7. Automatic updating is not provided for copies of publications on gratuitous issue and demands for updating should be placed on the Publications Authority, Garden Island, NSW, upon notification of its availability in Navy Orders. Form SX140 should be used for demanding changes and the form should clearly state 'Required for amending Personal Issue Copies'.

#### Repayment Issues

8. If it has been approved that a publication should be made available from Departmental stocks, for sale to certain categories of personnel, a Navy Order will be promulgated detailing the basis of issue and the rate to be charged to personnel concerned.

9. Supply Officers should place demands on the Publications Authority, Garden Island, NSW, for the copies required, on Form SO150 quoting the reason for requirement and the relevant Navy Order. The publications are to be accounted for by the Supply Officer in accordance with ABR 4 Chapters 13 and 25.

10. Automatic updating is not provided for copies of publications issued on repayment, and demands for updating should be placed on the Publications Authority, Garden Island, NSW, upon notification of its availability. Again, Form SX40 should be used for demanding these changes and the form should clearly state 'Required for amending Repayment Issue Copies'.

11. Issues etc of periodicals and magazines are not included in monthly Navy Orders.

12. The publications declared obsolete in Annex C are to be disposed of in accordance with ABR 4 Article 2514(3). These publications will be deleted from NAVPUB records and no further updating will be supplied.

## ANNEX A

## Initial Issue of Basic Publications to Approved Holders

Publication No	Title	Edition
AAP 7000-002-1 B1	Index to Technical AAP's and Associated Technical Data	75
AAP 7000.002-2 2B	Index to Technical AAP's and Associated Technical Data	75
ABR 5180	Australian Submarine Search and Rescue Instructions (Austsub)	75
ABR 5203	Caterpillar 3160 Engines fitted to 26 ft Harbour Personnel Boat	75
APRAN 97 V1-6	Aircrew Personnel Protective Equipment	—
BR 60	Royal Navy Reserve Regulations	71
BR 320E	Catalogue of Security Classified Electronic Equipment	74
BR 320F V3	List of Superseded and Rereferenced Naval Stores	75
BR 2525 WP88205/01	GWS Mk 2 Warm up and Firing System Mk 2 MOD 0	75
BR 2806	Diving Manual	72
BR 6512(201)	12 Group and 6 Group Minerva Fire Detection Units VCS Units Type 225 and 256	73
ELIST-U260	Hull Outfit 17 Series	74
ELIST-U264	Sonar Hull Outfit 15	74
JSP(AS) 570	Communications Security Monitoring	75
JSP(AS) 702	Joint Services Manual of Immunisation Procedure	75
NAVSUP 476	Navy Food Service	69
NA 01-1A-16	Non-destructive Inspection Methods	—
NA 03-10-608	Windshield Wiper System Components Hydraulic Alco Overhaul Instructions	63
NA 05-45SK-534	Indicator, Remote Altitude (Lear) Overhaul Instructions	74
NA 11-75A-57-2	Rocket Launchers Assy Ter Preloading Checklist Conventional Weapons	71
NA 16-30AQM19-1	Test Set Recorder AN/AQM-19 Bendix Corp Operation and Maintenance Instructions	72
NA 16-30AQS-13-12	Ranging Set Sonar Detecting	72
NA 0967-56-2080	Radar Set AN/SP-4001C W/changes 1-2TC 1-5	—
NS 0967-56-2210	H/Bk AN SPS-40 Radar	65
OP 2890	Torpedo Mk 44 MOD 1 Description, Operation and Maintenance (U)	—
PIL 001-508502	British ARCA Regulators Control Valves (Pt of PIL 001-508005)	—
PIL 001-957660	British ARCA Regulators Control Valves (Pt of PIL 001-508005)	—
PIL 001-957661	British ARCA Regulators Control Valves (Pt of PIL 001-508005)	—
PIL 001-957662	British ARCA Regulators Control Valves (Pt of PIL 001-508005)	—
PIL 001-957663	British ARCA Regulators Control Valves (Pt of PIL 001-508005)	—
PIL 001-957664	British ARCA Regulators Control Valves (Pt of PIL 001-508005)	—
PIL 001-970238	British ARCA Regulators Control Valves (Pt of PIL 001-508005)	—
PIL 001-970239	British ARCA Regulators Control Valves (Pt of PIL 001-508005)	—
PIL 001-970240	British ARCA Regulators Control Valves (Pt of PIL 001-508005)	—
PIL 001-970241	British ARCA Regulators Control Valves	—
PIL 001-970568	British ARCA Regulators Control Valves (Pt of PIL 001-508005)	—

## ANNEX A—continued

Publication No	Title	Edition
PIL 001-996358	British ARCA Regulators Control Valves (Pt of PIL 001-508005)	—
PIL 001-998851	British ARCA Regulators Control Valves (Pt of PIL 001-508005) Valve $\frac{3}{4}$ " Bore Reducing	—
PIL 001-998852	British ARCA Regulators Control Valves (Pt of PIL 001-508005) Regulator 2" Bore Reducing	—
PIL 001-998853	British ARCA Regulators Control Valves (Pt of PIL 001-508005) Regulators Reducing 5"	—
PIL 001-998854	British ARCA Regulators Control Valves (Pt of PIL 001-508005) Valve 8" Bore Rejection	—
PIL 001-998855	British ARCA Regulators Control Valves (Pt of PIL 001-508005) Valve $\frac{3}{4}$ " Bore Supplementary	—
PIL 001-998856	British ARCA Regulators Control Valves (Pt of PIL 001-508005) Regulator $\frac{3}{4}$ " FFO Temperature	—
PIL 001-999009	British ARCA Regulators Control Valves (Pt of PIL 001-508005)	—
PIL 001-999812	British ARCA Regulators Control Valves (Pt of PIL 001-508005) Regulator 3" Temperature Boiler Washing Machine	—
PIL 001-999813	British ARCA Regulators Control Valves (Pt of PIL 001-508005) Pump set oil 300 GPIT British ARCA	—
TEM 2815-0001	Caterpillar Marine Diesel Engine MOD 3160 Instruction Bks Comprising: Wiring Diagrams, Special Instructions, Operation and Maintenance Schedules and IPC	67
TEM 3510-0001	Instruction Manual Major 12/20 Steam Tumble Dryers	—
TEM 3950-0001	Sea Mac Winch Instruction Manual	—
TEM 5820-0003	RA217 HF Communications Receiver Vol 1 (was MBR 9082)	75
TEM 5820-0007	H/Bk F573 for Portable HF-SSB Transceiver Patrol Craft (was MBR 9083)	—
TEM 5820-0008	H/Bk F574 for Portable HF-SSB Transceiver Patrol Craft (was MBR 9084)	—
TEM 5820-0009	EMEI G502 Radio Set AN/PRC-41 Technical Description	—
TEM 5820-0010	EMEI H502 Receiver-Transmitter Radio RT-524/VRC Technical Description	—
TEM 5820-0011	EMEI H504 Receiver-Transmitter Radio RT-524 Field and Base Repair	—
TEM 5820-0012	H/Bk K564 for Portable HF-SSB Transceiver Patrol Craft (was MBR 9094)	—
TEM 5820-0013	H/Bk F572 for Portable HF-SSB Transceiver Patrol Craft (was MBR 9087)	—
TEM 5820-0014	H/Bk K574 for Portable HF-SSB Transceiver Patrol Craft (was MBR 9089)	—
TEM 5820-0015	H/Bk K573 for Portable HF-SSB Transceiver Patrol Craft (was MBR 9088)	—
TEM 5820-0016	EMEI Regulator Battery Charger F1-K562 used on R/T Radio RT/F1/PRC	—
TEM 6625-0032	Systron Donner Instruction Manual Model 410 Sweep/Function Generator	—
WAP 105B-1530-13A6	Sea King—Hydraulic Motor, Vickers Sperry Rand Type MF69-3906-30BC-5701 Repair and IPC	73
WAP 117M-0101-1	Sea King—Test Set 15056, 15056A General Information UHF Equipment	74
WAP 120N-0114-13A	Sea King—Tester Hoist Shear Circuit Pt 1016 Rocket Power	69

## ANNEX B

## Amendments Issued to Approved Holders of Publications

Publication No	Amendment/Change
AAP-ABO-SA .. .. .	A32
AAP-ABO-SE .. .. .	E88, E89, E90, E91, Iss 907
AAP-ABO-SF .. .. .	F65, F66
AAP-ABO-ST .. .. .	T49, T50
AAP 7000.002-1 B1 .. .. .	SCPO 1675, SCPO 1775, SCPO 1875
AAP 7113.013-2 .. .. .	12, 11
AAP 7211.015-4-1 .. .. .	7
AAP 7212.001-100 .. .. .	RAN 3
AAP 7276.158-3M .. .. .	7, 4, 5, 6
AAP 7397.006-2 .. .. .	3
AAP 7434.068-3M .. .. .	7
AAP 7442.032-3M .. .. .	5
AAP 7482.012-3 .. .. .	4, 5
AAP 7512.006-3M .. .. .	6
AAP 7831.022-3-1 .. .. .	7
AAP 7832.021-3M-3 .. .. .	1
AAP 7842.012-3 .. .. .	3
AAP 7842.021-2M .. .. .	3
AP RAN 8 Crew Notes .. .. .	AIL 23
AP RAN 8 V1 B1 .. .. .	AIL 54, AIL 55
AP RAN 8 V1 B2 .. .. .	AIL 35, AIL 36
AP RAN 8 V1 B3 .. .. .	AIL 30
AP RAN 8 V5 .. .. .	86
AP RAN 19 V1 P1 P2 P3 .. .. .	48
AP RAN 63 V2 .. .. .	41, 42, 43, 44, 45
AP RAN 100 V1 P1 .. .. .	4
AP RAN 100 V1 P7 .. .. .	57
AP RAN 100 V1 P9 .. .. .	15
AP RAN 100 V1 P10 .. .. .	27
AP RAN 100 V1 P16 .. .. .	9
AP RAN 100 V1 P17 .. .. .	28
AP RAN 100 V2 P2 .. .. .	29
AP RAN 100 V2 P3 .. .. .	62
AP RAN 100 V2 P7 .. .. .	132, 133, 134, 138, 140
AP RAN 100 V2 P9 .. .. .	66
AP RAN 100 V2 P10 .. .. .	88, 92, 93
AP RAN 100 V2 P11 .. .. .	66
AP RAN 100 V2 P19 .. .. .	1
AP RAN 140E3 .. .. .	31
AP RAN 300-2-1 .. .. .	WSK 92-2, A/AIL 2, Index-S/Bulletins
AP RAN 301-2-2 .. .. .	REV 30
AP RAN 500 V2 P1 .. .. .	269, 275, 276
AP RAN 500 V2 P2 .. .. .	103
AP RAN 500 V5 .. .. .	77
AP RAN 600 V4 P2 .. .. .	16
AP RAN 600 V5 .. .. .	94
AP RAN 2096 .. .. .	TS 065
ABR 1991 .. .. .	ERR 10

## ANNEX B—continued

Publication No	Amendment/Change
ABR 5016 V1 .. .. .	38
ABR 5101 .. .. .	1
ABR 5112(2C) .. .. .	4
ABR 5113 SUP .. .. .	2
ABR 5143 .. .. .	1
ABR 5168 .. .. .	6
ABR 5196 .. .. .	1
AP 100Z-0201 .. .. .	CL 7/75
AP 108E-0030-1 .. .. .	4
AP 108E-0101-12 .. .. .	11
AP 108E-0201-6 .. .. .	2
AP 108G-0001-5FN .. .. .	RAN 2
AP 110F-0101-125 .. .. .	11
AP 110N-0102-1 .. .. .	3
AP 112G-0102-1 .. .. .	26
AP 112G-1220-13A6 .. .. .	3
AP 113L-0101-13A6 .. .. .	4
AP 116D-0102-2 .. .. .	162
AP 116D-0102-6A .. .. .	34
AP 118B-1101-3A .. .. .	6
AP 1464G V1 .. .. .	217
AP 1803D V1 B2 .. .. .	73
AP 1803D V2 P1 .. .. .	B93, V147, S106-AL1, S107, S108, S109
AP 3275A .. .. .	40
AP 4343 V1 B1 .. .. .	56
AP 4343D V3 P1 (N) .. .. .	31
AVP 84 .. .. .	E001-AL 1
BR 1 .. .. .	ADD 1, ADD 2, ADD 3
BR 125 .. .. .	N/ENT 10, SUP 16
BR 320A .. .. .	ANX-B
BR 320D Electric .. .. .	GCO 553, GCO-SUP 561, GCO 565, GCO 573, GCO 582, GCO 617, GCO 618, GCO 619, GCO 622, GCO 638, GCO 657, GCO 672, GCO 675
BR 320D General .. .. .	GCO 212, GCO 218, GCO 257, GCO 259, GCO 267, GCO 330, GCO 412, GCO 461, GCO 473, GCO 481
BR 320D Weapon .. .. .	GCO 837, GCO 867, GCO 869, GCO 880, GCO 881
BR 320E .. .. .	SUP May 75, SUP Nov 74
BR 320F V3 .. .. .	SUP Apr 75, SUP May 75
BR 667 .. .. .	CUM-SUP, SUP 3, SUP 4, SUP 5, SUP 6, SUP 7
BR 928 .. .. .	RAN 1
BR 1136 .. .. .	RAN 1
BR 2242 .. .. .	RAN-SUP
BR 2544 (3) (B) (1) .. .. .	RAN 1
BR 3001 .. .. .	RAN 1
BR 3327 .. .. .	RAN 2
DFM 1000 .. .. .	1

## ANNEX B—continued

Publication No	Amendment/Change
DOD 5105-38-D .. .. .	6
JSP 201 .. .. .	18
JSP 324 .. .. .	3
MBR 8896 .. .. .	1
MBR 9835 V2 I2 .. .. .	RAN 2
MBR 10696 .. .. .	74, 75, 77
NAVSUP 1 V2 .. .. .	86
NAVSUP 467 .. .. .	2
NAVSUP 4100 .. .. .	01 JULY 75
NA 01-40AVC-2-4 .. .. .	9
NA 01-40AVC-3 .. .. .	750530
NA 01-40AVC-6-3 .. .. .	RAC 21
NA 01-40AVD-2-2-2 .. .. .	RAN 12
NA 01-40AVD-2-4-2 .. .. .	1
NA 01-85SAD-1B .. .. .	RAN 4
NA 01-85SAD-2-2 .. .. .	RAN 2
NA 01-85SAD-2-5 .. .. .	RAN 3
NA 01-85SAD-2-9 .. .. .	RAN 2
NA 03-5FBA-3 .. .. .	2
NA 03-5FBS-3 .. .. .	RAN 1
NA 03-25EA-20 .. .. .	RAN 2
NA 03-25EA-502 .. .. .	RAN 2
NA 03-25EE-24 .. .. .	RAN 1
NA 03-25GAC-4 .. .. .	RAN 1
NA 03-70FA-13 .. .. .	RAN 1
NA 03-80HS-21 .. .. .	RAN 1
NA 05-20XAB-11 .. .. .	1, 2
NA 11-70FFD-3 .. .. .	RAN 2
NA 13-1-6-2 .. .. .	RAN 1
NA 13-1-6-3 .. .. .	RAN 4
NS 349-0604 .. .. .	RAN 1
NS 0905-013-4020 .. .. .	2
NS 0967-056-2050 .. .. .	TCH 003
NS 0967-205-1020 .. .. .	ICH 5
NS 0967-232-5060 .. .. .	1
NS 0967-232-5070 .. .. .	1
NS 94209 UK ADDM .. .. .	9
OP 2665P/SV 3 P1 .. .. .	10
WAP 110G-0309-125 .. .. .	14
WAP 116N-0101-2 .. .. .	112

ANNEX C

Publications Declared Obsolete or Superseded

Publication No	Title	Remarks
ABR 5019 .. ..	RAN Explanatory Notes on Pay and Entitlement	Obsolete
AP 4303Z Vol 1 and 6 .. ..	Aircraft Pneumatic Equipment Miscellaneous	Obsolete
AP 4511 Vol 1 and 6 Bk 1 .. ..	—	Obsolete
AP 4511 Vol 1 and 6 Bk 2 .. ..	—	Obsolete
MBR 9207 .. ..	Driver Training Manual .. ..	Superseded by MISC PUB 0045 (465/61/228)

(Navy Order 158/74 and 236/74)

UNCLASSIFIED

355/75—Allowances of Publications for Patrol Boats and Operating and Maintenance Bases

Navy Order 54/75 is to be amended as follows:

Annex A, Part 1—Insert the following publications:

TEM 2815-0006 .. ..	Lombardini—Powered Emergency Fire Pump Maintenance and Spare Parts Manual	
TEM 4320-0004 .. ..	Alloy Craft Alpha Pump Maintenance and Spares List	(465/61/228)

(Navy Order 54/75)



ARTICLE 1

Section 1. The name of the corporation shall be the *State of New York*.

Section 2. The purpose of the corporation shall be to *maintain and improve the public health, safety and morals of the State of New York.*

Section 3. The corporation shall have the power to *do all things necessary and proper to carry out its purposes.*

ARTICLE 2

Section 1. The corporation shall have the right to *acquire, hold, lease, convey, mortgage, and otherwise dispose of real and personal property.*

ARTICLE 3

Section 1. The corporation shall have the right to *contract with any person or corporation.*

Section 2. The corporation shall have the right to *employ and discharge any person or corporation.*

Section 3. The corporation shall have the right to *execute any instrument necessary to carry out its purposes.*

Historian:  
Victoria Barracks  
Melbourne

ANOs 356/75-361/75



# AUSTRALIAN NAVY ORDERS

## SECTION 1—ADMINISTRATIVE AND GENERAL

150/75 (Ship Control) The Rules and Regulations for the Control of Ships at Sea.

151/75 Technical Authority for the Work and Repair of HMA Ships and Naval Craft—Definition and Responsibilities.

Navy Office, Canberra,  
22 December 1975.

## SECTION 2—PROMULGATION

152/75 (NAV SUPPLY) The Rules and Regulations for the Issue and Control of Naval Stores.

The enclosed orders are promulgated for information, guidance and necessary action.

153/75 (NAV SUPPLY) The Rules and Regulations for the Issue and Control of Naval Stores—Amendments.

By direction of the Naval Board.

## AMENDMENTS

154/75 (NAV SUPPLY) The Rules and Regulations for the Issue and Control of Naval Stores—Policy.

*Sheppard*

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

Additional copies of Navy Orders may be readily obtained by:

- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 4718.

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

356/75—Ships (General) Hull Outfits and Logs—Responsibility for Raising and Lowering.

1. This Order may be issued to all ships and craft of the Royal Australian Navy, including HMA ships, and to all personnel serving on board.

2. Responsibility for the condition of a ship or outfit of a ship, including the raising and lowering of the ship or outfit, shall be the responsibility of the Commanding Officer of the ship or outfit, as the case may be.

CONTENTS

No Title

SECTION 1—ADMINISTRATIVE AND GENERAL

356/75 Ships (General) Hull Outfits and Logs—Responsibility for Raising and Lowering.

357/75 Technical Authority for the Refit and Repair of HMA Ships and Support Craft—Definition and Responsibilities.

SECTION 2—PERSONNEL

358/75 RAN Relief Trust Fund Financial Statement for the Year Ended 31 December 1974.

359/75 Program of Educational Tests for 1976.

360/75 ABR 19 RAN Painting Manual—Deletion of Phosphoric Acid Pretreatment.

UNCLASSIFIED

AMENDMENTS

361/75 Deck Coverings in HMA Ships and Submarines—Policy.

Introduction

1. The refit and repair of HMA ships and support craft require to be supervised by a Technical Authority. This Authority will be the appropriate authority as determined in Paragraph 2. The Technical Authority is responsible for the supply of materials and labour and for the condition of the ship or outfit at the time of refit or repair.

Composition of Technical Authority for HMA Ships and Craft

2. The following Technical Authority is appointed for all ships and craft:

- a. CAPTAIN HMA Ship HMASHEPHERD, STIPLEY, SEALWART, DOG, MARINA, YONGE, KANGAROO, MCMURDO, LORRAINE, HMA Ship HMASHEPHERD, FLINDERS, KIMELA, DOUGHERTY, AS support craft, and
- b. CAPTAIN HMA Ship HMASANTONIA, COOK, EAMEL and HAD.

## Section 1

## ADMINISTRATIVE AND GENERAL

## UNCLASSIFIED

**356/75—Ships (General) Hull Outfits and Logs—Responsibility for Raising and Lowering**

1. Damage can be caused to hull outfits and logs if left lowered when entering shallow water, entering or leaving harbour, shifting berth or entering or leaving a dry dock.

2. Responsibility for the condition of a ship on entering or leaving dry dock is detailed in BR 3001, Article 0503. To remove any possibility of confusion the WEEO, on any occasion of docking or undocking, is to ensure that all hull outfits and logs are in the raised position and the MEO so informed to meet the requirements of BR 3001, Article 0503.

3. Commanding Officers are to ensure that these instructions are clearly understood by all concerned, and that Standing Orders contain clear instructions for reporting the state of the hull outfits, logs or any other retractable equipment which may project from the ships bottom on all occasions of proceeding to sea, returning to harbour, shifting berth or docking.

4. The intent of this Navy Order will be included in ABR 5225 RAN Marine Engineering Manual in due course.

5. Navy Order 411/72 is hereby cancelled.

(1211/251/163)

(Navy Order 411/72)

## UNCLASSIFIED

**357/75—Technical Authority for the Refit and Repair of HMA Ships and Support Craft—Definition and Responsibilities****Introduction**

1. The refit and repair of HMA ships and support craft requires to be supported by a Technical Authority. This Authority will be the appropriate dockyard as nominated in Paragraph 2. The Technical Authority is responsible for the supply of technical information and guidance to the Ordering Authority for RAN ships and craft as defined in Paragraph 3.

**Nomination of Technical Authorities for RAN Ships and Craft**

2. The following Technical Authorities are nominated for the ships and craft indicated:

- a. *GMGID*: HMA Ships MELBOURNE, SUPPLY, STALWART, DDGs, DARINGS, Patrol Boats, MCMVs, LCHs. HMA Ships MORESBY, FLINDERS, KIMBLA, DUCHESS. All support craft; and
- b. *GMWD*: DEs, HMA Ships DIAMANTINA, COOK, BANKS and BASS.

### Responsibilities and Authority of the Technical Authority

3. The Technical Authority has the responsibility to provide the information and services required within the policy guidelines and procedures established by the Department of Defence (Navy Office). The required technical support for the refitting and repairing of ships and support craft may embrace some or all of the following forms:

#### a. Design Services

- (1) Preparation of drawings and specifications for the implementation of As and As and modifications;
- (2) special technical investigation for As and As;
- (3) investigation of design defects;
- (4) preparation of drawings as required to implement maintenance tasks;
- (5) prepare or amend 'As Fitted' drawings. Provide the specifications and supervision to enable local shipyards or contractors to undertake 'As Fitted' drawings; and
- (6) provision of docking and slipping information for the safe docking of HMA ships.

#### b. Maintenance Definition and Support

- (1) Prepare specifications for refit planned maintenance and defect work;
- (2) carry out technical investigations and provide services upon request by Ordering Authorities or by direction of the Department of Defence (Navy Office), for the upkeep of ships, ship systems, equipment, and materials, eg, vibration analysis, remaining life of components and equipments;
- (3) provision of hull and survey evaluations, and recommendation for repair to maintain strength and WT integrity of hulls; and
- (4) provision of dockyard personnel to carry out overhaul repair, setting to work, testing and tuning of particular equipments beyond the capabilities of ships' staffs, base staffs, or local contractors.

#### c. Existing Information Support

- (1) Maintain a complete and up-to-date set of drawings, handbooks, and supporting documentation and provide copies of drawings upon request. Where documentation is not held for distribution, the demanding authority is to be informed of the source of supply; and
- (2) prepare, and make amendments to, Lists of Equipment.

#### d. Material Support

The Technical Authority is to provide technical support to the Supply Branch to assist that branch in ensuring that material is available for refits.

4. The policy with regard to HMA submarines is promulgated in the ABR 1313 Article 1305.

(N342/1/13)

## Section 2

### PERSONNEL

#### UNCLASSIFIED

#### 358/75—RAN Relief Trust Fund Financial Statement for the Year Ended 31 December 1974

1. The Statement of Accounts of the RAN Relief Trust Fund for the year 1 January to 31 December 1974 and the Balance Sheet at 31 December 1974 are promulgated as Annex A to this order.

#### Assistance Rendered

2. The reasons for which loans have been made during the last eighteen months are as follows:

Nature	Loans Made		Percentage of Cases	
	Six Months Ended	Year Ended	Six Months Ended	Year Ended
	31 Dec 73	31 Dec 74	31 Dec 73	31 Dec 74
Housing .. .. .	212	418	27.4	26.1
Furniture .. .. .	481	1,036	62.1	64.7
Medical and Dental .. .. .	4	20	0.5	1.3
Travelling and Removals .. .. .	13	19	1.7	1.2
Domestic (Overdue Accounts) .. .. .	30	44	3.9	2.7
Legal .. .. .	6	17	0.8	1.1
Other Reasons .. .. .	28	47	3.6	2.9
	<u>774</u>	<u>1,601</u>	<u>100.0</u>	<u>100.0</u>

3. The Amounts loaned under the respective categories were:

	Six Months Ended	Year Ended
	31 Dec 73	31 Dec 74
	\$	\$
Housing loans .. .. .	197,711	392,193
Furniture loans .. .. .	305,304	680,290
Other loans .. .. .	9,008	21,680
	<u>512,023</u>	<u>1,094,163</u>

4. In March 1974 the grant payable to widows was increased by the Trustees from \$157.50 to \$200.00. Grants paid to widows whose husbands died whilst in the Service amounted to \$3,787.50. Loans outstanding on death of personnel amounting to \$2,521 were converted to grants further relieving the financial worry of widows. The sum of \$5,792.91 was paid out as grants for Housekeeping Services in order to assist naval families in times of crisis through illness and other emergencies. One hundred and nineteen families were assisted.



## UNCLASSIFIED

**359/75—Program of Educational Tests for 1976**

The following will be the program of educational tests in the RAN during 1976:

**Services General Certificate of Education (SGCE)**

## a. Series 1/76—April 1976:

	<i>Forenoon</i>	<i>Afternoon</i>
Tuesday 6 April ..	English Expression	English Literature
Wednesday 7 April ..	Mathematics I/Mod. Mathematics I	Social Studies
Thursday 8 April ..	Mathematics 2/Mod. Mathematics 2	Modern History
Friday 9 April ..	Physics	
Monday 12 April ..	Geography	Economics
Tuesday 13 April ..	Navigation	Asian History

## b. Series 2/76—October 1976:

Tuesday 12 October ..	English Expression	English Literature
Wednesday 13 October ..	Mathematics I/Mod. Mathematics I	Modern History
Thursday 14 October ..	Mathematics 2/Mod. Mathematics 2	Geography
Friday 15 October ..	Physics	
Monday 18 October ..	Chemistry	Economics
Tuesday 19 October ..	Navigation	Asian History
Wednesday 20 October ..	Social Studies	

## c. LEEUWIN Educational Test (LET):

- Series 1: Tuesday 2 March—Friday 5 March  
 Series 2: Monday 17 May—Friday 21 May  
 Series 3: Monday 30 August—Friday 3 September  
 Series 4: Monday 15 November—Friday 19 November

(325/1/25)

## UNCLASSIFIED

**360/75—ABR 19 RAN Painting Manual—Deletion of Phosphoric Acid Pretreatment**

1. Investigations have shown that there is little benefit to be gained by the use of phosphoric acid pretreatment prior to the painting of steel and aluminium. Because of the precautions required in its use and the possibility of damage to nearby surfaces or equipment, it has been decided to discontinue the use of phosphoric acid pretreatment prior to the painting of surface ships and submarines. All references to phosphoric acid pretreatment is to be deleted from:

- a. ABR 19 Volume 3 RAN Painting Manual Submarines November 1974; and
- b. ABR 19 RAN Painting Manual Pocket Book October 1972.

2. These amendments will be included in the next revision of all volumes of ABR 19.

(N7610/3/30)

## AMENDMENTS

## UNCLASSIFIED

**361/75—Deck Coverings in HMA Ships and Submarines—Policy**

1. Navy Order 272/75 is to be amended as follows:

- a. Table A, page 16, column 3, *delete* 'or conductive epoxy'.
- b. Table B, pages 17 and 18, *delete* 'A1. A1.' and *insert* 'A1. alloy'.
- c. Paragraph 2a of Annex B, *delete* 'The surface is then treated with phosphoric acid pretreatment solution. For application of phosphoric acid see ABR 19'.

(1211/51/178)

(Navy Order 272/75)

UNCLASSIFIED

20175—Deck Coverings in HMA Slabs and Substrates—Policy  
 The following will be the program of work to be conducted by the

1. Navy Order 217/22 is to be amended as follows:
  - a. Table A, page 36 column 1, under "Contract No.",
  - b. Table A, pages 17 and 18, under "A. A. and Navy A. A. Slab",
  - c. Paragraph 2a of Annex B, under "The subject is now listed as follows".

DATE	TOPIC	CLASSIFICATION
Monday 13 April	Mathematics 1 (Navy Order 217/22)	Mathematics 1
Tuesday 14 April	Geometry	Mathematics
Wednesday 15 April	Navigators	Asian History
2. Series 279—October 1972:		
Thursday 12 October	English Literature	English Literature
Wednesday 11 October	Mathematics 1 (Navy Order 217/22)	Mathematics
Thursday 14 October	Mathematics 2 (Navy Order 217/22)	Mathematics
Friday 15 October	Physics	Physics
Monday 18 October	Chemistry	Chemistry
Tuesday 19 October	Navigators	Asian History
Wednesday 20 October	Social Studies	Social Studies

- a. 1972/73 Schedule Two (LST):
  - Series 1: Tuesday 2 March—Friday 3 March
  - Series 2: Monday 17 May—Friday 21 May
  - Series 3: Monday 20 August—Friday 2 September
  - Series 4: Monday 13 November—Friday 15 November

UNCLASSIFIED

UNCLASSIFIED

209/75—ABR 19 RAN Painting Manual—Deletion of Phosphoric Acid Pretreatment

1. Investigators have shown that there is little benefit to be gained by the use of phosphoric acid pretreatment prior to the painting of steel and aluminium. Because of the pretreatment required in its use and the possibility of damage to metal surfaces by equipment, it has been decided to discontinue the use of phosphoric acid pretreatment prior to the painting of surface slabs and substrates. All references to phosphoric acid pretreatment is to be deleted from:

- a. ABR 15 Volume 3 RAN Painting Manual Subsections November 1974, and
- b. ABR 17 RAN Painting Manual Pocket Book October 1972.

2. These amendments will be included in the next revision of all volumes of ABR 19.



**RESTRICTED**

*Historian  
Victoria Barracks  
Melbourne*

**ANOs 362/75-367/75**



# AUSTRALIAN NAVY ORDERS

No. 258  
SECTION 1—ADMINISTRATIVE AND GENERAL  
PART 1: Code of the Use of the Flag  
PART 2: HMA Ships (General Yards)—Liaison Officers

SECTION 2—  
PART 3: Medical Photographs  
PART 4: RAN General Command Post Night by the Flag by July 1975

Navy Office, Canberra,  
30 December 1975.

The enclosed orders are promulgated for information, guidance and necessary action.

SECTION 3—EQUIPMENT, STORES AND SERVICING  
PART 5: Code of a Trade, Supply, Cable, Mail, Line, or Message Point for Ships  
PART 7: Revised List of Accommodations in RAN Service

By direction of the Naval Board,

*Sheppard*

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

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NAVY ORDERS

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- b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 4718.

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

Care in the Use of Wire Slings

CONTENTS

No	Title
<b>SECTION 1—ADMINISTRATIVE AND GENERAL</b>	
362/75	Care in the Use of Wire Slings.
363/75	HMA Ships Overseas Visits—Liaison Officers.
<b>SECTION 2—PERSONNEL</b>	
364/75	Official Photographs.
365/75	RAN Central Canteens Fund Report for Year Ended 31 July 1975.
<b>SECTION 4—EQUIPMENT, STORES AND SERVICING</b>	
366/75	Issue of a Trunk, Locker, Cabin, Steel, Loan, to Members Posted for Duty Overseas.
367/75	Revised List of Accoutrements in RAN Service.

## Section 1

## ADMINISTRATIVE AND GENERAL

## UNCLASSIFIED

## 362/75—Care in the Use of Wire Slings

1. Commanding Officers, General Managers of Dockyards and Officers-in-Charge are to ensure that the following rules in respect of wire slings are observed:

- a. use of unauthorised wire slings is not to be permitted;
- b. no sling is to have a working load of less than one tonne. All slings are to have a minimum safety factor of five over the working load; and
- c. all lifts are to be supervised by personnel specified by the officers indicated above.

2. All slings are to be regularly inspected and are to be physically tested at least once per year and whenever a doubt exists as to the condition of the sling. The date of test and safe working load is to be clearly indicated on the sling. A readily observable and distinctive coloured paint is to be applied to a non-working part of the sling to distinguish between annual tests.

3. Navy Order 41/75 is hereby cancelled.

(1224/272/106)

(Navy Order 41/75)

## RESTRICTED

## 363/75—HMA Ships Overseas Visits—Liaison Officers

1. The desirability, in certain circumstances, for RAN liaison officers to precede HMA ships programmed for overseas port visits to make visit arrangements is recognised.

2. Because of varying circumstances, it is not possible to promulgate ports where liaison officers are required, but as a general principle, approval will be given for air travel and travelling expenses for liaison officers when:

- a. ships are to visit ports in a country where no diplomatic mission is present or if the diplomatic mission is remote from the port being visited;
- b. when formal visits are made;
- c. when a group of ships is to visit the same port at the one time;
- d. when ships are to visit more than one port in a country simultaneously; and
- e. where a definite need for liaison is established, eg, forthcoming exercises.

3. The decision on whether approval is given or not for the appointment of a liaison officer will depend largely on the assessed and actual ability of local resources (missions, attaches, naval organisations, etc) to meet requirements adequately.

4. If approval is given for a liaison officer to precede a ship, service air travel is to be utilised before commercial air.

5. On each occasion that the services of a liaison officer are deemed necessary, the approval of the Chief of Naval Staff is to be sought as early as practicable. Ships are normally to forward proposals through administrative authorities, but ships deployed may forward proposals direct, keeping administrative authorities informed.

6. Navy Order 365/72 is hereby cancelled.

(42/23/154)

(Navy Order 365/72)

## Section 2

### PERSONNEL

UNCLASSIFIED

#### 364/75—Official Photographs

1. Photographs of Sailors/Wrans for use on official documents are to comply with the following:

- a. *Size* .. For Form KE120 (RAN ID Cards): 2.8 cm x 3.3 cm.  
For Form PH108 (Divisional Officer's Record Sheet): 5 cm x 5 cm.  
For personal details page of Record of Training and Employment: 5 cm x 5 cm.
- b. *Subject* .. For Form KE120 . . . full frontal head and shoulders only.  
For all other forms . . . full frontal head and shoulders to chest level.  
Caps/hats are not to be worn, hair clear of face, and expressionless.
- c. *Name* .. On all photographs other than those for Form KE120, subject's surname and initials together on one line with personal number on a lower line is to be shown in the lower confines of the photograph by either letter board or printed white on black background, letters to be 2.5 cm high.
- d. *Dress* .. Uniform, ie, sailors' number 2 or 2A, Wrans' number 1 or 6.
- e. *Colour* .. Photographs are to be black and white.

2. Navy Order 265/75 is hereby cancelled.

(N363/1/9)

(Navy Order 265/75)

UNCLASSIFIED

#### 365/75—RAN Central Canteens Fund Report for Year Ended 31 July 1975

1. The auditor's report and financial statements covering the operation of the RAN Central Canteens Fund for the year ended 31 July 1975 appear as Annexes to this order.

2. The Fund is established within the authority provided by Navy (Canteens) Regulations under the Naval Defence Act 1910-1971. The Naval Board control the activities of all Service System Canteens and impose a levy on sales. The RAN Central Canteens Board is responsible to the Naval Board for administering the RAN Central Canteens Fund. The Fund derives income from a levy of 3½ per cent on retail sales in all Service System Canteens and from investments.

3. The Fund exists for the purposes of providing for the welfare and amenities of the naval community. In general its funds are used for:

- a. the provision of amenities which will benefit naval personnel generally, and which it would be inappropriate for an individual ship or establishment to provide;
- b. assistance in providing amenities for individual ships and establishments which cannot be provided from their own resources;
- c. the grant of 1 per cent of the total canteen sales to the RAN Relief Trust Fund;
- d. subsidy to the RAN Relief Trust Fund for provision of housekeeping services;
- e. subsidies for:
  - (1) inter-service sport,
  - (2) Navy News,
  - (3) film hire for certain small ships, and
  - (4) entertainment of personnel of visiting foreign warships;
- f. capital expenditure on major recreational projects such as RAN Holiday Centres at Lake Burrill and Forster;
- g. loans to finance Service Systems Canteens; and
- h. meeting the cost of insuring canteen goods and equipment in seagoing HMA ships.

4. Navy (Canteens) Regulations provide for the establishment of an RAN Central Canteens Committee. This committee is composed of officers and sailors representing areas and commands and meets twice a year in accordance with Regulations and Instructions (ABR 5016) Appendix 15A. The committee may:

- a. make recommendations and suggestions to the RAN Central Canteens Board on matters concerning the interest and welfare of members of the Navy in relation to canteens; and
- b. make recommendations to the RAN Central Canteens Board on matters of principle concerning the application of money or property forming part of the RAN Central Canteens Fund.

**Board Report**

5. During the year the accumulated funds and reserves were increased by \$97,477 to \$841,839.

6. Fund income increased by \$26,819 to \$218,383 as a result of higher sales in canteens and increased interest income from investments. Expenditure increased by \$29,814 to \$120,025 mainly due to increases of \$5,850 in annual grant to the RAN Relief Trust Fund, \$3,608 on housekeeping services and \$19,704 in grants to ships and establishments for amenities.

7. Outstanding loans to ships and establishments as at 31 July 1975 amounted to \$71,350 compared with \$44,338 on 31 July 1974.

8. During the year canteen sales rose from \$5,385,480 to \$5,985,235. After allowing for the decommissioning of HMAS TARANGAU, sales of all other canteens increased 15.97 per cent compared with an increase of 16.03 per cent in the previous year. This growth in sales closely approximates the rise in the consumer price index.

9. The RAN Holiday Centre at Forster incurred an operating loss of \$1,620 for the year compared with a loss of \$1,496 in the previous year. It had been expected that a small profit would be made but although income was increased by \$1,108, and other costs were reduced, an increase in wages of \$1,628 caused a further loss. Increased weekly rental charges which are still well below those prevailing in the community were introduced from 1 August 1975. This action should result in a better trading result for the 1975-76 year.

10. The RAN Holiday Centre at Lake Burrill made an operating profit of \$740 for the year compared with a loss of \$1,176 in the previous year. This result was achieved after allowance for the depreciation of \$10,480 and provision for replacement of fixed assets of \$2,500. Sixteen motel type units were completed and initially let in December 1974. Additional revenue from these units for a full year should ensure that a satisfactory profit will continue to be made in the future.

11. Annex C lists all grants made during the year. Grants made to the RAN Relief Trust Fund have ensured that the waiting period for loans to sailors has remained at two to six weeks, the minimum time possible administratively. The cost of providing housekeeping services was increased from \$5,698 to \$9,305 following easing of conditions of payment. The RAN Central Canteens Board has allocated \$15,000 for housekeeping services for the 1975-76 financial year.

12. The present financial position of the RAN Central Canteens Fund is sound and the allocation of funds for welfare and amenities purposes during the 1975-76 year is expected to continue at least at the present rate.

13. Navy Order 345/74 is hereby cancelled.

**ANNEX A****RAN Central Canteens Fund****Balance Sheet as at 31 July 1975**

Accumulated Funds	1975	1974
	\$	\$
Balance at 31 July 1975 .. .. .	695,832.76	570,118
Add Improvements to RAN Holiday Centre Lake Burrill .. .. .	62,436.57	
Improvements to RAN Holiday Centre Forster .. .. .	3,106.45	
	<u>65,543.02</u>	<u>120,033</u>
	761,375.78	
Add RAN Central Canteens Fund Operating Surplus .. .. .	98,357.90	
RAN Holiday Centre Lake Burrill Operating Surplus .. .. .	740.02	
	<u>99,097.92</u>	
Less RAN Holiday Centre Forster Operating Loss .. .. .	1,620.47	
	<u>97,477.45</u>	
Less Transfer to Reserves .. .. .	48,638.13	
	<u>48,839.32</u>	<u>5,682</u>
	810,215.10	695,833
<b>Reserves</b>		
Lake Burrill Project Reserve .. .. .	25,730.64	
Forster Project Reserve .. .. .	893.55	
War Insurance Reserve .. .. .	5,000.00	
	<u>31,624.19</u>	<u>48,529</u>
<b>Total Funds and Reserves</b> .. .. .	<u>841,839.29</u>	<u>744,362</u>
<b>Represented by:</b>		
<b>Current Assets</b>		
Cash at Bank .. .. .	21,425.17	
Interest Bearing Deposits .. .. .	165,000.00	
	<u>186,425.17</u>	<u>171,004</u>
<b>Outstanding Loans</b>		
Advances to ASCO .. .. .	100,000.00	
Loans to Canteens, etc .. .. .	71,350.54	
	<u>171,350.54</u>	<u>144,338</u>
<b>Investments</b>		
RAN Holiday Centre Lake Burrill .. .. .	316,854.53	
RAN Holiday Centre Forster .. .. .	82,284.05	
Commonwealth Bonds—At Cost .. .. .	84,925.00	
	<u>484,063.58</u>	<u>429,020</u>
<b>Total Net Assets</b> .. .. .	<u>841,839.29</u>	<u>744,362</u>

ANNEX B

RAN Central Canteens Fund

Revenue Account for the Period 1 August 1974 to 31 July 1975

	1975	1974
	\$	\$
<b>Income</b>		
Levy on Sales in Service System Canteens .. .. .	199,507.82	179,516
Interest .. .. .	17,017.80	10,396
ASCO Dividend Vietnam .. .. .	1,217.09	398
NAAFI Dividend Singapore .. .. .	199.15	718
Donations .. .. .	41.28	16
Other Income .. .. .	400.00	520
	<u>218,383.14</u>	<u>191,564</u>
<b>Expenditure</b>		
Grants as per schedule .. .. .	108,936.00	84,482
Audit Fees .. .. .	350.00	275
Stationery .. .. .	4,197.70	1,070
RAN Recreational Film Account .. .. .	6,155.04	4,384
Legal Fees .. .. .	386.50	
	<u>120,025.24</u>	<u>90,211</u>
Surplus Transferred to Accumulated Funds .. .. .	98,357.90	101,353

Auditor's Report

We wish to report that we have audited the Books and Accounts of the Fund for the period 1 August 1974 to 31 July 1975.

In our opinion the attached Balance Sheet and Accounts, with the exception of those items relating to the operations of the Forster RAN Holiday Centre, are properly drawn up so as to give a true and fair view of the state of the affairs of the Fund and of the results for the period.

As we have not audited the Accounts of the Forster RAN Holiday Centre, we are unable to form an opinion as to whether the Accounts, as a whole, reflect a true and fair view. The Lake Burrill Holiday Centre Accounts were audited by another firm of Accountants.

HAINES TONER & CO,  
Chartered Accountants

E. F. TONER  
Partner

Melbourne  
23 September 1975

ANNEX C

RAN Central Canteens Fund

Schedule of Grants Made During Period 1 August 1974 to 31 July 1975

	\$	\$
<b>Welfare</b>		
RAN Relief Trust Fund		
Half Yearly Grants .. .. .	55,465.30	
Housekeeping Services .. .. .	9,305.48	
	<u>64,770.78</u>	
<b>Amenities</b>		
Navy News Subsidies .. .. .	11,370.46	
Newspapers for ships overseas .. .. .	211.89	
HMAS Kimbla .. .. .	1,400.00	
HMAS Stalwart .. .. .	22.00	
HMAS Leeuwin .. .. .	4,887.98	
HMAS Harman .. .. .	27.06	
HMAS Brisbane .. .. .	47.00	
HMAS Lonsdale .. .. .	30.00	
HMAS Cerberus .. .. .	8,373.50	
HMAS Tarangau .. .. .	691.48	
HMAS Encounter .. .. .	50.00	
HMAS Penguin .. .. .	209.00	
HMAS Penguin CPO's .. .. .	1,000.00	
HMAS Advance .. .. .	200.00	
White Ensign Club (Nowra) .. .. .	10,000.00	
Canteen Insurance—Ships .. .. .	1,496.57	
	<u>40,016.94</u>	
<b>Sport</b>		
RAN Ski Team .. .. .	74.00	
EAA Sports Fund .. .. .	2,776.28	
Australian Services Rugby Union .. .. .	500.00	
HMAS Harman .. .. .	84.20	
HMAS Creswell .. .. .	73.00	
HMAS Moreton .. .. .	140.80	
RAN Contingent NW Cape .. .. .	500.00	
	<u>4,148.28</u>	
		<u>108,936.00</u>

UNCLASSIFIED

1. All accounts have been audited and found correct.
2. The financial statements are presented in accordance with the provisions of the RAN Act.
3. It should be noted that the accounts for the Forster RAN Holiday Centre are not included in this schedule of grants.
4. Consideration should be given to the fact that the RAN Act requires that the accounts for the Forster RAN Holiday Centre should be audited by another firm of accountants.
5. The new RAN Act will be applied to the Forster RAN Holiday Centre.
6. Navy Order 881/74 is being issued.

## ANNEX D

## RAN Central Canteens Fund

## Schedule of Loans Outstanding at 31 July 1975

ASCO .. .. .	100,000.00
HMAS Adroit Canteen .. .. .	190.00
HMAS Arrow Canteen .. .. .	170.00
HMAS Balikpapan Canteen .. .. .	170.00
HMAS Betano Canteen .. .. .	150.00
HMAS Brunei Canteen .. .. .	100.00
HMAS Cerberus Senior Sailors .. .. .	8,000.00
HMAS Coonawarra Ships Fund .. .. .	1,600.00
HMAS Creswell Ships Fund .. .. .	2,295.00
HMAS Flinders Canteen .. .. .	350.00
HMAS Hobart Canteen .. .. .	7,500.00
HMAS Leeuwin Senior Sailors .. .. .	6,500.00
HMAS Nirimba Apprentices Fund .. .. .	2,800.00
HMAS Nirimba Senior Sailors .. .. .	1,365.00
HMAS Penguin Canteen .. .. .	6,785.00
HMAS Penguin Ships Fund .. .. .	1,837.00
HMAS Vendetta Canteen .. .. .	1,750.00
HMAS Wewak Canteen .. .. .	90.00
RAN Gliding Association .. .. .	6,600.00
Royal Australian Naval House .. .. .	11,000.00
RAN Ski Club .. .. .	3,098.54
White Ensign Club (Nowra) .. .. .	9,000.00
	<hr/>
	171,350.54

(212/1/8)

(Navy Order 345/74)

## Section 4

## EQUIPMENT, STORES AND SERVICING

## UNCLASSIFIED

**366/75—Issue of a Trunk, Locker, Cabin, Steel, Loan, to Members Posted for Duty Overseas**

1. Members posted for duty overseas are to be issued with 1 EA Trunk, Locker, Cabin, Steel, on personal loan for the duration of their posting.

2. The following item will be maintained for issue for this purpose:

Class	Catalogue No	Description
8460	66-089-3184	TRUNK, LOCKER, CABIN, STEEL, LOAN

3. Recovered part worn 8460-66-075-4594 TRUNKS, LOCKER, CABIN, STEEL, which are in a serviceable or repairable condition are to be other-denominated to loan and utilised for issue to entitled members.

4. New trunks held on repayment account may be other-denominated to loan only if a part-worn trunk is not available locally or from the Superintending Victualling Store Officer (Depot Code 0124).

5. A small stock of loan trunks will be held in HMAS CERBERUS and in HMAS LEEUWIN for issue to entitled members in Victoria and Western Australia.

6. Trunks held on personal loan by members are to be recovered following their return from duty overseas.

(1/8460/24)

## UNCLASSIFIED

**367/75—Revised List of Accoutrements in RAN Service**

1. After investigations into reported incompatibility problems with AMF accoutrements introduced *vide* Navy Order 401/74, it has been decided that several of the remaining Pattern 1937 items are now obsolescent and are to be replaced by their AMF equivalent.

2. The revised allowances of accoutrements are contained at Annex A.

3. It should be noted that most accoutrements have become a Victualling and General Stores responsibility and are no longer classed as Armament Stores. Depot codes listed opposite each individual item reflect the classification changes.

4. Obsolete items detailed in Annex B should be returned to the nearest RAN Armament and Weapon Equipment Depot for disposal action.

5. The new AMF accoutrements will be supplied without demand as stocks become available.

6. Navy Order 401/74 is hereby cancelled.

## ANNEX A

367/75

Class	Catalogue Number	Description	Unit of Issue	Acctg Classn	Note	Rifle L2A1 (j)	Rifle L1A1 (j)	Pistol L9A1 (j)	SMG F1 (j)	Supply Depot Code
8465	99-962-2015	SWORD, Naval Patt 1889 28" Assy OR	EA	P	(a)	—	—	—	—	0124
8465	99-962-2019	SWORD, Naval Patt 1900 28" Assy	EA	P	(a)	—	—	—	—	0124
8465	99-962-2016	SCABBARD SWORD Patt 1889 Assy OR	EA	P	(a)	—	—	—	—	0124
8465	99-962-2020	SCABBARD SWORD Patt 1900 Assy	EA	P	(a)	—	—	—	—	0124
8465	99-458-1186	BECKET SWORD Patt 1901	EA	C	(a)	—	—	—	—	0124
8465	99-458-1183	FROG BAYONET Patt 1919	EA	C	(a)	—	—	—	—	0124
8465	99-458-1184	BELT WAIST Patt 1919	EA	C	(a)	—	—	—	—	0035
1095	66-025-1781	HOLSTER PISTOL 9mm Browning	EA	C	—	—	—	1(h)	—	0035
8465	66-034-4051	SUSPENDER FIELD PACK 'H' Back Type	EA	C	—	1	1	1	1	0124
8465	66-026-2269	FIELD PACK CANVAS Olive drab	EA	C	—	1	1	1	1	0124
5120	66-010-9748	ENTRENCHING TOOL HAND	EA	C	—	1	1	1	1	0027
8465	66-029-5678	CARRIER ENTRENCHING TOOL 1956	EA	C	—	1	1	1	1	0124
8465	66-036-6073	FIELD PACK CANVAS M1956/61	EA	C	—	1	1	1	1	0124
8465	66-026-1864	POUCH AMMUNITION Large Olive drab	EA	C	—	2	2	—	—	0124
8465	66-021-1997	POUCH AMMUNITION 9mm	EA	C	(i)	—	—	—	2	0124
8465	66-049-8660	CANTEEN WATER Plastic	EA	C	—	1	1	1	1	0124
8465	66-049-8662	COVER WATER CANTEEN M1956	EA	C	—	1	1	1	1	0124
8465	66-058-5567	CUP WATER CANTEEN	EA	P	—	1	1	1	1	0124
7350	66-014-5895	PAN SET MESSING	SE	P	—	1	1	1	1	0124
7360	66-014-4707	KNIFE-FORK-SPOON SET	SE	P	—	1	1	1	1	0124
8465	66-010-9512	ROPE ASSEMBLY GENERAL PURPOSE	EA	C	—	1	2	1	—	0124
8465	66-014-8756	CARRIER SCABBARD BAYONET	EA	C	—	—	1	—	—	0124
—	249MISC-12	SLING RIFLE Painted White	EA	C	(f)(k)	—	1	—	—	0035
1005	66-100-2008	SLING RIFLE WEB 46" L1A1	EA	C	—	—	1	—	—	0035
1005	66-030-7857	SLING SMALL ARMS 59"	EA	C	—	1	—	—	1	0035
8440	66-013-4404	GAITERS Canvas AMF Type dyed black Size 4	PR	P	(e)	1	1	1	1	0124
8440	66-013-4405	GAITERS Canvas AMF Type dyed black Size 5	PR	P	(e)	1	1	1	1	0124
8465	66-049-8659	BELT INDIVIDUAL EQUIPMENT	EA	C	—	1	1	1	1	0124
8465	66-013-7648	BELT WEBBING EQUIPMENT Patt 1937 Large	EA	C	(b)(d)	—	1	—	—	0124
8465	66-049-8664	BELT WEBBING EQUIPMENT Patt 1937 Normal	EA	C	(f)	—	—	—	—	0124
8465	66-013-5077	CARRIER SCABBARD BAYONET Patt 1937	EA	C	(b)(f)	—	1	—	—	0124
8440	66-039-3389	GAITERS AMF type size 4	PR	C	(d)(f)	—	1	—	—	0124
8440	66-039-3390	GAITERS AMF type size 5	PR	C	(e)(g)	—	1	—	—	0124

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Notes: (a) 1 No if COMAUSDESRON is borne.

(b) To be progressively phased out when stocks are depleted. Belt Individual Equipment (8465-66-049-8659) allowances will be increased to cater for ceremonial purposes when these items are phased out.

(c) Consumable Item.

(d) On receipt of undyed items from the Stores Depot they are to be painted white with 8010-66-063-1634 or 8010-66-063-1635 PAINT, PLASTIC, WHITE PP160 which is available from SGSO Garden Island (Source Code 0027). The paint is to be applied to a clean dry surface as necessary in the proportion of one part water to three parts plastic. Refurbishing by washing should be carried out wherever possible rather than applying numerous coats of paint for subsequent usage.

(e) Issues of sizes 4 and 5 will be made on a 40%-60% basis approximately.

(f) For ceremonial purposes only.

(g) HMAS NIRIMBA'S allowance for Ceremonial Gaiters is 250 No and includes a quantity of size 3.

(h) Also 1 EA per Pay Escort.

(i) A Lanyard (8465-99-961-9512) and an Ammunition Pouch (8465-99-973-6113) are supplied with each Pistol L9A1.

(j) Allowances of Small Arms for Ships and Establishments are shown in Navy Order 54/74.

(k) 1005-66-100-2008 Sling may be supplied in lieu and painted white on board.

(P) Permanent Item.

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367/75



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367/75

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**ANNEX B**

**Obsolete Items**

249050	POUCH, BASIC	
249076	POUCH, AMMUNITION, PISTOL	
249102	POUCH, AMMUNITION, PISTOL	
249029	BRACE, LONG	
249042	BRACE, NORMAL	
249014	ATTACHMENTS, BRACE	
249009	HAVERSACK	
25221413	HAVERSACK, MK 6 ASSY	
25221411	HAVERSACK, MK 7 ASSY	
249035	TOOLS, ENTRENCHING	
249043	CARRIERS, TOOL, ENTRENCHING	
249048	HELVES, IMPLEMENT, ENTRENCHING	
24910811	CARRIER, CANTEEN, WATER, NP	
24910812	CARRIER, WATER BOTTLE, OP	
24905311	BOTTLE, WATER, MK 7 ASSY	
24905312	BOTTLE, WATER, MK 6 ASSY	
249066	BOTTLE, WATER, MK 1 ASSY	
249006	COVER, BREECH, RIFLE, .303	
—	POUCHES, MAGAZINE, THOMPSON SMG	
249157	ANKLETS, WEB Size 1	} To be retained in Service for Sea } Cadet training only.
249170	ANKLETS, WEB Size 2	
249183	ANKLETS, WEB Size 3	
249196	ANKLETS, WEB Size 4	
249128	POUCH, UTILITY, FRONT	
249141	POUCH, UTILITY, REAR	
249143	YOKE	
24917615	FROG, BAYONET	
24917613	FROG, BAYONET	
24905212	TINS, MESS, STEEL	
24905211	TINS, MESS, ALUMINIUM	
1095-99-973-6097	HOLSTER, PISTOL, Patt 1937	
8465-66-013-7545	SUSPENDER FIELD PACK, LEFT	
8465-66-013-7547	SUSPENDER FIELD PACK, RIGHT	
8465-66-013-7556	FIELD PACK WEBBING, LARGE, Patt 1937	
8465-99-973-7508	STRAP SUPPORTING PACK Patt 1937	

(700/57/223)

(Navy Orders 54/74 and 401/74)

Navy Orders 321/72 to 447/72 are now over three years old and may be disposed of accordingly.

Confidential Navy Orders 18/72 to 30/72 are now over three years old and may be disposed of accordingly.

In-Confidence Navy Orders 1/72 to 8/72 are now over three years old and may be disposed of accordingly.

18114/75

F. D. ATKINSON, Government Printer, Canberra

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Historian  
Victoria Barracks  
Melbourne

ANO 368/75



# AUSTRALIAN NAVY ORDER

Navy Office, Canberra,  
31 December 1975.

The enclosed order is promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*Sheppard*

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

RESTRICTED



NAVY ORDERS

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

368/75—Metric Conversion in Department of Defence (Navy)

Introduction

1. This order contains the relevant Navy Orders in the Department of Defence... The Navy Order contains the relevant Navy Orders in the Department of Defence...

CONTENTS

No Title SECTION 1—ADMINISTRATIVE AND GENERAL

368/75 Metric Conversion in Department of Defence (Navy).

2. In 1970, the Australian Government passed an Act to facilitate the adoption... The Act provides for the adoption of the metric system...

3. Australia's metric conversion was originally planned to be accomplished... The metric conversion was originally planned to be accomplished...

Additional copies of Navy Orders may be readily obtained by:

- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
c. telephoning Navy Office, Canberra 65 4718.

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

368/75—Metric Conversion in Department of Defence (Navy)

Introduction

1. This order outlines the relevant history leading to the decision to convert to the 'Systeme Internationale d'Unites (International System of Units), with the abbreviation (SI)' metric system of measurements in the Department of Defence (Navy) and defines the relevant major considerations to be taken into account in the change. It provides a broad policy and program for Department of Defence (Navy) metric conversion, within whose framework Authorities, Divisions and Branches are required to plan, manage and implement a detailed metric conversion program to suit the needs and circumstances of their own organisation. An outline timetable for metric conversion in Defence (Navy) is included in this order, as Annex A. A plan showing the organisation for management of metric conversion is also included, as Annex B.

2. Defence (Navy)'s metric conversion problems are not unique. In general, these are shared by all Service, Government and commercial bodies having plant with a high capital cost and a long useful life.

3. The safety and efficiency of the Fleet, both as a whole and as separate units, including its supporting organisations are paramount. All imperial/metric considerations are to be aimed at ensuring that these factors are maintained at a high level.

Australia's Metric Conversion and its Management

4. In 1970, the Australian Government passed an Act to facilitate the adoption in Australia of the metric system of measurement and for that purpose, to establish a Metric Conversion Board (MCB). The MCB is responsible to the Minister for Science and Consumer Affairs for the administration, planning, and co-ordination of the nation's metric conversion. The MCB and its small executive team are assisted by eleven Advisory Bodies, who, in turn, are assisted by a number of Sector Committees. The Government Departments' metric conversion programs and activities are co-ordinated by an Inter-departmental Co-ordinating Committee on Metric Conversion (IDCC). The Chairman of the IDCC is a member of the MCB, and the Defence Department has a representative on the IDCC. The Defence Group Committee on Metric Conversion (DGCMC) co-ordinates the Department of Defence Metric Conversion activities and programs; the Director-General Naval Design (DGND) as the Chairman of the Navy Metric Conversion Committee (NMCC), is a member of the DGCMC. The NMCC plans, co-ordinates and advises on Defence (Navy) metric conversion (see Navy Order 108/75 for membership and full terms of reference). A full time Staff Engineer for Naval Metric Conversion Co-ordination has been appointed, based at Navy Office, Canberra; he is also the Executive Secretary of the NMCC. The structure of the above organisation is shown in Annex B of this order.

5. Australia's metric conversion was originally planned to be accomplished generally over a period of ten years, and was expected to be essentially complete by the end of 1980. Progress to-date indicates that the 1980 date will probably be met. It must be recognised that this program refers mainly to legislation, manufacture, new construction, education, etc. The conversion of existing buildings, ships, and plant and machinery of all kinds is not envisaged in the ten year plan, since the maintenance of such items must be continued for a considerable time.

CONTENTS

This

No.

SECTION I—ADMINISTRATIVE AND GENERAL

PART 1 Metric Conversion in Department of Defence (Navy)

6. Along with all other Australian Government Departments, the Defence Department is involved in the changeover to metric units and standards. Department of Defence (Navy) is not only involved in Defence Group metric conversion activities, but is also responsible for the conversion of its own facilities and resources afloat, at shore establishments and at Navy Office.

#### General Principles

7. Due to the practical reasons of cost and to the continued use of existing imperial (inch-pound measurement units) ships and equipment until the end of their useful life, the Defence (Navy) changeover to a wholly metric Service will be a protracted process, probably taking place over about 30 years. During this time:

- a. Metric ships and equipment will come into service as additions to, or replacements for, existing units. Some Imperial ships may be acquired, principally from the USA.
- b. Imperial ships will gradually incorporate some metric materiel—as a result of maintenance, repairs and refit work.
- c. The existing imperial ships (with some metric content and equipment by then) will not be withdrawn from service before the end of their useful lives.
- d. Tactical data (range, bearing, elevation, underwater target depth, etc) will continue in the present imperial units used; no date for a change to metric units can yet be forecast.
- e. The RAN Catalogue of Naval Materiel will gradually expand to cover new metric items while continuing to carry imperial items, and will then slowly reduce to become a wholly metric document when the last imperial ship or equipment goes out of service.
- f. Support facilities, including dockyards, armament depots, etc, will remain adequately equipped to support the remaining imperial materiel. In some areas additional work-load will fall on such facilities in manufacturing imperial items which are no longer available from commercial or logistic support resources.
- g. Uniformed and civilian personnel will need to be competent in, and adaptable to, the use of metric and imperial systems of units, and to the utilisation in imperial ships and equipment of as much readily available metric material as is practicable during maintenance, repair and refit activities.

#### General Policy

8. As a matter of general policy, all future designs and specifications for the acquisition of new ships, equipments, plant and materiel will be compiled in SI units and to metric standard. Special consideration is to be given to items being procured for use in imperial ships and equipments, or for their continued support, where it may be essential to obtain imperial items.

9. It is not intended to withdraw major equipment from service prematurely merely on the grounds that it is not to metric standards; nor will it usually be either economic, or necessary, to convert existing imperial equipments and their associated documentation and support facilities, to metric units. The conversion to metric units of certain major aspects of ships, systems, equipments, etc, will be authorised as they become necessary.

10. However, it is the intention that, wherever it is reasonable to do so, the range of victualling and general stores, fittings, etc, normally obtained from Australian commercial and other sources shall continue to be acquired and used when they are available as metric products.

11. Existing documentation is only to be changed to metric where a clear need to do so is established. Some documents will be of common use, and will need to be available in both imperial and metric forms; this is to be arranged. All new documentation is to be produced solely in metric terms and units, and to metric standards, unless there are overriding reasons to do otherwise. Programs are to be drawn up for the necessary metric conversion of existing documentation, to fit in with their required date of availability for use.

12. It is not Government policy for Government Departments to press industry to achieve an early change to metric production, but generally to accept and use metric products as they become available. However, preference should be given to metric products tendered, unless there are overriding considerations which justify acceptance of an imperial product.

13. To this end, the inventories of Naval Materiel of all descriptions are to be adjusted as required to provide metric items while continuing to provide adequate support for imperial ships and equipments, etc. The relative benefits and costs of 'life-of-type' or 'when required' procurement of support items for imperial ships, systems, equipments, etc, should be evaluated. Any proposal for procurement, however, which involves deviation from instructions on stocking policy requires appropriate approval before procurement takes place. The use of alternative metric materiel, when available from local industry, in the refitting, repair or modification of ships, systems, and equipments, etc, is to be implemented to the fullest extent compatible with safety, effectiveness and minimum overall cost. Circumstances may vary considerably from ship to ship, equipment to equipment, etc. The most appropriate solution is to be applied in each case, to take into account variations in relevant circumstances.

#### The Main Factors Affecting Metric Conversion

14. As with the other Services and many civilian organisations, long-life, high-cost capital plant and equipment, eg, 'imperial' (inch-pound) ships, floating and workshop plant, buildings, etc, will have to be retained and operated until the termination of their useful lives. The last imperial-designed and built RAN ship will probably not go out of service until after the turn of the century.

15. Though as much metric material as is practicable should be used in the repair, refitting and modernisation of ships and plant, it will often be essential to continue to provide and use imperial materials, spares and supporting facilities for them.

16. The planning, programming and timely provision of metric and imperial materials, spares and supporting facilities is a most important feature of the long 'imperial-to-metric' conversion period for Defence (Navy).

17. The operation, maintenance, repair and support of a mix of imperial and metric ships and materiel are added responsibilities which will have to be borne, in varying degrees, by all members of Defence (Navy), until the last imperial unit is phased out.

18. The introduction of the SI metric system in Australia is a very flexible program, lasting about 10 years. Sectors of industry, and indeed individual firms, are generally at liberty to commence the production of metric articles, possibly on a piecemeal basis, to suit their own circumstances. This will add to the normal problems of many Defence (Navy) activities, particularly to those involved in material specification, procurement and stockholding.

### Method of Management of Metric Conversion in Defence (Navy)

19. The Navy Metric Conversion Committee (NMCC) will plan, co-ordinate and advise on the conversion to the SI metric system in Department of Defence (Navy) in accordance with its terms of reference, published in Navy Order 108/75. A Superintending Engineer has been appointed as both the Staff Engineer for Naval Metrication Co-ordination duties and as the Executive Secretary of the NMCC. He is based in Navy Office, Canberra, and is responsible to the Director-General Naval Design for co-ordinating and advisory functions covering all Defence (Navy) activities. All organisations should make use of the services that he can provide.

20. In view of the prolonged and flexible program for metric conversion of industry, etc, a firm plan for Defence (Navy) metric conversion cannot be compiled in more detail than the program shown in Annex A. It is therefore necessary to delegate to authorities, including Navy Office Branches and Divisions, the responsibility for metric conversion within their organisations, by application of the guidelines of National, Department of Defence, and Defence (Navy) metric conversion policies and programs, as published from time to time. Authorities are to implement metric conversion within their areas of responsibility by setting up suitable organisations and facilities: These activities are to be met within their normal facilities, personnel ceilings and funds allocations, etc.

21. Where necessary for safety, operational control, or other reasons, Department of Defence (Navy Office) will promulgate notices of mandatory conversion programs and/or conversion dates. Authorities are expected to control locally-important specific metric conversions within their own areas in a similar manner.

### Policy for New Ships, Major Equipments and Other Materiel

22. The need to obtain the most suitable ships, major equipments and specialised materiel, available in the world market is a most important factor in the future studies for new and replacement RAN ships and equipments. While certain major suppliers of ships and equipment are still designing and constructing in non-SI units, the policy will be to give these full consideration along with SI designs; however, the long-term costs and problems of the upkeep and logistic support of non-SI ships and equipments, etc, are to be carefully assessed for each design being considered, and are to be taken fully into account.

### Training Policy

23. Metric Conversion Training Policy and Principles are given in Navy Order 48/74. Training of uniformed and civilian personnel is to be arranged to ensure that the changes of the nation's educational authorities are reflected in the Defence (Navy) education and technical and specialist training syllabuses; but no such changes are to be made where a syllabus will then be out of step with the continued primary need in the RAN to use imperial units in some areas of activity for some time to come. In the future, junior new entries of all kinds will have been educated solely in metric units, and courses or lectures in 'imperial' units are to be prepared and given, as necessary, during new entry, including apprentice training.

24. Formal training in the SI metric system for all currently employed personnel is not considered necessary, however, brief courses of lectures, guidance notes, conversion information, etc, should be prepared and given to particular groups considered to require such training. The best time for such courses is immediately before starting to work in metric units. General lectures are beneficial in ensuring understanding of the change to SI units, and their preparation and presentation to as wide an audience

as possible is to be encouraged. Similarly, the spreading of general metric conversion information to all personnel by means of notice board displays, ship and establishment personnel and PR bulletins, daily orders, etc, is also to be encouraged and should be implemented on a regular basis. The preparation and issue to personnel of metric guidance notes, conversion information and data of all kinds, to cover either general or particular applications is to be arranged wherever possible.

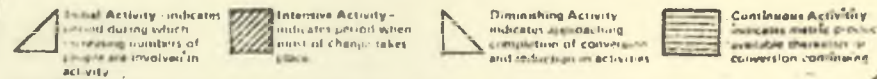
### Metric Publications

25. General information of interest to all personnel will be presented in periodical issues of 'Navy Metric Notes'. Information of interest to professional, technical and drafting personnel will be presented in periodical issues of 'Navy Metrication Technical Bulletin'. Both of these will be printed in large numbers, and should be given a wide distribution within organisations. A limited number of subscriptions have been taken up by Defence (Navy) in a 'Change to Metric Information Service' (CMIS) run by the Metal Trades Industries Association. Copies of all the CMIS publications received to-date have been distributed to Navy Office, Dockyards, GOSI and INO organisations, and this practice will continue.

26. Metric policies, practices and procedures to be used within the Naval Technical Services are laid down in the current issues of Naval Technical Services Technical Memoranda No 4 'Instructions for Preparation of Drawings', and No 5 'Introduction of the International System of Units (SI)'.

(N550/2/34)

(Navy Orders 48/74 and 108/75)



TIMETABLE FOR IMPLEMENTATION OF METRIC CONVERSION IN DEPARTMENT OF DEFENCE (NAVY)

ANNEX A Issue No: 5 Dated: June 1975

Serial	1973	1974	1975	1976	1977	1978	1979	1980	1981	Remarks
1. Issue Metrication Policies, Programmes Directives, guidance information etc.	[Initial Activity: 1973-1975]									
2. Naval Staff Requirements for Ships & Equipment.	[Interim Activity: 1974-1976] ALL METRIC									
3. New Research papers, Study Reports, etc.	[Interim Activity: 1974-1976] ALL METRIC									
4. New Ship and Equipment Designs.	[Interim Activity: 1974-1976] ALL METRIC									
5. New Design Drawings, Specifications & Supporting Documents for Ships & Equipment to be procured after 1 Jan 1976.	[Continuous Activity: 1976-1981]									
6. New ABRs, Manuals, Handbooks, reference documents	[Continuous Activity: 1976-1981]									
7. New Ship Construction	[Continuous Activity: 1976-1981]									
8. Procurement of Material	[Continuous Activity: 1976-1981]									
9.* Partial use metric system and material	[Continuous Activity: 1976-1981]									
10. Refit & Repair Ships & Equipments	[Continuous Activity: 1976-1981]									
11. Conversion Drawing Office Equipment Stationery, etc.	[Interim Activity: 1974-1976]									
12. Conversion of Standard Specifications & Drawings	[Interim Activity: 1974-1976]									
13. Conversion of ABR's Handbooks, Manuals, etc.	[Interim Activity: 1974-1976]									
14. Conversion and Procurement of Dockyard Machinery and Equipment, Tools, etc.	[Interim Activity: 1974-1976]									
15. Limited Conversion, selected Fleet Units	[Interim Activity: 1974-1976]									
16. Conversion of Shore Establishments Including Airfields.	[Interim Activity: 1974-1976]									
17. Training Administrating & Clerical personnel	[Interim Activity: 1974-1976]									
18. Training Technical personnel	[Interim Activity: 1974-1976]									
19. Training Dockyard Trades	[Interim Activity: 1974-1976]									

To be written in the appropriate units & terms. Dual-unit versions to be prepared, as necessary.

Will not be all-metric until last 'imperial' equipment is phased out.

\* Refers only to 'imperial' Ships & Equipments. Metric materiel to be used wherever practicable.

Will not be all-metric until last Imperial Ship & Equipt. is phased out. Metric equipment overhauls start about 1981; First refit of an all-metric ship about 1983.

only if & when required to support specific policy, equipment and material changes, etc.

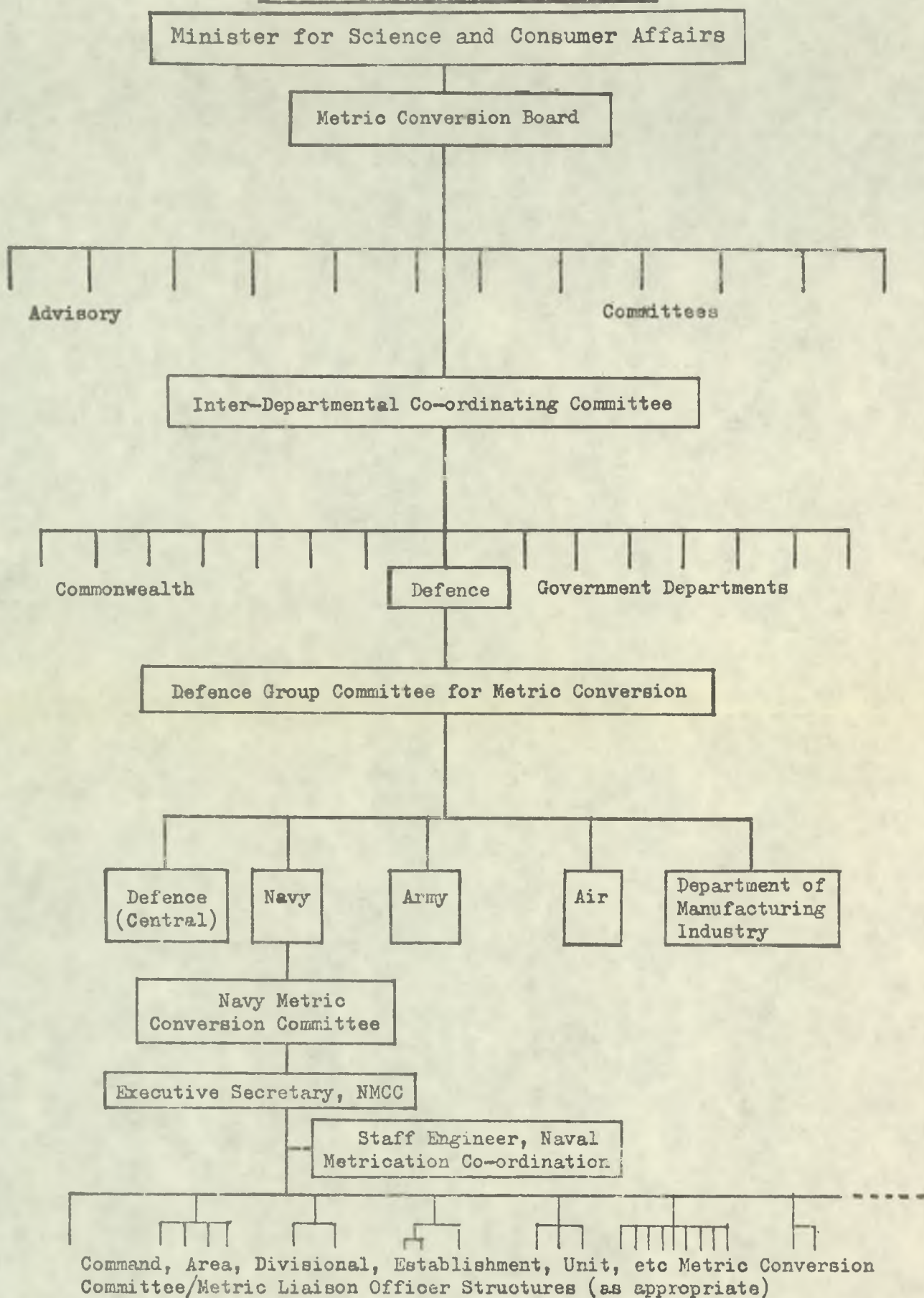
Some 'imperial' capability must be kept to support imperial Fleet Units.

Only for specified systems in nominated Units.

Will not be 100% until last 'imperial' equipment is phased out.

Also foreseen, is need for some training for new entries, until the last 'imperial' equipment is phased out. Refer also to principles in ANO 48/74.

ORGANIZATION FOR METRIC CONVERSION





DEFENSE DATA COMMITTEE FOR MILITARY COMMISSION



DEFENSE DATA COMMITTEE FOR MILITARY COMMISSION



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Historian  
Victoria Barracks  
Melbourne

ANOs 369/75-375/75



# AUSTRALIAN NAVY ORDERS

SECTION 1—ADMINISTRATIVE AND GENERAL

100/75—General Orders for RAN Officers Class Information

SECTION 4—EQUIPMENT, STORES AND SERVICES

100/75—Stores at the Navy Technical Site

100/75—General Stores—Introduction and Allocation  
Navy Office, Canberra,  
20 January 1976.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

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<i>No</i>	<i>Title</i>
<b>SECTION 1—ADMINISTRATIVE AND GENERAL</b>	
369/75	Squadron Insignia for RAN Oberon Class Submarines.
<b>SECTION 4—EQUIPMENT, STORES AND SERVICING</b>	
370/75	Formation of the Ikara Technical Unit.
371/75	General Stores—Introduction and Allowances of 7310-66-040-8709 Toaster Electrical 6 Slice.
<b>AMENDMENTS</b>	
372/75	Ammunition—Guns and Missiles—Interim Practice Allowances.
373/75	Seaman Officers Specialising in Submarines—Training and Employment from OTC to COQC.
374/75	Ships Sporting Colours.
375/75	The Defence Cataloguing System—Policy.

Additional copies of Navy Orders may be readily obtained by:

- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 4718.

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

369/75—Squadron Insignia for RAN Oberon Class Submarines

1. The 'OBERANG' insignia as worn on each side of the fin of RAN Oberon Submarines has been officially recognised as the squadron insignia of the RAN Oberon Class Submarines.

Description of Insignia

2. The insignia is in the form of a white letter 'O' with a crossing red boomerang, and will be known as an 'OBERANG'. Annex A gives the dimensions of this insignia. The insignia is manufactured from glass reinforced plastic and is detachable from fixed mountings on the submarine's fin.

Display of Insignia

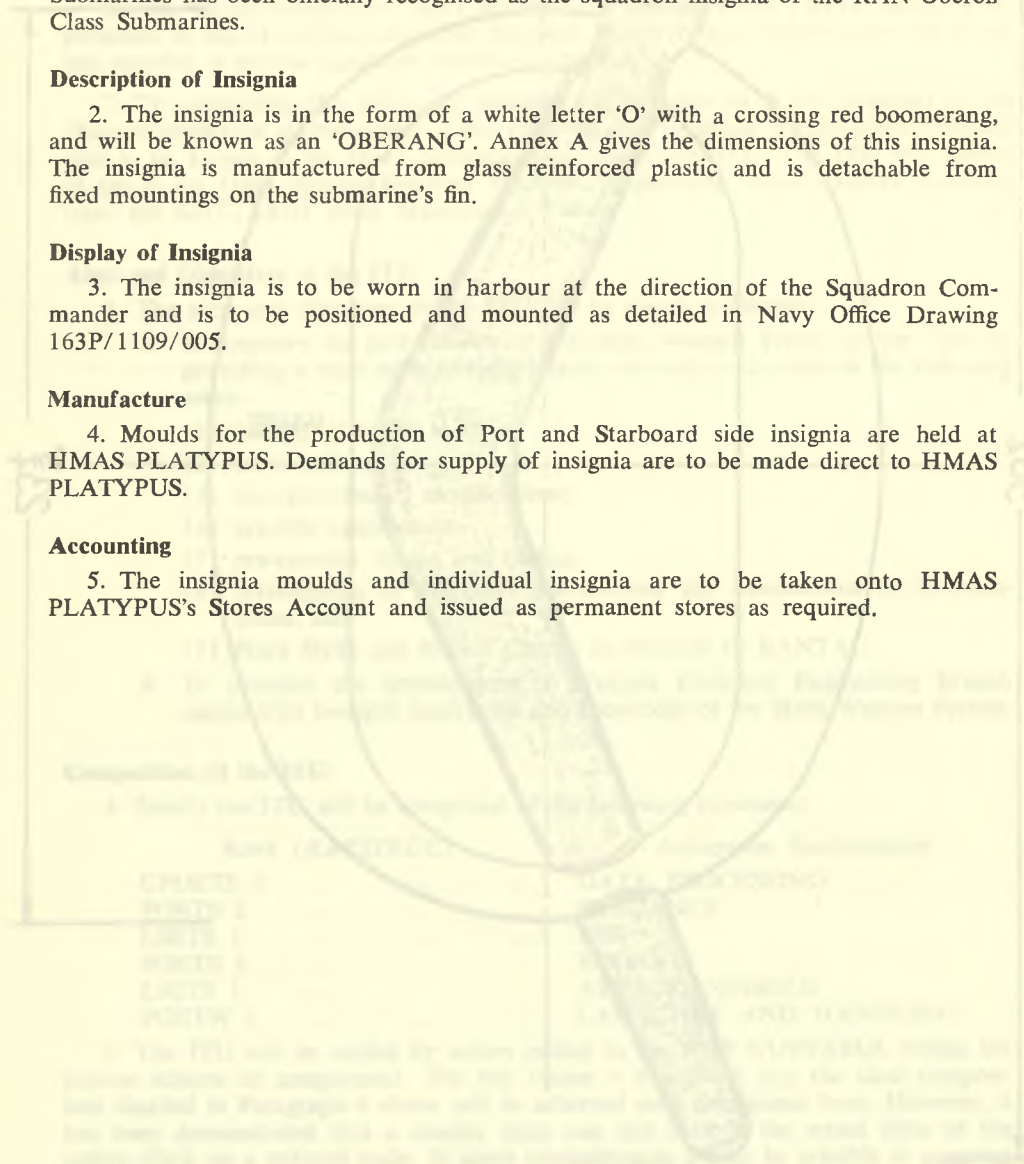
3. The insignia is to be worn in harbour at the direction of the Squadron Commander and is to be positioned and mounted as detailed in Navy Office Drawing 163P/1109/005.

Manufacture

4. Moulds for the production of Port and Starboard side insignia are held at HMAS PLATYPUS. Demands for supply of insignia are to be made direct to HMAS PLATYPUS.

Accounting

5. The insignia moulds and individual insignia are to be taken onto HMAS PLATYPUS's Stores Account and issued as permanent stores as required.



(SEE DRAWING)

CONTENTS

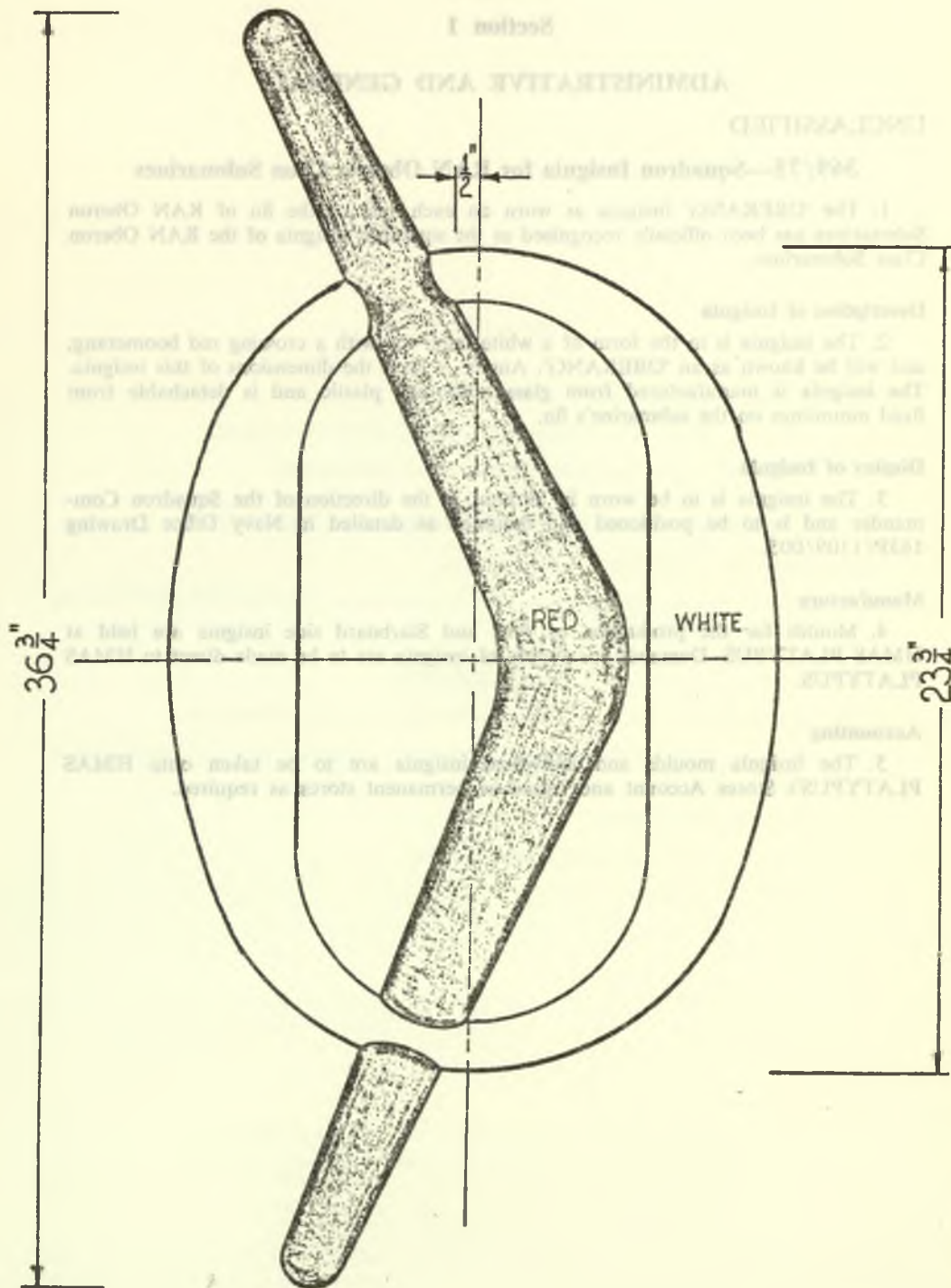
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## ANNEX A



(1218/51/1212)

## Section 4

## EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

## 370/75—Formation of the Ikara Technical Unit

## Introduction

1. The implementation of Ikara System Qualification Trials (SQTs) using RAN personnel in lieu of civilian contractors has been shown to be a feasible operation which has resulted in several significant benefits to the RAN.

2. To consolidate this policy of increased participation by RAN personnel in the Ikara maintenance support area, it has been decided to create a specialised technical unit to be known as the Ikara Technical Unit, short title ITU. The ITU will consist of up to six Ikara trained Weapons Electrical Engineering Branch sailors operating from the KUTTABUL Fleet Maintenance Party.

## Aims and Objectives of the ITU

3. The aims and objectives of the ITU can be stated as follows:

- a. To improve the performance of the Ikara Weapon System in the Fleet by providing a team of experienced Ikara maintainers to assist in the following areas:
  - (1) URDEF/INDEF tasks;
  - (2) on the job training;
  - (3) incorporation of modifications;
  - (4) pre-refit assessments;
  - (5) pre-exercise checks and tuning;
  - (6) investigation of proposed modifications and amendments to documentation; and
  - (7) Ikara SQTs and System Checks as required by RANTAU.
- b. To promote the development of Weapon Electrical Engineering Branch sailors with in-depth experience and knowledge of the Ikara Weapon System.

## Composition of the ITU

4. Ideally the ITU will be comprised of the following personnel:

Rank (RATSTRUC)		Sub-system Specialisation
CPOETS 3	.. ..	DATA PROCESSING
POETS 3	.. ..	GUIDANCE
LSETS 1	.. ..	FSE
POETS 3	.. ..	EXDAK
LSETS 1	.. ..	ATTACK CONSOLE
POETW 3	.. ..	LAUNCHER AND HANDLING

5. The ITU will be staffed by sailors posted to the FMP KUTTABUL within the present scheme of complement. For this reason it is unlikely that the ideal composition detailed in Paragraph 4 above will be achieved on a continuous basis. However, it has been demonstrated that a smaller team can still achieve the stated aims of the policy albeit on a reduced scale. In some circumstances it may be possible to augment

the ITU by assistance from STALWART FMU. This would be at the discretion of FOCAF and could be applicable if the ITU were carrying out tasks that would normally be allocated to STALWART FMU. It is envisaged that the ITU would relieve STALWART FMU of all Ikara maintenance tasks required by ships alongside at Garden Island Dockyard.

#### Management of the ITU

6. The ITU is to be managed by the Fleet Weapons and Electrical Engineer Officer who will be responsible for the allocation of tasks. It is imperative that the ITU be used exclusively in the area of the Ikara Weapons System if the aim of developing in-depth expertise is to be achieved. Ship's Weapons and Electrical Engineer Officers can seek the assistance of the ITU by a request to the Fleet Weapons and Electrical Engineer Officer who will nominate personnel to suit the type and scope of the task. The procedure for requesting ITU assistance is set out in AFGOs Chapter 18. Normal defect reporting action is still to be followed.

7. The development of in-depth expertise by the ITU will depend on its utilisation by the Fleet, and therefore Commanding Officers of Ikara fitted ships are to encourage the use of the ITU for the tasks detailed in Paragraph 3 above.

#### Selection of Sailors for the ITU

8. Sailors will be selected for the ITU and posted to KUTTABUL FMP for the ITU. The selection of a particular sailor will depend on his experience and performance as an Ikara maintainer and on the current vacant billets within the ITU. Ship's Weapons and Electrical Engineer Officers can assist in the selection process by recommending sailors on Form PP1B. The Director of Sailors Posting will endeavour to allow a minimum posting of two years for those sailors selected for ITU duties.

(N1900/1/37)

#### UNCLASSIFIED

##### 371/75—General Stores—Introduction and Allowances of 7310-66-040-8709 Toaster Electrical 6 Slice

1. As Toaster Electric Model CT4 becomes unservicable and beyond economical repair HMA ships so fitted are to return the unservicable toaster to Superintending Machinery and Spares Officer and demand in lieu 7310-66-040-8709 TOASTER ELECTRIC 6 SLICE to the following scale based on the number victualled:

#### Wardroom Pantry

	Number Victualled		
Below 30	31-80	81-160	161-200
1 ea	2 ea	2 ea	2 ea

#### Sailors' Dinning Halls

Below 40	41-100	101-200	201-300	301-600	600-900
1 ea	2 ea	2 ea	2 ea	3 ea	3 ea

(1/7310/55)

#### AMENDMENTS

#### RESTRICTED

##### 372/75—Ammunition—Guns and Missiles—Interim Practice Allowances

1. Annex A of Navy Order 8/74 is to be amended by *deleting* the table under Daring (MRS 3) and *inserting* the following:

	Daring (MRS 3) (4)	
	Trials and Workup	Monthly
SU Practice	100	16
AA Practice	Nil	Nil
NGS Practice	80	12
Starshell	20	4
REI	Nil	Nil
Marker	12	2

(725/252/19)

(Navy Order 8/74)

#### UNCLASSIFIED

##### 373/75—Seaman Officers Specialising in Submarines—Training and Employment from OTC to COQC

1. Navy Order 235/74 is to be amended as follows:

*Insert* the following new paragraphs after Paragraph 4:

#### Submarine Badge

4A. On successful completion of Submarine Initial Training, officers are awarded the Submarine Badge, which is to be worn in accordance with current uniform regulations.

#### Withdrawal of Submarine Category Notation (SM)

4B. Qualified submarine seaman officers may be formally reverted to General Service, and have the SM notation removed from their rank designation, at the direction of the Naval Board for the following reasons:

- unsuitability for continued service in submarines;
- failure to pass the Submarine Commanding Officers Qualifying Course;
- permanent medical unfitness for submarines;
- at the officers request.

4C. Recommendations for formal reversion to General Service should be forwarded to the Naval Board through the normal administrative channels.

4D. On formal reversion to General Service, and removal of the SM rank notation, the officer will still be entitled to wear the Submarine Badge unless this entitlement is specifically withdrawn by the Naval Board in a particular case.

(N456/1/22)

(Navy Order 235/74)

UNCLASSIFIED

**374/75—Ships Sporting Colours**

Navy Order 180/75 is to be amended as follows:

*Insert* colours for HMAS BANKS:

- Jumper—Black with white piping shrike (Magpie) on chest.
- Socks—Black.

(138/6/31)

(Navy Order 180/75)

UNCLASSIFIED

**375/75—The Defence Cataloguing System—Policy**

1. Navy Order 119/75 is to be amended as follows:

- a. *Delete* all reference to Navy Order 239/74 and *insert* Navy Order 239/73.
- b. *Delete* all reference to Suspect Item Numbers (SINs) and *insert* Suspect Numbers (SUS). This change is intended to avoid confusion with Set Identification Numbers allocated to record materiel applicability and for which the abbreviation SIN will continue to be used.

2. ABR 4 Article 0105 will be amended.

(400/1/1744)

(Navy Orders 239/73, 239/74 and 119/75)

UNCLASSIFIED

37475—Ship Spouting Colours

Navy Order 18075 is to be amended as follows:

Land colour for IRAS BANKS:

Funnel—Black with white piping stripes (Magenta) on chest.  
Socks—Black.

(1188031)

(Navy Order 18075)

UNCLASSIFIED

37575—The Defence Cataloguing System—Policy

1. Navy Order 11975 is to be amended as follows:

a. Delete all reference to Navy Order 23074 and insert Navy Order 23077  
b. Delete all reference to Report Item Numbers (RIN) and insert Report  
Numbers (RN). This change is intended to avoid confusion with the  
Identification Numbers allocated to record numerical responsibility and for  
which the abbreviation RIN will continue to be used.

2. Add Article D12 will be amended:

(40011744)

(Navy Order 23077, 23074 and 11975)



RESTRICTED

ANOs 376/75-387/75



Historian  
Victoria Barracks  
Melbourne

# AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,  
28 January 1976.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

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  - writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
  - telephoning Navy Office, Canberra 65 4718.

UNCLASSIFIED

JW73- Entry, Training and Promotion of Qualified Tradesmen and Engineering Associates

AMENDMENTS

CONTENTS

No Title

SECTION 2—PERSONNEL

376/75—Entry, Training and Promotion of Qualified Tradesmen and Engineering Associates.

SECTION 4—EQUIPMENT, STORES AND SERVICING

377/75 Sword Belts, Undress.

SECTION 5—BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

378/75 Information Concerning and Distribution of Publications and Amendments Managed by Executive Officer Publications, Sydney—November, 1975.

AMENDMENTS

379/75 Accounting (Stores)—Mess Gear—Accounting and Replenishment Procedures

380/75 Ammunition—Guns and Missiles—Interim Practice Allowances.

381/75 Fire Precautions—Replacement of Pre-mix Foam Fire Extinguishers.

**Section 2  
PERSONNEL**

**UNCLASSIFIED**

**376/75—Entry, Training and Promotion of Qualified Tradesmen and Engineering Associates**

1. The rules of entry, training and promotion of Direct Entry Tradesmen have been revised and now include transferees from selected General Entry sailors.

**SAILSTRUC Categories**

2. With the introduction of SAILSTRUC training in the RAN, the categories within the Technical branches have been re-defined as shown below:

<i>Branch</i>	<i>Category</i>
Marine Engineering .. .. .	Marine Technical Propulsion Marine Technical Hull
Weapons Electronic Engineering .. .. .	Electronic Technical Power Electronic Technical Weapons Electronic Technical Weapons Systems Electronic Technical Communications
Air Engineering .. .. .	Air Technical Aircraft Air Technical Weapons Air Technical Communications

3. Each of the above categories has been aligned to a trade in industry and the training procedures introduced to meet the particular Naval trade requirements have been accepted by the NSW Apprenticeship Authorities under the Apprentices Act 1969. The SAILSTRUC trained sailor is prepared for the appropriate Department of Technical Education (NSW) final civil trade course examination.

**Eligibility for Entry**

4. In reviewing the eligibility for tradesmen to enter the RAN as Direct Entry Tradesmen, it has been considered that only those tradesmen who require a minimum of Naval training to bring them to the recognised Naval trade grading, will be accepted.

5. Consequently, the number of civilian trades acceptable to the RAN for Direct Entry Tradesmen has been reduced. Based on experience gained over the past years and the requirements specified in Paragraph 4, only applicants who have completed a recognised indentured apprenticeship and hold the appropriate Department of Technical Education Trade Certificate, in one of the trades indicated in the table below, are eligible for selection.

6. The following table shows the acceptable civilian trades and the corresponding SAILSTRUC Categories:

<i>Civilian Trade</i>	<i>Corresponding SAILSTRUC Category</i>
<b>Marine Engineering</b>	
Fitter and Turner .. .. .	} Marine Technical Propulsion
Toolmaker .. .. .	
Fitter and Machinist .. .. .	
Fitter .. .. .	
Diesel Engine Fitter .. .. .	} Marine Technical Hull
Shipwright .. .. .	

Civilian Trade	Corresponding SAILSTRUC Category
<b>Weapon Electronic Engineering</b>	
Electrical Fitter .. .. .	} Electronic Technical Power or Electronic Technical Weapons (dependent on previous experience and Service requirements)
Electrical Fitter/Mechanic .. .. .	
Electrical Mechanic .. .. .	
Radio Technician (Ex-PMG, DCA) .. .. .	} Electronic Technical Weapons Systems or Electronic Technical Communications (dependent on previous experience and service requirements)
Telecommunications Technician (Ex-PMG, DCA) .. .. .	
Radio Tradesman .. .. .	
<b>Air Engineering</b>	
Aircraft Maintenance Engineer .. .. .	Air Technical Aircraft
Electrical Instrument Fitter—Aircraft Industry .. .. .	Air Technical Weapons
Electrical Fitter—Aircraft Industry Radio Trades .. .. .	Air Technical Communications

Any sailor already serving who meets the requirements of Paragraph 5 above may on application be granted permission to transfer to the Direct Entry Tradesman stream. Before such a transfer is agreed by the Department of Defence (Navy Office) the following procedure is to be met.

#### Initial Selection Procedure

7. Naval Recruiting Officers on receipt of a request for entry, or Commanding Officers on receipt of a request for transfer into RAN Direct Entry Tradesman stream, are to forward to Commanding Officer HMAS NIRIMBA:

- a certified copy of the applicant's successful completion of Civilian Apprenticeship;
- a certified copy of the applicant's successful completion of the appropriate Department of Technical Education Trade Certificate;
- details of the applicant's background; and
- recommendation for entry or transfer, including comments by a psychologist.

8. From information received vide Paragraph 7, HMAS NIRIMBA is to forward to Department of Defence (Navy Office) a recommendation as to the suitability of the candidate for further testing.

9. Selected Direct Entry Tradesmen applicants including Transferees will be directed by Department of Defence (Navy Office) to proceed to HMAS NIRIMBA and to be tested for the category nominated in:

- skill of hand (test job);
- Engineering Theory examination; and
- Engineering Practice (oral examination conducted by an Engineer Officer of the relevant branch).

10. On completion of testing listed in Paragraph 9 HMAS NIRIMBA is to recommend:

- acceptance/rejection of candidate's qualifications,
- detail follow up training of category nature using modules from Apprentice, General Entry Phase II and Mechanician courses, for Marine Engineering and Weapons Electronic Engineering sailors. This training should not exceed six months, and will be given at HMAS NIRIMBA. Tradesmen entered in the Air Engineering Branch will be trained at NAS NOWRA where they are to complete the appropriate category Direct Entry Air Technical Tradesman's course.

#### Skill Grading on Entry

11. Trade training for all but the Apprentice Entry of sailors in the Technical Categories is divided into three phases and a Grade of Skill is awarded after the completion of each phase.

12. The Navy trained tradesman is awarded the Grade 3 level of skill on completion of formal trade training and relevant Task Books covering his on-the-job category training.

13. The Direct Entry Tradesman will be introduced into this structure at the Grade 1 level which will allow him to adapt to the Navy's employment of tradesmen within one of the Categories listed in Paragraph 2. The point of introduction at Grade 1 will be determined by the area of experience to which he was subjected during and subsequent to his apprenticeship period.

#### Rank on Entry

14. Direct Entry Tradesmen will be entered in the rank of Seaman. Subsequent promotion will be in accordance with the rules detailed in the relevant Branch Chapter of ABR 10.

15. Form PH14, in the space under Title, will be annotated with the rank and title on entry (eg SMNMTP Direct Entry Tradesman), as an indication of the different promotion and training rules applicable.

#### Rank Nomenclature

16. Titles of Direct Entry Tradesmen will accord with the basic titles for their category.

#### Initial Training

17. Successful applicants, on entry in the rank of Seaman, undergo the basic recruits course at HMAS CERBERUS. Thence, depending on their specialisation, they will undergo at HMAS NIRIMBA those modules of Naval Trade training recommended by HMAS NIRIMBA, during initial screening of the applicant. This is to acquaint the newly entered Tradesmen with the peculiarities of their trade when applied to Naval conditions. On completion of this training, the sailor will be equal to at least the Naval Apprentice on promotion to Seaman Grade 1. The duration of the Naval Trade Training at HMAS NIRIMBA is not to exceed six months unless approved by Department of Defence (Navy Office).

#### Trade Task Book

18. On completion of training at HMAS NIRIMBA, the sailor, entered as a Direct Entry or Transferred into this stream, will be issued with an Apprentice Task Book Part 1 and 2 which has had all tasks that are considered to have been completed during the sailor's Civilian Trade training signed off as 'Not Applicable' by HMAS NIRIMBA.

**Advancement in Skill Grade**

19. Direct Entry Tradesmen and transferees will progress in skill grade in accordance with the following table:

Grade		Requirements
<i>From</i>	<i>To</i>	
SMN*	SMN1	on completion of training at HMAS NIRIMBA
1	2	on completion of Part I of Apprentice Entry Trade Task Book as amended prior to leaving HMAS NIRIMBA
2	3	on completion of Part II of Apprentice Entry Trade Task Book

**Promotion for Direct Entry Tradesmen**

20. a. qualifications for promotion follow those required for the SAILSTRUC Apprentice Entry sailor;
- b. promotion to Able Seaman will be 12 months service from the date of promotion to Seaman Grade 1;
- c. eligibility for promotion to Leading Seaman will be two years from promotion to Seaman Grade 1 and will be on a competitive basis and subject to vacancies in the aspired rank; and
- d. further promotion will be in accordance with regulations contained in ABR 10.

**Promotion for transferees to Direct Entry Tradesman Stream**

21. a. qualifications for promotion follow those required for the SAILSTRUC Apprentice Entry sailor;
- b. for the sailor who transfers to the Direct Entry Tradesman stream:
- (1) as a Seaman\* .. .. promotion to Able Seaman will be 12 months service from the date of promotion to Seaman Grade 1;
- (2) as a Seaman Grade 1 .. promotion to Able Seaman will be 12 months service from the date of promotion to Seaman Grade 1;
- (3) as Able Seaman Grade 1 .. retains seniority in that rank and further promotion is subject to Paragraph 20 (c); and
- (4) as Leading Seaman .. revert to the rank of Able Seaman with their previous seniority for that rank and skill grade level of 1. Promotion to Leading Seaman requires completion of Part II of Apprentice Entry Trade Task Book and will be on a competitive basis and subject to vacancies in the aspired rank.

**Engineering Associates**

22. Applicants who hold a recognised Engineering Associate/Certificate of Engineering Qualification will follow the same procedure of training, advancement and promotion, and will, on successful completion of Phase IV training, and advancement skill grade 4, be credited with this qualification.

**Pay**

23. Direct Entry Tradesman will be paid pay applicable to their rank and skill grade from date of entry.

**Implementation**

24. The above rules are effective for Direct Entry Tradesmen entered, or transferred from General Entry Stream, from 1 January 1976. ABR 10 and ABR 27 should be noted accordingly pending promulgation of amendments to those publications.

25. Navy Order 240/74 is hereby cancelled.

(342/28/2)

(Navy Order 240/74)

**Section 4****EQUIPMENT, STORES AND SERVICING****UNCLASSIFIED****377/75—Sword Belts, Undress**

1. The size range of Sword Belts, Undress has been rationalised and the following sizes will be stocked in future:

Waist	Size (inches)		Repayment	Loan
	Drop	Swing		
	Sling			
32	26	12	8465-66-088-5188	8465-66-088-5195
32	28	14	8465-66-073-3283	8465-66-073-9605
35	26	12	8465-66-088-5189	8465-66-088-5196
35	28	14	8465-66-088-5190	8465-66-088-5197
38	26	12	8465-66-073-3279	8465-66-073-9618
38	28	14	8465-66-073-3285	8465-66-073-9621
41	26	12	8465-66-088-5191	8465-66-088-5198
41	28	14	8465-66-088-5192	8465-66-088-5199
44	26	12	8465-66-088-5193	8465-66-088-5900
44	28	14	8465-66-088-5194	8465-66-088-5901

2. Each size of Sword Belt allows for adjustment of the waist measurement through a range of three inches. Slings may be lengthened by two inches or shortened as necessary. A sling shortened appreciably would need to have the end cut and re sewn and this can be done by arrangement with the SVSO, Sydney.

3. The following old sizes of Sword Belts, Undress, will be available for issue until stocks are exhausted:

Size	Repayment	Loan
30 x 28 x 14	8465-66-073-3281	8465-66-073-9602
30 x 28 x 15		8465-66-073-9603
48 x 30 x 17	8465-66-073-3294	8465-66-073-9638

(1/8465/15)

## Section 5

## BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

## UNCLASSIFIED

## 378/75—Information Concerning and Distribution of Publications and Amendments Managed by Executive Officer Publications, Sydney—November, 1975

1. The annexes list publications and amendments distributed, declared obsolete, superseded, etc, during November, 1975.

2. Allowances for ships and establishments, as distinct from gratuitous and repayment issues will be issued without demand by the Publications Authority, Box 706 PO, Darlinghurst, NSW 2010, in accordance with an approved scale and automatic updating is provided.

3. Holders of basic publications are reminded that only those issues recorded on NAV-PUB will be updated without demand (Navy Order 158/74 refers).

4. Changes issued to publications held as advance copies or to publications not on general distribution are not reflected in Navy Orders.

## Gratuitous Issues

5. Where it has been decided that a gratuitous or personal issue of a publication will be made, a Navy Order detailing the basis of issue and the personnel concerned, and instructing ships and establishments to obtain their requirements, for this purpose, through their Supply Officer will be promulgated.

6. Supply Officers should place demands on the Publications Authority, Box 706 PO Darlinghurst, NSW 2010, for the total number of copies required in their respective ship or establishment, on Form SO150 (Navy Order 236/74 refers), stating the reason for the requirement and quoting the relevant Navy Order. The publications are to be accounted for by the Supply Officer in accordance with ABR4, Article 1301 and Article 2512.

7. Automatic updating is not provided for copies of publications on gratuitous issue and demands for updating should be placed on the Publications Authority, Box 706 PO Darlinghurst, NSW 2010, upon notification of its availability in Navy Orders. Form SX40 should be used for demanding changes and the form should clearly state 'Required for amending Personal Issue Copies'.

## Repayment Issues

8. If it has been approved that a publication should be made available from Departmental stocks, for sale to certain categories of personnel, a Navy Order will be promulgated detailing the bases of issue and the rate to be charged to personnel concerned.

9. Supply Officers should place demands on the Publications Authority, Box 706 PO Darlinghurst, NSW 2010, for the copies required, on Form SO150 quoting the reason for requirement and the relevant Navy Order. The publications are to be accounted for by the Supply Officer in accordance with ABR4 Chapters 13 and 25.

10. Automatic updating is not provided for copies of publications issued on repayment, and demands for updating should be placed on the Publications Authority, Box 706 PO Darlinghurst, NSW 2010, upon notification of its availability. Again Form SX40 should be used for demanding these changes and the form should clearly state 'Required for amending Repayment Issue Copies'.

11. Issues, etc, of periodicals and magazines are not to be included in monthly Navy Orders.

## ANNEX A

## Initial Issue of Basic Publications to Approved Holders

Publication No	Title	Edition
AAP 997.259	Precision Measuring Equip. Laboratory Technician—Syllabus of Ground Training Course	75
ABR 5212	34 ft Survey Motor Boat—Jet Version	75
ABR 540 (6)	Ikara—Systems Support Equipment	75
BR 1964 (2) A	H/Bk for Submarines of the Porpoise and Oberon Classes—Main Vents and Kingstons as fitted to modernised Oberon Class	73
BR 2117	Gemini Craft	68
BR 2768 (20)	H/Bk for TC SS9 MOD 0 and MOD 1—Pt 5.14	73
BR 2807 (1) A	H/Bk for Diving Equip. Sect 1 Diving Breathing Apparatus—Sub Sect 1A—Swimmers Air Breathing Apparatus (SABA)	74
BR 3008	Manual of Materials and Processes—Mechanical Engineering	73
BR 333 (1) V1	Summaries of Data of Radio Equipment (Ships and Shore Stations)—V1	71
BR 333 (1) V2	Summaries of Data of Radio Equipment (Ships and Shore Stations)—V2	71
BR 3708	Hamworthy Dolphin Centrifugal Pumps	70
BR 4256 (5) (1)	Unit and Assembly Information (Outfit UA8)	73
BR 4256 (5) (2)	Unit and Assembly Information (Outfit UA9)	73
BR 6521 (201)	12 Group and 6 Group Fire Detection Units—VCS Units Types 255 and 256	73
E LIST—E1339	Fitting Maintenance and Tuning Stores for Aerial Outfit AYO (1) and (2)	—
E LIST—E1343	Type Aerial EAT (1) and (2)	74
E LIST—U178	For Sonar Set Type 162 Series	69
E LIST—U299	Amplifier Assembly Mk 137AA and Resistor Assembly	75
MISC PUB 0046	HSV—R—2000/IN Hoofdstuk A Sleutellijst Koopdelen (12NC)	75
MISC PUB 0047	HSV—R—2000/IN Hoofdstuk B Sleutellijst Product Nummer (Oude)	75
MISC PUB 0048	HSV—R—2000/IN Hoofdstuk C Sleutellijst Koopdelen (NAAM)	75
NA 15—01—500	Preservation of Naval Aircraft—Tech. Manual	70
NA 17—20BEZ—4	Pt No 3153650 Sonar Transducer Simulator SM—412/AQM—14	71
NA 19—600—27—6—2	Turbine Engine GTC 85—72—73 Trailer Mounted Container	73
NS 0967—459—2010	Decoder Group AN/UPA 59A V1 and V2	74
PIL 001—1007290	LU/19 Lucas Torch Igniters for Main Boilers	75
TEM—5825—0003	Tech. Manual RF Amplifier A 1103—2(75) Aiken Electronics	—
TEM—5915—0001	Service Man.—PV 133 Series Filters for Shoal Bay Plessey Pub. 4325	—
TEM—5985—0008	Tech. Man. RMCO 112—1 and RMCO 116—1 HF Multi-Couplers—Aiken Electronics	—
TEM—6110—0003	Solotron Line Voltage Regulator—Oper. and Trouble Shooting Manual	—
TEM—6130—0002	Power Supply H/Bk A Series ASC—ATC—COUTANT Electronics	—
TEM—6625—0033	Programable RF Millivoltmeter d—1172 H/Bk Boonton Electronics	—
TEM—6625—0034	Hewlett Packard Oscilloscope 140B Op/Service Manual	—
TEM—6625—0035	Hewlett Packard Time Domain Refractometer 1415A OP/Serv. Manual	—
TEM—6625—0036	Hewlett Packard Vector Voltmeter 8405A Op/Serv. Manual	—
TEM—6625—0037	Hewlett Packard HF Signal Generator 606B Op/Serv. Manual	—

ANNEX B

Amendments Issued to Approved Holders of Publications

Publication No	Amendment/Change
AAP-ABO-SE .. .. .	E92, E93, E94, E95, E96, ISS.908, ISS.909
AAP-ABO-SH .. .. .	H20
AAP-ABO-SN .. .. .	N20-75
AAP-ABO-ST .. .. .	T51
AAP 1127 .. .. .	5
AAP 1130 .. .. .	5
AAP 7001.006-1 .. .. .	24
AAP 7002.012-2 .. .. .	28
AAP 7053.001-1 .. .. .	9
AAP 7086.001-1 .. .. .	3
AAP 7111.009-3-1 .. .. .	22
AAP 7210.010-100 .. .. .	23
AAP 7210.010-3 .. .. .	3
AAP 7211.005-100 .. .. .	132
AAP 7211.006-100 .. .. .	294
AAP 7211.006-4 .. .. .	5
AAP 7211.015-2-1 .. .. .	19, 20, 21
AAP 7211.015-3-2 .. .. .	6
AAP 7211.015-4-1 .. .. .	8
AAP 7212.001-100 .. .. .	241
AAP 7212.001-2-1 .. .. .	39, 40
AAP 7212.001-2-2 .. .. .	20
AAP 7212.001-2-3 .. .. .	37
AAP 7212.001-3 .. .. .	36, 37, 38
AAP 7212.001-99 .. .. .	20
AAP 7225.002-3M .. .. .	10, 11
AAP 7276.158-3M .. .. .	8
AAP 7278.129-3M .. .. .	7
AAP 7291.008-100 .. .. .	9
AAP 7291.008-2M .. .. .	1
AAP 7293.026-3M .. .. .	17
AAP 7293.029-3M .. .. .	8
AAP 7293.050-3M .. .. .	11, 12
AAP 7293.052-3M .. .. .	7, 8
AAP 7293.055-3M .. .. .	12, 13
AAP 7293.056-3 .. .. .	7, 8
AAP 7294.016-3M .. .. .	4
AAP 7294.017-3M .. .. .	16
AAP 7294.019-3M .. .. .	5
AAP 7294.030-3 .. .. .	14, 15
AAP 7334.001-100 .. .. .	33
AAP 7334.001-2 .. .. .	37
AAP 7334.001-3 .. .. .	13
AAP 7415.042-3 .. .. .	4
AAP 7431.042-3M .. .. .	4
AAP 7432.137-3M .. .. .	2
AAP 7442.012-3M .. .. .	5
AAP 7494.006-3M .. .. .	5
AAP 7494.009-3M .. .. .	6

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Publication No	Amendment/Change
AAP 7500.001-99 .. .. .	39
AAP 7510.001-100 .. .. .	84
AAP 7511.012-3M .. .. .	6
AAP 7513.055-3 .. .. .	3
AAP 7521.003-3M .. .. .	16
AAP 7521.042-3M .. .. .	8, 9
AAP 7524.031-3M .. .. .	10, 11
AAP 7532.028-3M .. .. .	7
AAP 7533.006-3M .. .. .	7
AAP 7550.001-1 .. .. .	11
AAP 7619.010-3M .. .. .	4
AAP 7600.500-14 .. .. .	28, 29, 30
AAP 7831.022-3-1 .. .. .	10
AAP 7832.021-3M-2 .. .. .	1
AAP 996.29 .. .. .	3
AAP 996.92 .. .. .	11, 12
AAP 998 .. .. .	8
ABR 5020 .. .. .	11
ABR 5132 .. .. .	1
AP RAN 1 V1 .. .. .	8
AP RAN 100 V1 P8 .. .. .	52
AP RAN 100 V1 P11 .. .. .	21
AP RAN 100 V2 P10 .. .. .	97
AP RAN 100 V2 P11 .. .. .	65, 67, 68
AP RAN 100 V2 P19 .. .. .	2
AP RAN 100 V2 P7 .. .. .	130, 131, 135, 136, 137, 141
AP RAN 100 V2 P8 .. .. .	105
AP RAN 100 V2 P9 .. .. .	67
AP RAN 102 I3 .. .. .	12
AP RAN 19 V2 B1 B2 I2 .. .. .	119
AP RAN 2097 .. .. .	8
AP RAN 300-1-4.2 .. .. .	A/AIL 2
AP RAN 300-2-1 .. .. .	WSK 107-1A, WSK 111-1, WSK 90-1A, A/AIL 3, A/AIL 4, A/AIL 5, A/AIL 6, A/AIL 7, A/AIL 9
AP RAN 301-2-2 .. .. .	REV 29
AP RAN 500 V2 P1 .. .. .	271, 274, 278
AP RAN 500 V2 P2 .. .. .	104
AP RAN 500 V4 P1 .. .. .	62
AP RAN 500 V5 .. .. .	78
AP RAN 500 V5 P1 S2 I2 .. .. .	10
AP RAN 600 V1 B1 .. .. .	1
AP RAN 600 V2 P1 I2 .. .. .	138
AP RAN 600 V5 .. .. .	95, 96
AP RAN 600 V5 P1 S3 I2 .. .. .	7
AP RAN 63 V2.. .. .	46
AP RAN 73 V1 V3 V6 .. .. .	4
AP RAN 8B V2 P3 .. .. .	26, 27, 28, 29, 30, 31
AP RAN 8B V5 P1 S2 I2 .. .. .	3
AP RAN 8 V2 B1 B2 B3.. .. .	AIL 313
AP RAN 8 V5 .. .. .	87

ANNEX B—continued

Publication No	Amendment/Change
AP RAN 9B V3 PI	AIL 18
BR 1066	70
BR 184 (3)	26, 27
BR 191	7
BR 2117	1, 2, 3
BR 2139 (MODS)	18, 19
BR 2139 (3)D (A)	12
BR 2139 (4)	11
BR 214 (MODS)	6
BR 217 (MODS)	14
BR 217 (4)	8
BR 2182 (MODS)	6
BR 2226 (MODS)	12, 13, 14
BR 2226 (2)	9
BR 2382 (MODS)	1
BR 2422 (1)	16
BR 2491	1, 2, 3, 4
BR 2499 (7)	14
BR 2752 (3)	4, 5, 6
BR 2768 (13)	4
BR 2768 (16)	6, 7
BR 2780 (4C)	3
BR 3001	6
BR 320E	SUP. APR. 75, SUP. FEB. 75, SUP. MAR. 75
BR 320F	SUP. MAR. 75
BR 333 (1) V2	1
BR 333 (4)	14
BR 3601	21
BR 4022	1
BR 4256 (5) (1)	1, 2
BR 4256 (5) (2)	1
E LIST-C100	16
E LIST-E1289	24
E LIST-E1201	4
E LIST-E1315	3
E LIST-S1664	1
E LIST-U254	1
E LIST-U256	3
E LIST-U276	2, 3
E LIST-U445	3
MBR 8001 V1	ISS. 82
MBR 8074	SUPP. 17
MBR 8868	COR 10/75
MISC PUB 0031	AMDT. 16, CHAD. 16
MISC PUB 0032	T/LETTER 038
NA 01-40AVC-1	CHG. 1/4/74
NA 01-40AVC-1B	CHG. 1/4/74
NA 01-40AVC-2-2-4	RAN 10
NA 01-40AVD-2-2-3	RAN 6
NA 01-40AVD-2-2-4	RAN 3

ANNEX B—continued

Publication No	Amendment/Change
NA 01-85SAD-2-10	RAN 6
NA 02-35GN-502	RAN 14
NA 02B-10DAA-6-2	RAN 14
NA 03-5AA-126	RAN 1
NA 03-5FBS-4	RAN 1
NA 03-55AB-4	RAN 4
NA 11-75A-63	RAC 2
NA 16-30APN 141-3	RAN 2
NA 16-30APN 153-2	RAN 5
NA 16-35TS 2362-1	RAN 3
NA 19-105BC-1	RAN 3
NAV SUP 4105	1 OCT 75
OP 2238	1
OP 3455	2, 3, 4
TM3-4240-258-14	2
WAP 112C-0407-13A	A/AIL 1
WAP 113D-0918-1	A/AIL 1

ANNEX C

Publications Declared Obsolete or Superseded

Publication No	Title	Remarks
BR 888	Naval Medical Branch Ratings Handbook	.. Obsolete

ANNEX D

Publications of which Stock is Exhausted

Publication No	Title
BR 1136	Gun Direction System Mk 5—Ships Officers Drawings
BR 1898 Vol 2 Pt 28	Gunnery Manual Vol 11 Pt 28—Gun Construction and Testing
BR 2125 (6)	Servicing Instructions for Sonar Type 170 Series Volume VI ACU Tester and Voltage Measuring Unit
BR 2525	Weapons Equipment Spare Parts Identification Lists—Director
WP 88115/04	Aiming Binocular Sight Mk 2 for MRS 3 and FPS 5 MOD. 1

(465/61/228)

(Navy Orders 158/74 and 236/74)



Amendments

UNCLASSIFIED

379/75—Accounting (Stores)—Mess Gear—Accounting and Replenishment Procedures

1. Navy Order 293/75 is to be amended as follows:

Delete existing Paragraph 3 e. (1) (a) and insert the following in lieu:

Permanent and consumable mess gear issues are to be recorded in the appropriate Furniture Inventory (SD 102-9 Series) and an annual rental charge of 8% of the total value shown in ABR 5074, RAN Catalogue of Materiel, applied. Variations to this rental charge are only to be made in accordance with Article 3305.

(N20/9/2)

(Navy Order 293/75)

RESTRICTED

380/75—Ammunition—Guns and Missiles—Interim Practice Allowances

1. Navy Order 8/74 is to be amended as follows:

Annex A, Table A. Delete existing starshell allowances for M22 fitted Darings and insert the following:

Post Refit Trials and Workup	Post MCD Workup	Monthly
60	30	8

Annex A, Table E1. Delete existing Table and insert the following:

Weapon	Personnel	Allowance
7.62 L1A1	100 per cent officers and sailors	96 ball
7.62 L2A1	10 per cent sailors	132 ball (up to 25 per cent may be tracer)
9 mm SMG	100 per cent officers 30 per cent sailors	70 ball 70 ball
9 mm Pistol	100 per cent officers (including trainees) 30 per cent sailors	30 ball 30 ball
.22 inch Rifle	100 per cent trainees at CRESWELL, NIRIMBA, LEEUWIN and CERBERUS	90 ball

2. Confidential Navy Order 22/75 is hereby cancelled.

(725/52/371)

(Navy Order 8/74 and Confidential Navy Order 22/75)



**RESTRICTED**

28172

19

UNCLASSIFIED

28172—Fire Preventions—Replacement of Pre-mix Foam Fire Extinguishers

1. New Order 2074 is to be awarded as follows:

Paragraph 2, line 4, delete "10" and insert "2.27 kg."

(40011810)

(New Order 2074)

New Order 24672 to 28172 will not be issued.



ANOs 382/75-389/75

*Historian &  
Victoria Barracks  
Melbourne*

# AUSTRALIAN NAVY ORDERS

SECTION 1—ADMINISTRATIVE AND GENERAL

NAVY DEPT/NAVY General Messengers

SECTION 2—RECRUITMENT, TRAINING AND ADVANCEMENT

NAVY Appointment of a General Service of Maritime Force from and other ships in the RAN

Navy Office, Canberra,

30 January 1976.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

382/75-DEFNAV General Messages

- 1. To be disseminated with Navy Order 382/75 in the name of the DEFNAV General Messages in 1. History & Purpose 2. Action 3. 1975 Issues
- 2. Navy Order 382/75 is hereby cancelled.

CONTENTS

The following 4 messages are:

No	Title
382/75	DEFNAV General Messages.
<b>SECTION 4—EQUIPMENT, STORES AND SERVICING</b>	
383/75	Introduction of a Revised System of Marking Wire Rope and Other Slings in the RAN.
384/75	Polyurethane Painting Health Hazards and Waste—Disposal Instructions.
385/75	Stores General—Allocation of Accounting Control Numbers in Lieu of Temporary Stock Numbers.
386/75	Stores General—Reports of Losses and Deficiencies of Stores.
<b>AMENDMENTS</b>	
387/75	Accounting (Stores)—Accounting for Loan Bedding and Anti-Flash Gear.
388/75	Will Not be Issued.
389/75	Naval Metrication Committee.

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

383/75—Introduction of a Revised System of Marking Wire Rope and Other Slings in the RAN

- 1. In the marking of Safe Working Load and use information on lifting slings, information have been incorporated into the method described and wherein the ultimate information is stamped on a metal plate which is fast secured with the pin. With constant usage it is not unusual for the plate to be dislodged, resulting in the lack of safety.
- a. the sling being used for 20% exceeds the rated Safe Working Load; or
- b. damage to the fibres on the sharp edges of the damaged plate.

Additional copies of Navy Orders may be readily obtained by:

- signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- writing to 'Secretary, Department of Defence (Navy Office). Attention, Controller of Publications', or
- telephoning Navy Office, Canberra 65 4718.

**Section 1**

**ADMINISTRATIVE AND GENERAL**

UNCLASSIFIED

**382/75—DEFNAV General Messages**

1. In accordance with Navy Order 341/74 the state of DEFNAV General Messages as at 1 January is shown at Annex A to this order.
2. Navy Order 338/75 is hereby cancelled.

**ANNEX A**

1. The following F messages may be withdrawn:

1975

105, 188, 190, 195, 205, 213, 222 (not issued), 234.

2. As at 0001Z January the following F messages were in force:

1975

1, 2, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 50, 51, 52, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 67, 68, 69, 70, 71, 73, 74, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 129, 130, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 174, 175, 176, 178, 180, 181, 182, 183, 184, 185, 186, 187, 189, 191, 192, 193, 194, 196, 197, 198, 199, 200, 201, 202, 203, 204, 206, 207, 208, 209, 210, 211, 212, 214, 215, 216, 217, 218, 219, 220, 221, 222, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260.

(77/1/14)

(Navy Order 338/75)

**Section 4**

**EQUIPMENT, STORES AND SERVICING**

UNCLASSIFIED

**383/75—Introduction of a Revised System of Marking Wire Rope and Other Slings in the RAN**

1. In the marking of Safe Working Load and test information on lifting slings, difficulties have been encountered with the method currently used wherein the relevant information is stamped on a metal plate which is then secured with wire ties. With constant usage it is not unusual for the plate to be dislodged, resulting in the risk of either:
  - a. the sling being used for lifts outside its rated Safe Working Load; or
  - b. laceration to the hands on the sharp edges of the dislodged plate.

2. To overcome these hazards, two alternative methods of marking are hereby promulgated: Method A—for slings which have 'Talurit' terminal fittings, and Method B—for slings not fitted with 'Talurit' terminal fittings.

3. Method A—the test particulars will be imprinted using dies, in the 'Talurit' swaged sleeve.

4. Method B—

- for wire slings: the test particulars will be imprinted using dies, in heat shrinkable black plastic tubing while heated; and
- for fibre rope slings: the test particulars will be imprinted on aluminium 'DYMO' type tape and covered with clear transparent heat shrinkable plastic tubing.

5. The following types of heat shrinkable tubing have been introduced for use with Method B and are available on demand from the Superintending Electrical Store Officer (Depot Code 0094) Sydney NSW.

a. Stock Number	Description	Part Number
5970-66-056-7064	INSULATED SLEEVING ELECTRICAL	MCS 3-12
5970-66-056-7066	INSULATED SLEEVING ELECTRICAL	MCS 9-12
5970-66-056-7067	INSULATED SLEEVING ELECTRICAL	MCS 14-12

- the sleeving is clearly marked with the minimum expanded diameter and maximum recovered diameter both in inches and millimetres. The sleeving is designed with a shrinkage ratio of 3 : 1.

c. Wire Slings

- The range of existing tubing sizes in accordance with Paragraph 3 b. is as follows:

Part number	Minimum expanded ID		Maximum recovered ID		Use with wire rope/circ. size	
	inches	nom. mm	inches	nom. mm	size	size
MCS 3-12	1.2	30.5	0.3	7.6	1"	1½"
MCS 9-12	1.9	48.3	0.6	15.2	2"	4"
MCS 14-12	2.5	63.5	0.9	22.9	4½"	6½"

- When the range of tubing sizes shown in Paragraph 3 b. above are depleted the revised range will be supplied as follows:

Part number	Minimum expanded ID		Maximum recovered ID		Use with wire rope	
	inches	mm	inches	mm	Min. size	Max. size
WCS 300-12-A	1.20	30.5	0.30	7.6	(1") 8 mm	(1½") 14 mm
WCS 600-12-A	2.00	50.8	0.60	15.2	(2") 16 mm	(4") 32 mm
WCS 1000-12-A	3.30	83.8	1.00	25.4	(4½") 36 mm	(7") 56 mm

d. Fibre Rope Slings

Stock number	Description	Expanded ID	Use with rope
5970-00-767-0511	HEAT SHRINK TUBE CLEAR POLYOLFIN CP 150	(¾") 9 mm	(1½" and 2") circ. 12 and 16 mm diameter
5970-00-990-9911	HEAT SHRINK TUBE CLEAR POLYOLFIN CP 150	(1") 25.4 mm	(2" and 2½") circ. 16 and 20 mm diameter
5970-00-717-1474	HEAT SHRINK TUBE CLEAR POLYOLFIN CP 150	(1½") 38.1 mm	(3", 4" and 4½") circ. 24, 32 and 36 mm diameter

6. The method of application is as follows for Method B:

- Cut length of tube to suit approximately half the length of splice and sufficient length to allow for SWL marking etc.
- Slide length of tube over item to be covered. When using on slings to cover splice, it must be put on the wire rope before splicing begins.
- After completion of splicing attach 2 no. lengths of 12.7 mm x 0.15 mm aluminium tape (DYMO embossing tape) along spliced end to be marked. Strips are attached to opposite sides of the wire to correspond with the flat sides of the eye and are temporarily secured by tying ends with twine. The purpose of fitting strips under the sleeving is to provide a flat smooth surface for imprinting of markings.
- Shrink the tubing by applying heat with a 'Varaflame' heat gun, for wire slings. As heat is applied move the source back and forth and around the tubings. Shrink from the centre of the tubing towards the end to avoid trapping air inside the tubing.
- When using the Varaflame gun, do not allow the flame to dwell on any one section as this will burn and damage the tubing.
- When the tubing has shrunk enough to assume the configuration of the splice and the sealant is seen to flow, discontinue heating.

Note: Additional heating will not make the sleeve shrink tighter.

- While the tubing is still hot and in the plastic state, imprint the following information on the flat surface of the tubing over the aluminium strips, on one side only, with 10 mm die stamps:
  - Dockyard or Establishment Identity letters, eg, GID;
  - Month/year of test, eg, 6/75 signifying that the sling was tested in June 1975.
- After testing the sling, heat the flat surface of the tubing with a low burning Varaflame torch on the opposite side to the Dockyard Identity and date information, and imprint the safe working load data with die stamps as before (eg, SWL 6000 KG).
- No overlap is required when sleeve is used as a service on the splice.

7. In the case of cordage slings formed from either natural or synthetic fibres the Method B procedure is similar except for the following:

- Clear heat shrinkable tubing is used and identification markings are imprinted on 'DYMO' type embossing tape placed under the tubing.
- Heat is applied with a hot air blower instead of Varaflame heat gun to prevent damage to the cordage.

(400/1/2936)

UNCLASSIFIED

### 384/75—Polyurethane Painting Health Hazards and Waste—Disposal Instructions

#### Introduction

1. Paint products are vital to the proper upkeep and protection of the Navy's fighting equipment. One type of paint which has just about taken over as the prime product used on naval aircraft is Aliphatic Polyurethane Coatings. These coatings have certain characteristic properties which make them well suited for use as the standard aircraft finish. They do however, present certain health hazards to those who must work with them, particularly during the mixing and application phases.

2. The use of Mil-C-81773 aliphatic polyurethane coatings as the standard aircraft finish, and the increasing use of aromatic polyurethanes to replace neoprene coatings for rain erosion protection, require that certain precautions should be followed to reduce the risk of health hazards.

3. The precautions stated below are the minimum considered acceptable and no action shall be taken to further reduce them without the specific permission of the Naval Board through the Director General Naval Health Services.

#### Application of Polyurethane Paints; Health Hazards of and Precautionary Measures for Health Hazards

4. Polyurethane paints release unreacted isocyanates during mixing and application. The isocyanates released, even in very small concentrations, can produce significant irritation to the skin, eyes, and respiratory tract. They may also induce allergic sensitisation of personnel exposed to the vapours and mists produced during spray application. Sensitisation is usually characterised by bronchiolar constriction, causing difficulty in breathing, dry coughing and shortness of breath. Individual susceptibility appears to be a controlling factor. Once sensitised, many workers cannot tolerate even a minimum subsequent exposure to isocyanates and must therefore avoid work areas where such exposure could occur. In addition, the solvents employed with polyurethane coatings are moderately toxic and tend to increase the rate of absorption and severity of the physiological effect of the isocyanate component.

#### Precautionary Measures

5. Because of associated health hazards, polyurethane paints shall be limited to authorised applications under the following restrictions:

- a. persons selected to perform tasks involving the mixing and application of polyurethane paints will receive a medical evaluation prior to assumption of these tasks. Persons found to be medically qualified and assigned to perform these tasks will be re-evaluated at specified intervals. The medical evaluation shall include, but not necessarily be limited to, the following:
  - (1) a complete medical history to exclude personnel with any cardiac ailment or respiratory disease, eg, asthma, emphysema, respiratory diseases or allergies;
  - (2) a complete physical examination to be conducted initially and repeated annually;
  - (3) a complete blood count and chest X-ray (14" x 17") to be obtained and repeated annually; and
  - (4) pulmonary function studies to include a one second forced expiratory volume (FEV-1) shall be conducted initially and repeated half yearly.
- b. Personnel involved in painting operations who display any of the symptoms described in Paragraph 4 shall be immediately removed from the job and referred to competent medical authority.
- c. Production type mixing and spray painting operations employing the standard type spray guns, whether vibrator, air supply or airless types, shall be conducted in specially designed exhaust ventilated areas, preferably of the downdraft type, using personal protective equipment and other precautionary measures recommended as a result of an on-site industrial hygiene survey as arranged by the Director-General Naval Health Services.

d. Touch up of small, localised surface areas with polyurethane paint may be performed in any appropriate area (eg, carrier hangar decks, hangars ashore with doors open) provided:

- (1) the area is well ventilated;
- (2) unprotected personnel in adjacent areas are not exposed to the mist, spray or vapour;
- (3) the paint application method is restricted to brush, roller coat or 4940-00-803-6444 SELF-PRESSURISED AEROSOL SPRAY-KIT. The volume of paint applied by the spray-kit shall not exceed one quart per 24 hour day per man;
- (4) personnel engaged in the mixing and application of the paint should wear the following personal protective equipment:
  - (a) a well-fitted, double cartridge organic vapour respirator with fresh cartridges inserted daily;
  - (b) solvent resistant gauntlet style gloves; and
  - (c) safety goggles;

(See Paragraph 6 of this Navy Order for applicable Defence Catalogue numbers).
- (5) painters involved in touch up work shall also be subject to the medical surveillance as described in Paragraph 5 a.

#### Sources of Protective Equipment

6. a. Solvent resistant butyl rubber 35.56 cm (14 inch) gauntlet type gloves can be obtained through the supply system as follows:
 

Small .. ..	8415-00-753-6551
Medium .. ..	8415-00-753-6552
Large .. ..	8415-00-753-6553
Ex-large .. ..	8415-00-753-6554
- b. Chemical cartridge type respirators for use against organic vapours are obtainable as 4240-00-022-2524. REPLACEMENT CARTRIDGES (for the organic vapour respirator) are obtainable as 4240-00-272-9958.
- c. Safety goggles are obtainable as 4240-00-052-3776.

#### Polyurethane Paint Waste Disposal Instructions

7. a. As thinners used with the two pack Mil-C-81773 aliphatic polyurethane paints consist predominately of aromatic solvents which in sufficient volumes of concentration are a health hazard as explained in Paragraph 4 of this Navy Order, the following waste disposal procedures should be observed:
  - (1) at all times the appropriate supervision is to ensure that where possible the minimum quantity of polyurethane paint for the task in hand is to be mixed so as to reduce the amount of waste for disposal;
  - (2) all paint residue, including the flushing solvent used for cleaning the paint spray nozzle and associated equipment is to be poured into a container open to atmosphere and placed in the atmosphere environment well removed from buildings and personnel, so as to permit evaporation of volatile constituents;
  - (3) whilst the waste container is in the open environment it must be suitably ringed off and a sign erected at least 15 feet from the source advising that no smoking or naked flame is to be exposed to the waste; and
  - (4) when the paint waste residue has catalysed (ie, cured) to a solid plastic substance, it can be disposed of with domestic waste.



**Paint Stripping of Polyurethane Coatings**

8. a. Where large areas of aircraft surfaces have to be repaired by corrosion control maintenance personnel, a chemical stripping reagent will invariably be used. When chemical base paint strippers are used, the same medical precautionary measures as applying to the application of polyurethane paint are to apply:

- (1) the use of safety goggles by personnel during the paint stripping operations is mandatory; and
- (2) personnel must also wear protective gloves so as to prevent contact of the chemical base stripper with the skin.

**b. Paint Stripper Waste Disposal**

- (1) During aircraft stripping operations, which must be carried out in a well ventilated area, the floor in and around the area under the aircraft is to be overlaid with kraft paper. The kraft paper is to serve as a means of soaking up the acid base stripper and waste paint;
- (2) on completion of the paint stripping operations, the craft paper should be suitably incinerated; and
- (3) under no circumstances should the paint stripper be washed down and removed with water from the floor to cause effluent contamination in the waste water.

9. Any variation from these requirements is to be submitted to Navy Office for approval prior to being put into effect.

(156/51/198)

UNCLASSIFIED

**385/75—Stores General—Allocation of Accounting Control Numbers in Lieu of Temporary Stock Numbers**

1. The purpose of this Navy Order is to promulgate procedures for the allocation of Accounting Control Numbers during Supply Operations Assistance Program (SOAP).

2. Navy Order 330/72 introduced procedures whereby list of equipment items which do not possess unique identifying numbers were to be allocated Temporary Stock Numbers (TSNs).

3. TSNs so allocated carried the suffix 'LE' to the Class of the item, eg 3950LE, and the following restrictions applied to their use:

- a. the numbers do not appear in lists of equipment;
- b. the numbers cannot be used for transactions with supply depots; and
- c. the numbers can only be used for processing through the NAVEST system.

4. Navy Order 119/75 announced that TSNs would no longer be allocated and that those now in existence were being replaced either by Defence Stock Numbers (DSNs) or Accounting Control Numbers (ACNs). In some instances ACNs will appear in ABR 5074 in which case they can be used for normal demand, issue, return etc, transactions, otherwise the restrictions which applied to TSNs also apply to the use of ACNs.

5. In future at SOAP, the procedure detailed in the following Paragraphs will apply to items not identified to stock numbers in ABR 5074.

6. ACNs will be allocated during SOAP reviews subject to:

- a. efforts being made to identify the item to an existing stock number in ABR 5074. It may be possible to establish the stock number through research at the appropriate Supply Depot.
- b. ACNs will not be allocated for items which are to be replenished by making up on board from service materials.

7. If an existing stock number cannot be located application is to be made by the Inspector (Stores) allocated to the task, to DNSUS Navy Office, Melbourne, for an ACN as detailed in Paragraphs 10 to 12 below.

8. When applying for an ACN, any identification data which may assist DNSUS in establishing whether a DSN exists for the item is to be provided, eg, ADREF Number, manufacturer and his identifying reference number, etc. If no such identification data can be located, the Inspector (Stores) is to allocate a 'pseudo' part number utilising the ship's source code and the page/line details of the item which will be inserted as part of the 'Item Name' eg, PN 1066-E-C35J-1 BRANIS WORMSHAFT BEARING, meaning—Line 1, Page C35J, Mechanical List of Equipment, HMAS DUCHESS.

9. Only one page/line is to be used for an item for each ship. If the item is included in more than one equipment a 'lead' or 'master' page/line is to be used.

10. Where the checks at Paragraph 6 prove negative the Inspector (Stores) is to raise Form SA 122 'Cataloguing Form 1' for allocation of an ACN.

11. Form SA 122 is produced as a set of four forms, the distribution of which for the purposes of this instruction is as follows:

White and Green copies	..	..	to DNSUS Navy Office Melbourne
Blue copy	..	..	filed in alphabetical order
Yellow copy	..	..	filed in page and line order.

12. In order that a common record of ACNs allocated in accordance with these instructions is available to both Sydney and Melbourne SOAP Teams, a second set of Forms SA 122 is to be prepared concurrently with the original set. The duplicate set is to be retained, along with the 'Blue' and 'Yellow' copies of the original set, by the Inspector (Stores) pending allocation of an ACN by DNSUS.

13. When an ACN has been allocated DNSUS will return the green copy of the Form SA 122 to the Inspector (Stores) endorsed accordingly.

14. On receipt of the green copy the Inspector (Stores) is to take the following action:

- a. enter the ACN on appropriate Form SD 6 in Class and Catalogue Number columns;
- b. enter ACN on blue and yellow copies of Form SA 122;
- c. file green copy of Form SA 122 in ACN order; and
- d. enter ACN on second copy of Form SA 122 and distribute various copies as follows:
 

White copy	..	..	..	destroy
Green, Blue and Yellow copies	..	..	..	to be forwarded at the end of each day to
				(1) SOAP Team Melbourne in the case of a ship undergoing SOAP at Sydney,
				(2) OIC SOAP Sydney in the case of ships undergoing SOAP at Melbourne.

As appropriate Inspector (Stores) in Melbourne or Senior Inspector (Stores) in Sydney is to file these copies as follows:

- Green copy .. .. . ACN order;
- Blue copy .. .. . alphabetical order;
- Yellow copy .. .. . page and line order.

- e. Register parent equipment to set identification number.
- f. Forward SD 6 to OIC SOAP.
- g. Raise Form SD116 'Amendment to Lists of Equipment' if applicable.

15. ABR 5196 will be amended.

16. Navy Order 330/72 is hereby cancelled.

(400/1/2955)

(Navy Orders 330/72 and 119/75)

UNCLASSIFIED

386/75—Stores General—Reports of Losses and Deficiencies of Stores

1. RI Articles 4962, 4963 and 4963A provide the circumstances in which reports are to be forwarded to administrative authorities, with regard to losses, deficiencies or damage of stores by theft or other than theft, but not including losses discovered at stocktaking.
2. The financial limit of reporting losses by theft, or other than theft, for the purpose of RI Articles 4962, 6 (b) and (c), 4963 and 4963A has been increased to \$100.
3. RI (ABR 5016) Articles 4962, 6 (b) and (c), 4963 and 4963A will be amended.

(400/1/3378)

AMENDMENTS

UNCLASSIFIED

387/75—Accounting (Stores)—Accounting for Loan Bedding and Anti-Flash Gear

Navy Order 34/75 is to be amended as follows:

Paragraph 10, lines 3 and 4—delete 'SX125' and insert 'SX100'.

Paragraph 12—delete 'SX125' and insert 'SX100'.

Paragraph 15—delete 'SS 1, Stocktaking Discrepancy Report' and insert 'SX125, Demand, Supply or Receipt Note for Occasional Supplies'.

(N20/1/15)

(Navy Order 34/75)

388/75—Will Not Be Issued

UNCLASSIFIED

389/75—Naval Metrication Committee

1. Navy Order 108/75 is to be amended as follows:

Where 'Naval Metrication Committee', short title 'NMC' appears in the text delete and insert in lieu 'Navy Metric Conversion Committee (NMCC)'.

2. All new references to this Committee are to be made using the new title and new short title, as appropriate.

(N550/2/39)

(Navy Order 108/75)

AMENDMENTS

UNCLASSIFIED

38775 - Accounting Statement - Accounting for Loan Rebating and Anti-Fraud  
 Navy Order 38775 is to be amended as follows:  
 Paragraphs 18, 19 and 20 - Delete "2012" and insert "2013" below:  
 Paragraph 15 - Delete "22" (Stocking Discrepancy Report) and insert "2013"  
 Demand, Supply or Receipt Note for Consistent Supply

38875 - Will Not Be Issued

UNCLASSIFIED

UNCLASSIFIED

38875 - Naval Medication Committee  
 Navy Order 38875 is to be amended as follows:  
 Where "Naval Medication Committee" appears in the text below  
 insert "Naval Medication Committee (NMC)" below:  
 All new references to the Committee are to be made using the new title and new  
 short title as appropriate.



ANOs 390/75-391/75



Historian  
Victoria barracks  
Melbourne

# AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,  
6 February 1976.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

190/75—Introduction of Portable BCF Extinguishers to Replace CO<sub>2</sub> (not applicable to HMA's Submarines and HCC's Class Ships)

1. Approval has been given to replace portable Class B (flammable liquid) fire extinguishers with portable bromochlorodifluoromethane (BCF) extinguishers in HMA ships, commissioned and non-commissioned class establishments, detailed at Annex 1 to this order as a full list of equipment to be issued to individual ships.

2. BCF has been approved because of its following advantages over CO<sub>2</sub>:

- a. approximately 3 times more effective extinguishingly;
- b. lighter container weight and working pressure; and
- c. interchangeability of hose.

3. Replacement of CO<sub>2</sub> extinguishers with BCF extinguishers will be carried out in accordance with the following conditions:

- a. HMA ships will be given priority in this order.
- b. Replacement will be carried out in accordance with the following conditions:

AMH in support of the following conditions:

- a. HMAS MELBOURNE
- b. HMAS STALWART
- c. HMAS CERBERUS (PHE SCHOKEL)
- d. WILLIAMSTOWN NAVAL DOCKYARD
- e. GARDEN ISLAND DOCKYARD
- f. EAST AUSTRALIA AREA JOKE SCORNE (A-100)
- g. HMAS ALBATROSS (already modified).

The following rig are available on all units of BCF extinguishers. HMA ships and establishments receive from a charging rig and to make use of Active Air or Civilian facilities available in their area. A list of Active Air charging facilities can be obtained at Annex 2. It will be necessary for ships etc. visiting or on these facilities to liaise with the appropriate Base Fire Officer. Civilian Navy charging facilities are to be made available to Active Air.

4. BCF EXTINGUISHERS ARE NEVER TO BE USED ON CLASS A combustibles and will not freeze as there is a distinct possibility of BREAKDOWN OF THE AGENT RESULTING IN TOXIC BY PRODUCTS BEING FORMED. No problem arises with the use of BCF on Class B (flammable liquid or Class C (electrical) fires for which BCF was developed. However it is noted that portable extinguishers are a limited appliance only. Their continued use on any fire after the initial attack is not encouraged.

5. Annex C lists stock numbers for extinguishers and relevant spare parts.

6. Training of operators in carry out recharging will be required. Further advice will be issued when available.

- Additional copies of Navy Orders may be readily obtained by:
- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
  - b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
  - c. telephoning Navy Office, Canberra 65 4718.

## Section 1

## ADMINISTRATIVE AND GENERAL

## UNCLASSIFIED

**390/75—Introduction of Portable BCF Extinguishers to Replace CO<sub>2</sub>**  
 (not applicable to HMA Submarines and DDGs Class Ships)

1. Approval has been given to replace portable Carbon Dioxide (CO<sub>2</sub>) Fire Extinguishers with portable Bromochlorodifluoro methane (BCF) equipment in HMA ships, commissioned and non-commissioned shore establishments. Attached at Annex A to this order is a full list of equipment to be issued to individual units.

2. BCF has been introduced because of its following advantages over CO<sub>2</sub>:

- a. approximately 5 times more effective weight/weight;
- b. lighter container weight and working pressure; and
- c. rechargeable in house.

3. Replacement is to take place on a one for one basis as portable CO<sub>2</sub> extinguishers are returned to store (Depot Code 0027) for recharging or periodic pressure testing. HMA ships are to be given priority in this changeover. Extinguishers will be issued complete with brackets and it is the responsibility of ships and commissioned establishment staffs to site the extinguishers in the correct positions. The changeover in non-commissioned establishments will be undertaken by the Naval Police and is expected to take a period of up to 2 years.

4. To take advantage of the in house rechargeability of these extinguishers, charging rigs and associated equipment have been purchased and are to be installed by ships staff in the following ships/establishments:

- a. HMAS MELBOURNE
- b. HMAS STALWART
- c. HMAS CERBERUS (FIRE SCHOOL)
- d. WILLIAMSTOWN NAVAL DOCKYARD
- e. GARDEN ISLAND DOCKYARD
- f. EAST AUSTRALIA AREA FIRE SCHOOL (Jervis Bay)
- g. HMAS ALBATROSS (already installed).

The recharging rigs are available to ALL users of BCF extinguishers. HMA ships and establishments remote from a charging rig are to make use of Army, Air or Civilian facilities available in their area. A list of Army and Air recharging facilities are contained at Annex B. It will be necessary for ships etc wishing to use these facilities to liaise with the appropriate Base Fire Officer. Conversely Navy recharging facilities are to be made available to Army/Air.

5. BCF EXTINGUISHERS ARE NEVER TO BE USED ON CLASS A (structural and solid fuel) FIRES AS THERE IS A DISTINCT POSSIBILITY OF BREAKDOWN OF THE AGENT RESULTING IN TOXIC BY-PRODUCTS BEING FORMED. No problem exists with the use of BCF on Class B (flammable fuels) or Class C (electrically initiated) fires for which BCF was developed; however it is stressed that portable extinguishers are a first-aid appliance only. Their continued use on any fire after the initial attack is not encouraged.

6. Annex C lists stock numbers for extinguishers and relevant spare parts.

7. Training of operators to carry out recharging will be required. Further advice will be issued when available.

## CONTENTS

No

Title

## SECTION 1—ADMINISTRATIVE AND GENERAL

- 390/75 Introduction of Portable BCF Extinguishers to Replace CO<sub>2</sub>.
- 391/75 Safety Procedures for Industrial Radiography by Dockyard Personnel in HMA Ships.

ANNEX A

BCF Equipment to be Issued in the RAN  
HMA Ships

Ship	2½ lb CO <sub>2</sub> replaced by 2 lb BCF	12 lb CO <sub>2</sub> replaced by 5 lb BCF	50 lb CO <sub>2</sub> replaced by 50 lb BCF
MELBOURNE	112	5	8
SUPPLY ..	27	3	..
STALWART	94	2	2
DUCHESS	66	5	..
VAMPIRE	66	5	..
VENDETTA	66	7	..
DERWENT	57	2	..
STUART ..	57	5	..
PARRAMATTA	57	5	..
YARRA ..	57	5	..
SWAN ..	55	4	..
TORRENS	55	..	..
MORESBY	40	7	1
FLINDERS	17	3	..
SNIPE ..	18	1	..
CURLEW	15	1	..
IBIS ..	15	1	..
KIMBLA ..	13	..	..
Patrol Boats	36 (12 x 3)	12 (12 x 1)	..

ANNEX A—continued

Commissioned Establishments

Establishment	Commissioned Establishments				
	2½ lb CO <sub>2</sub> replaced by 2 lb BCF	5 lb CO <sub>2</sub> replaced by 2 lb BCF	7½ lb CO <sub>2</sub> replaced by 3 lb BCF	12 lb CO <sub>2</sub> replaced by 5 lb BCF	50 lb CO <sub>2</sub> replaced by 50 lb BCF
CRESWELL	41	2	..	27	..
NIRIMBA	30	16	21	40	..
KUTTABUL	19	..	4	10	..
MELVILLE	7	1	..	4	..
COONAWARRA	28	10	3	9	..
HUON	28	..	..	3	..
LONSDALE	19	..	14	6	..
CERBERUS	107	26	9	40	8
CAIRNS	..	..	2	..	..
MORETON	5	4	..	9	..
ALBATROSS	78	15	39	104	8
PENGUIN	62	..	..	37	..
HARMAN	53	..	6	33	..
WATERHEN	5	..	9	8	..
PLATYPUS	11	1	37	4	..
WATSON	110	..	8	22	..
ENCOUNTER	6	..	8	4	..
LEEWIN	29	..	5	19	..



Non-Commissioned Establishments

Establishment	2½ lb CO <sub>2</sub> replaced by 2 lb BCF	5 lb CO <sub>2</sub> replaced by 2 lb BCF	7½ lb CO <sub>2</sub> replaced by 3 lb BCF	10 lb CO <sub>2</sub> replaced by 3 lb BCF	12 lb CO <sub>2</sub> replaced by 5 lb BCF	50 lb CO <sub>2</sub> replaced by 2x12 lb BCF
East Fremantle Oil Fuel Tanks	..	..	..	3	..	..
South Fremantle Oil Fuel Tanks	..	..	..	1	..	..
Byford	..	1	..	9	..	..
Naval Dockyard Williamstown	168	2	1	..	28	..
Oil Fuel Installation Newport	3	..	..	..	..	..
Naval Stores Port Melbourne	4	..	2	..	..	..
Victualling Stores Port Melbourne	6	..	..	..	..	..
AWED (Maribyrnong)	12	..	3	..	..	..
RANAD	5	..	..	..	..	..
Newington	7	12	6	..	5	..
Kingswood	..	14	..	..	1	..
Oil Fuel Installation Woolloomooloo	..	2	..	..	2	..
Return Store	..	..	..	..	1	..
RANTAU	3	..	5	..	3	..
RANRL	..	3	..	..	10	..
RANTR	2	8	1	..	1	..
RANTR BOATS	7	..	..	..	..	..
REVV	2	12	4	..	9	..
CHARTHOUSE	..	5	..	..	..	..
IBM BUILDING	..	1	..	..	..	..
Northgate House	..	2	..	..	1	..
Elec Holt St	..	6	..	..	2	..
PRES PLANT Woolloomooloo	..	..	..	..	..	..
Oil Fuel Installation Chowder Bay	..	1	..	..	..	..
Return Store Woolloomooloo	..	..	..	..	1	..
Electrical Store Woolloomooloo	..	4	..	..	4	..

Stationery Store	..	3	..	..	..	..
RANTE	..	17	..	..	9	..
GIC Building	4	2	5	..	1	..
Randwick	3	17	5	..	8	..
Magnavox Woolloomooloo	..	3	..	..	..	..
Spectacle Island	..	13	..	..	4	..
Spectacle Island Boats	13	..	..	..	..	..
Rydalmere	4	9	..	..	2	..
Sayonarra Slip	..	1	..	..	..	..
Garden Island	10	112	77	..	168	14
Yard Services	47	..	..	..	4	..
Master Attendant	45	..	..	..	4	..
Shipwrights	18	..	..	..	..	..
Boilermakers	38	..	..	..	..	..
Kembla Building	..	3	..	..	..	..
Leichhardt	6	14	2	..	6	..

ANNEX A—continued

BCF Recharging Rigs Complete

Location	Quantity
HMAS MELBOURNE .. ..	1
HMAS STALWART .. ..	1
HMAS CERBERUS (Fire School) .. ..	1
Williamstown Naval Dockyard .. ..	1
Garden Island Dockyard .. ..	1
East Australia Area Fire School .. ..	1
HMAS ALBATROSS .. ..	1 (already installed)

Note: These rigs, excluding that at ALBATROSS, may be redistributed after recharging experience is obtained.

ANNEX B

List of Army and Air Establishments with Facilities for Recharging BCF Extinguishers

Army	Air
TOWNSVILLE, QLD	BUTTERWORTH
LIVERPOOL, NSW	DARWIN, NT
SINGLETON, NSW	PEARCE, WA
BANDIANA, VIC	TOWNSVILLE, QLD
PUCKAPUNYAL, VIC	AMBERLEY, QLD
	RICHMOND, NSW
	WILLIAMTOWN, NSW
	LAVERTON, VIC
	EAST SALE, VIC
	POINT COOK, VIC
	FAIRBAIRN, ACT
	EDINBURGH, SA

ANNEX C

List of BCF Equipment Available in the RAN

Stock Number	Description	Remarks
4210-66-037-6930	EXTINGUISHER FIRE VAPOURISING LIQUID BCF 2 LB	
4210-66-031-1986	EXTINGUISHER FIRE VAPOURISING LIQUID BCF 3 LB	
4210-66-017-6177	EXTINGUISHER FIRE VAPOURISING LIQUID BCF 5 LB	
4210-66-036-0492	EXTINGUISHER FIRE VAPOURISING LIQUID BCF 12 LB	
4210-66-036-4042	EXTINGUISHER FIRE VAPOURISING LIQUID BCF 50 LB MOBILE	
4210-66-046-5582	UNIT CHARGING BCF .. ..	To be sited as at Annex A For use with BCF Charging Unit
4210-66-048-0586	CYLINDER BULK BCF .. ..	
4210-66-051-4995	BRACKET EXTINGUISHER VL BCF 2 LB	

ANNEX C—continued

Stock Number	Description	Remarks
4210-66-035-6463	BRACKET EXTINGUISHER VL BCF 3 LB	
4210-66-071-6178	BRACKET EXTINGUISHER VL BCF 5 LB	
4210-66-043-6620	BRACKET EXTINGUISHER VL BCF 12 LB	
4210-66-090-4239	TROLLEY FOR EXTINGUISHER 50 LB BCF MOBILE	
4210-66-054-8209	50 LB BOTTLE FOR EXTINGUISHER FIRE VAPOURISING LIQUID BCF MOBILE	
4210-66-055-3519	PRESSURE GAUGE FOR 50 LB BCF CONTAINER	
6830-66-055-3600	BCF FIRE FIGHTING AGENT BULK .. ..	lbs weight
4210-66-055-4349	PRESSURE TEST RIG—BCF .. ..	For use with BCF Charging Unit
3655-66-055-4787	RECOVERY CYLINDER—BCF .. ..	For use with BCF Charging Unit
6680-66-054-7959	NITROGEN REGULATOR—CHARGING UNIT BCF	For use with BCF Charging Unit
4820-66-038-6429	NITROGEN REGULAR FOR PRESSURE TEST RIG—BCF	For use with BCF Charging Unit
8120-66-036-0939	NITROGEN CYLINDER 220 CU/FT FOR CHARGING UNIT BCF	For use with BCF Charging Unit
4210-66-046-1057	OPERATING HEADS FOR EXTINGUISHERS BCF 2 LB, 3 LB, 5 LB	
4210-66-049-1877	OPERATING HEAD FOR EXTINGUISHER BCF 12 LB	
4210-66-053-3824	OPERATING HEAD INDICATOR DISC FOR EXTINGUISHER BCF 2 LB, 3 LB, 5 LB, 12 LB	
5330-66-053-2937	CONTAINER 'O' RINGS FOR EXTINGUISHER BCF 2 LB, 3 LB, 5 LB	
5330-66-053-2936	CONTAINER 'O' RING FOR EXTINGUISHER BCF 12 LB	Will normally be issued to holders of charging units
4210-66-053-3821	DIPTUBE AND FRANGIBLE PLUG ASSEMBLY 2 LB BCF	
4210-66-053-3822	DIPTUBE AND FRANGIBLE PLUG ASSEMBLY 3 LB BCF	
4210-66-071-6179	DIPTUBE AND FRANGIBLE PLUG ASSEMBLY 5 LB BCF	
4210-66-053-3820	DIPTUBE AND FRANGIBLE PLUG ASSEMBLY 12 LB BCF	
6670-66-089-3135	SCALE AVERY 1301-BCD 0-1000 GRAMS IN 10 GRAM DIVISIONS WITH WEIGHTS	For use with BCF Charging Units
4940-66-021-5588	LEAK DETECTOR .. ..	For use with BCF Charging Units (Naval Stores Item)

(1446/1/84)

UNCLASSIFIED

391/75—Safety Procedures for Industrial Radiography by Dockyard Personnel in HMA Ships

Scope

1. This instruction applies to safety measures related to the use of x-ray and radioactive isotope equipment under control of the Dockyard Laboratory for examination of structures or equipment on board HMA ships.
2. The instruction prescribes procedures to be followed by the Dockyard laboratory and naval personnel prior to and during the use of radioactive equipment, to ensure the safety of Dockyard and naval personnel from exposure to ionising radiation.

**General**

3. Radiography, by means of x-ray generating equipment or radioactive isotopes, is a non-destructive test method often used in the evaluation of the soundness of welds and various fittings and attachments in ships. The test method involves the use of high energy radiation, which by nature of its highly penetrating powers, causes difficulty in the control of the actual size of the irradiated zone. Since the radiation can be harmful to the health of persons exposed, prevention of accumulation of high radiation doses is necessary by restricting the access of personnel to zones of high radiation intensity.

4. The procedures detailed in this instruction comply with the 'Code of Practice for the Control and Safe Handling of Sealed Radioactive Sources Used in Industrial Radiography', issued by the National Health and Medical Research Council (1968).

**Personnel**

5. Personnel required to operate and supervise radiographic equipment and to be responsible for carrying out the following procedures will be radiographers and radiographers' assistants responsible to the Senior Metallurgist, Dockyard Laboratory.

6. However, it may be required that assistance be given by the ships company in the supervision of certain designated perimeters to prevent entry of personnel into a radiation area.

7. When assistance from the ships company is required, twenty-four hours notice to the Duty Officer shall be given stating the number of men required and the approximate duration of the test.

**Temporary Radiation Zone**

8. A Temporary Radiation Zone is that zone surrounding the equipment being subjected to radiographic examination in which the radiation intensity exceeds the permissible safe levels whilst the radiographic source is exposed.

9. At the boundary of the Radiation Zone, the radiation dose rate shall not exceed 2.5 milliroentgen per hour.

**Securing of Temporary Radiation Zones**

10. Before any radiography is performed aboard commissioned ships, the radiographer shall contact the Duty Officer and inform him of the following:

- a. the zone that is to be radiographed;
- b. location of the boundary of the Temporary Radiation Zone;
- c. the period of time the zone will be restricted to all personnel; and
- d. positions to be supervised by the co-opted assistant from the Duty Watch (eg passageways compartments doors).

11. All Temporary Radiation Zones shall be posted with appropriate radiation warning signs and shall be roped off by the Dockyard laboratory personnel.

12. The radiographer shall request the Duty Officer to notify all shipboard personnel (by ships' intercom) that radiography is to be performed at a designated zone and all personnel shall observe the posted radiation signs and boundaries and remain clear of such zones until the 'all-clear'.

13. Before radiography commences the Radiation Zone, shall be thoroughly checked to make sure there is no-one within the zone, or in any hidden recess that could easily be overlooked.

14. Upon completion of the zone check, the exposure may commence. During the exposure the zone shall be monitored and if necessary barriers relocated to conform to the true 2.5 mr/hr isodose line, as indicated by the reading obtained with an approved radiation monitor.

**Restricted Entry to Radiation Zones**

15. No-one shall be permitted to enter a roped-off Radiation Zone, except that personnel may enter the roped-off zone between exposures with the consent of the radiographer-in-charge for each specific entry. The radiographer, radiographer's assistant and co-opted assistants from the Duty Watch will stand guard during exposures to ensure that personnel do not enter the Radiation Zone. If any person persists in entering the Radiation Zone the source shall be secured, or exposure terminated, until such person leaves, and the infringement reported to the Duty Officer or Project Superintendent as relevant.

**Completion of Radiography**

16. Upon completion of the radiographic task the source shall be secured. A radiation monitor shall be used to check that the source has been properly secured.

17. The co-opted assistants from the Duty Watch may then resume their normal activities and the radiation signs and barriers shall be removed by the radiographer and his assistants.

18. The radiographer shall inform the Duty Officer when the radiation hazard no longer exists. The Duty Officer shall then sound the 'all-clear' over the ship's intercom.

**Demarcation of Responsibilities**

19. Responsibilities for these instructions are divided as follows:

**a. Dockyard**

- (1) establish the boundaries of the Temporary Radiation Zone and place warning notices and barriers;
- (2) monitor the Temporary Radiation Zone and adjust the boundaries as necessary;
- (3) ensure that Temporary Radiation Zone is clear of Dockyard personnel before radiography is started; and
- (4) report to either the responsible Dockyard or ships officers as appropriate when any personnel have been subjected to radiation beyond the Maximum Permissible Exposure.

**b. Ship**

- (1) provide and brief sentries around the boundary of the Temporary Radiation Zone during radiography;
- (2) ensure that Temporary Radiation Zone is clear of ships personnel before radiography commences; and
- (3) warn all personnel on board of impending radiographic operations.

**Radiography Permit**

20. Radiography permit, form number TS129, (Annex A), is to be used to advise the ship of intended radiography operations and to obtain permission to carry out such operations. Section 1 of this form is to be completed by the Dockyard and the form delivered to the Marine Engineer Officer of the ship concerned no later than 1500 hours on the day preceding the intended operations.

21. The Senior Metallurgist, Dockyard Laboratory, is the authority responsible for, issue of the radiographic permit, and retention of the permit when radiography is complete.

Radiography in Establishments other than HMA Dockyards

22. Where ships are undergoing refit and repair work in establishments other than HMA Dockyards and radiographic techniques are required, the above instructions are to be brought to the attention of the appropriate authority at that establishment. A suitable ship log entry should record that radiographic processes have been employed.

(N341/8/5)

Faint, illegible text bleed-through from the reverse side of the page, including phrases like 'The Senior Metallurgist', 'Radiography in Establishments', and 'Where ships are undergoing refit'.

RADIOGRAPHY PERMIT

Daily Radiography Permit No .....

This permit incorporates the safety requirements for ANO ..... Section 1 is to be completed and the form handed to the Marine Engineer Officer or his representative not later than 1500 hours on the day prior to the operation. If permission is granted the form is to be returned to the radiographer after Section 2 has been completed. Upon completion of the operation the form is to be returned to the Senior Metallurgist, Dockyard Laboratory, or where radiography is carried out by a contract radiographer, to the Ship's Duty Officer. The Duty Officer is to return the form to the Senior Metallurgist, Dockyard Laboratory.

SECTION 1 - ADVANCE WARNING TO SHIP

Particulars of Operation (To be completed by radiographer)

Ship	Date of Operation	To Commence at	Expected Duration
	...../...../.....	.....(Time)	.....(Hours)

SECTION 2 - PERMIT

Permission is granted to carry out the above radiography. This permission comes into effect when both Sections 3 and 4 below are signed and remains in effect until Section 5 is signed.

Signature ..... Date .....

SECTION 3 - DECLARATION BY RADIOGRAPHER PRIOR TO RADIOGRAPHY

The following measures have been completed.

- A. The boundaries of the temporary radiation zone have been established.
- B. Warning notices have been placed and barriers erected.
- C. The radiation zone has been monitored and the barriers adjusted/changed to be satisfactory.
- D. It has been ascertained that the radiation zone is clear of dockyard personnel.

Signature ..... Time .....

SECTION 4 - DECLARATION BY SHIP'S DUTY OFFICER

The following safety measures have been completed:

- A. Sentries have been installed around the perimeter of the safety zone where necessary.
- B. The radiation zone is clear of ship's personnel (see Note 1).
- C. All personnel on board have been warned of the impending radiographic operation.

Signature ..... Time .....  
(Duty Officer)

SECTION 5 - DECLARATION BY RADIOGRAPHER ON COMPLETION OF RADIOGRAPHY

- A. Radiography commenced at ..... (Time) and was completed at .....(Time)
- B. The radiographic source has been secured/no radiographic source was used.
- C. The source has been checked by radiation monitor/no source was used.
- D. The radiation signs and barriers have been removed.
- E. The Duty Officer has been informed that a radiation hazard no longer exists.
- F. The Duty Officer has been informed that ..... persons were subjected to radiation in excess of the maximum permissible exposure (see Note 2).

Signature ..... Time .....

- NOTE:
- Ships staff are to inspect each site during ships security rounds except when radiographic operations are in progress. On being informed that a radiation hazard no longer exists (Section 5 E above) the Duty Officer shall announce "Radiation Hazard Secured" over ships intercom.
  - If any personnel are exposed to radiation in excess of the permitted dose the radiographer shall issue a comprehensive report to the dockyard Senior Metallurgist. If radiography is carried out by a contract radiographer the report is to be issued to the ships Duty Officer. The Duty Officer is to forward a copy of the report to the Senior Metallurgist, Dockyard Laboratory.
  - All times used on this permit are to be in 24 hour clock time.

RADIOGRAPHY PERMIT

1. The applicant is a citizen of the United States of America... 2. The applicant is a resident of the State of...

100-100

Table with 4 columns: Name, Address, City, State. Fields are mostly blank.

100-100

3. The applicant is a resident of the State of...



- 1. The shield is made of lead. 
2. The shield is made of steel. 
3. The shield is made of concrete. 
4. The shield is made of brick.

100-100

4. The shield is made of lead.



- 1. The shield is made of lead. 
2. The shield is made of steel. 
3. The shield is made of concrete. 
4. The shield is made of brick.

100-100

- 1. The shield is made of lead. 
2. The shield is made of steel. 
3. The shield is made of concrete. 
4. The shield is made of brick.

5. The applicant is a resident of the State of... 6. The applicant is a resident of the State of...

RESTRICTED

ANOs 392/75-395/75



*Historian  
Victoria Park  
Melbourne*

# AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,  
6 February 1976.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

RESTRICTED

Volume 2

PERSONNEL

UNCLASSIFIED

392/75—Legal Training for Officers

1. The Main Object of this scheme is to provide for the special law training of junior officers to study law and equity as necessary to enable them to carry out their duties as officers, regardless of rank or branch of service. The scheme is subject to Navy Order 134/74 (amendment) regarding staff from General List Supply Officers.

CONTENTS

<i>No</i>	<i>Title</i>
<b>SECTION 2—PERSONNEL</b>	
392/75	Legal Training for Officers.
<b>SECTION 3—OPERATIONAL AND TRAINING</b>	
393/75	Officers Extension Tutorial Course.
<b>AMENDMENTS</b>	
394/75	Seaman Officers Warfare Training and Employment.
395/75	Safety—Handling of Components Containing Beryllium Oxide.

4. When an officer has completed all his duties for the last two years of the course he will normally be placed in a position in the office of the Director of Naval Legal Services to continue his work.

5. Subject to approval from appropriate authorities, officers who complete the course will be given further training, such as on-the-job training in the offices of an appropriate Service or authority. This further training within the normal course of service for that period.

6. It is envisaged that officers who qualify under this scheme will normally continue with the Naval Legal Service, as well as with their own specialization.

7. Officers who wish to be involved in sponsorship through this scheme should apply through their Commanding Officers who are to forward applications to the Department of Defence (Navy Office) through the normal channels. Special Agreements under 1972s are required with specific conditions on liability for legal study. This report should have 2 references to the sponsoring branch and be supported by a certificate with RI Form 1041.

- Additional copies of Navy Orders may be readily obtained by:
- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV.
  - b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
  - c. telephoning Navy Office, Canberra 65 4718.

Section 2

PERSONNEL

UNCLASSIFIED

392/75—Legal Training for Officers

1. The Naval Board have decided to extend the scope of the scheme for encouraging junior officers to study law and qualify as barristers outlined in Navy Order 334/74, to allow any officer, regardless of List or Branch to participate. The Scheme outlined in Navy Order 334/74 contemplated applications only from General List Supply Officers.

2. The recognised method of studying law for the purposes of this scheme is by passing the Barristers Admission Board (BAB) examination, studying through the University of Sydney Law Extension Committee. The course is by correspondence or, if resident in Sydney and able to attend, by attendance at evening lectures. Examinations are conducted half yearly at various centres in New South Wales, including Sydney, and also in Canberra, The BAB course is normally of four and a half years duration; graduates may complete the course in three years. Details of the course and means of application are available from the Secretary, Barristers Admission Board, Supreme Court, King Street, Sydney, NSW 2000, and from the Executive Officer, Extension Committee, University of Sydney Law School, 173 Phillip Street, Sydney, NSW 2000.

3. Consideration will also be given to recognising external courses in law offered by other Universities and institutions. Unlike the BAB course, however, other courses usually require attendance at vacation schools and it may not always be possible to guarantee attendance. Moreover, other external law courses are usually of longer duration than the BAB course.

4. When an officer has completed all but about the last two years of the course he will normally be placed in a posting in the office of the Director of Naval Legal Services to complete the course.

5. Subject to approval from appropriate authorities, officers who complete the course will be given further training, such as on-the-job training in the chambers of an appropriate barrister or solicitor. This further training carries the normal return of service for that period.

6. It is envisaged that officers who qualify under this scheme will undertake duties with the Naval Legal Services, as well as with their own specialisation.

7. Officers who wish to be considered for sponsorship through this scheme should apply through their Commanding Officers who are to forward applications to the Department of Defence (Navy Office) through the normal channels. Special Reports on Form PP101 are required, with specific comments on suitability for legal study. Each report should bear a reference to the forwarding letter and be dispatched in accordance with RI Article 1041.

CONTENTS  
SECTION 1—PERSONNEL  
SECTION 2—Legal Training for Officers  
SECTION 3—OPERATIONAL AND TRAINING  
SECTION 4—Officer Extension Training Course  
AMENDMENTS  
SECTION 5—General Officers' Welfare Training and Employment  
SECTION 6—Study—Handling of Components Containing Bottom Data



8. Each year it is planned to select at least one officer of Sub-Lieutenant or Lieutenant rank, with at least four years service. Officers who commence legal studies before being selected under this scheme should enrol under the Services Vocational and Educational Training Scheme (SVETS). After selection, enrolment will be under the Civil Schooling Scheme. In selecting officers preference will be given to those who have already enrolled and commenced their studies.

9. A number of the prescribed text books are available on loan from the Command Legal Officer, Naval Headquarters, Sydney, or from the Director of Naval Legal Services.

10. In order that specific consideration can be given to future postings, officers studying law are to report their progress to the Director of Naval Legal Services in June and December each year.

11. Commanding Officers are to promulgate this Navy Order widely to junior officers under their command.

12. Navy Order 334/74 is hereby cancelled.

(311/4/20)

(Navy Order 334/74)

### Section 3

## OPERATIONAL AND TRAINING

UNCLASSIFIED

### 393/75—Officers Extension Tutorial Course

#### Introduction

1. The Naval Board, in association with the Air Board, have introduced a tutorial correspondence course to provide officers with a study program designed to assist in preparing them for higher rank. However, although officers are encouraged to undertake this course, its completion is not to be considered as a prerequisite for selection for staff courses.

2. The course does not replace Staff College training; rather, it offers preliminary study as an aid to success in a Staff Course and a facility through which officers may improve their written presentations and consolidate knowledge in areas related to their professional employment. Successful completion of the course, provides possible evidence of an officers staff potential and his efforts to improve himself. This evidence is considered when planning postings.

#### Eligibility

3. The course is available to officers of all specialisations of the ranks of Lieutenant, Lieutenant-Commander and Commander, and to WRANS officers of the rank of 2nd Officer, 1st Officer and Chief Officer.

#### Restrictions

4. In view of the need to second specialist staff to the Extension Tutorial Section, restrictions on naval enrolments may have to be made depending on the number of applicants.

#### Details of the Course

5. The course extends over two years and consists of four phases covering ninety-five weeks of programmed private study. The breakdown of the course is:

- Phase 1 English Expression
- Phase 2 Management
- Phase 3 Current National and International Affairs
- Phase 4 Military Studies

6. The course has been designed to be equally suitable to officers of all branches. Therefore, no attempt is made to dwell at any length on specific aspects of the syllabus. To complete the course satisfactorily, an officer will be required to:

- a. *Phase 1*—demonstrate an ability to express himself in writing correctly, concisely and unambiguously, and to present and defend opinions and decisions;
- b. *Phase 2*—have a broad knowledge of management theory;
- c. *Phase 3*—have a sufficient background knowledge of Australia and other selected countries of the world to appreciate the significance of current national and international affairs;
- d. *Phase 4*—have a basic knowledge of national and global strategy and the employment of defence forces.

Officers must pass Phase 1 before attempting any other phase.

#### Hours of Work

7. The actual amount of time a student will need to spend each week in study will depend on his experience, his background knowledge of the subjects taught, his proficiency in writing English, and on the thoroughness with which he wants to go into each subject. The planned 'average' study time throughout the ninety-five weeks is three to six hours effective study each week, depending on the individual. Considerable thought has been given to the breakdown of study guides into weekly tasks and if an officer sets aside one evening only each week for study throughout the ninety-five weeks, he should accomplish all that is necessary.

#### Assignments

8. Material to be studied is in eight study guides. After each study guide, an assessable assignment is set, based principally on the work covered by the preceding guide, but drawing on knowledge gained from all previously issued guides. There are no examinations—satisfactory completion of the course depends on consistent effort over the entire ninety-five weeks.

#### Course Progression

9. Administration of students in HMA ships and establishments will be through an officer known as the Base Tutorial Officer (BTO)—normally the Education Officer but, where appropriate, another officer nominated by the Commanding Officer. The BTO will be responsible also for the authenticity of the supervision exercised over any supervised work forwarded to the Staff College. Officers studying alone will be administered directly by the Staff College, and special arrangements will be made for supervision of work as required.

10. In Phase 1 of the course, officers who fail an assignment will be asked to complete a supplementary assignment, although they will be allowed to complete the phase regardless of their results in individual assignments. At the end of the phase, a Review Board will examine the work of all students and decide those who can continue with Phase 2. Those officers whose work in Phase 1 is deemed to be unsatisfactory must repeat the phase with a subsequent course before attempting the other phases.

11. In Phases 2, 3 and 4, officers who fail an assignment will also be asked to complete a supplementary assignment but, if again unsuccessful, they will be required to complete the particular phase with a subsequent course. Such officers may continue with the remaining phases of their course, but will obviously take longer than two years to complete the course. A phase completed successfully will remain at credit.

12. Officers who find that the necessary private study is impossible because of operational commitments, compelling compassionate reasons, or posting to a training course subsequent to enrolment for the Officers Extension Tutorial Course, are to advise the Commandant, through their BTO, that they wish to defer the particular phase or temporarily withdraw from the course. Students who have withdrawn in those circumstances should re-enrol as soon as the cause of the withdrawal is removed. The course is flexible and reasonable requests for extensions or deferments will always be given full consideration.

13. Officers who do not submit any piece of prescribed written work, without prior approval of the Staff College, will be suspended from course. Credit will be given for phases completed successfully and the officers will be given the opportunity of joining a subsequent course at the appropriate stage.

**Recording of Results**

14. The Extension Tutorial Section (Naval) will keep a record of the progress of naval students, and completion of the course will be noted in officers records.

**Enrolment**

15. Number 9 OETC commences on 3 May 1976. Applications for enrolment close on 2 April 1976.

**Method of Application**

16. Applications for No 9 OETC are to be forwarded through Commanding Officers to:

- The Commandant
- RAAF Staff College
- RAAF Base
- FAIRBAIRN ACT 2600.

All applications should follow the pro-forma attached as Annex A to this order.

17. Navy Order 33/75 is hereby cancelled.

**ANNEX A**  
**Officers Extension Tutorial Course**  
**Application for Enrolment**

Name.....P/N.....

Given Names.....

Rank.....

List and Specialisation.....

Where Serving.....

Postal Address.....

Date of Birth.....

I hereby apply for enrolment in the extension tutorial course commencing on 3 May 1976, and will notify RAAF Staff College immediately if there are any changes in this information.

Date..... Signature.....

**II**

The Commandant  
RAAF Staff College  
RAAF Base  
FAIRBAIRN ACT 2600

Date.....

Forwarded.

( )

Commanding Officer  
(1600/11/67)

(Navy Order 33/75)

AMENDMENTS

RESTRICTED

394/75—Seaman Officers Warfare Training and Employment

- 1. Navy Order 238/75 is to be amended as follows:
  - a. Paragraph 21 line 5 after 'Communications':  
*Delete:* and Electronic Warfare (CEW).  
*Insert:* (C).
  - b. Paragraph 25c line 1 after 'Communications':  
*Delete:* Electronic Warfare.
  - c. Paragraph 25c lines 2, 3 and 6, Paragraph 28 lines 1 and 4, Annex A under 'ADVANCED WARFARE':  
*Delete:* CEW.  
*Insert:* C.

(N519/1/77)

(Navy Order 238/75)

UNCLASSIFIED

395/75—Safety—Handling of Components Containing Beryllium Oxide

- 1. Navy Order 151/75 is to be amended as follows:  
*Delete* Paragraph 5 and *insert* the following new paragraph:  
 'Unserviceable components manufactured from Beryllium Oxide and any contaminated materials are to be disposed of by placing in a metal container, which is to be sealed and clearly labelled with the nature and name of contents, ie, 'Hazardous Material, Beryllium Oxide (BeO)'. The sealed container is to be returned to the supply depot from which the contents of the container were issued. All personnel involved in the operation are to shower and change their clothing on completion; the discarded clothing is to be laundered separately from uncontaminated clothing.'
- 2. ABR 4 RAN Storekeeping Manual Appendix 23 Paragraph 10A will be amended.

(740/53/85)

(Navy Order 151/75)

AMENDMENTS

RESTRICTED

39475—Seaman Officers Warfare Training and Employment

- 1. Navy Order 33873 is to be amended as follows:
  - a. Paragraph 21 line 2 after 'Communications',  
Delete and Electronic Warfare (CEW),  
Insert (C).
  - b. Paragraph 22c line 1 after 'Communications',  
Delete Electronic Warfare.
  - c. Paragraph 23c lines 2, 3 and 4; Paragraph 23 line 1 and 4; Annex A under  
ADVANCED WARFARE;  
Delete CEW.  
Insert C.

(Navy Order 33873)

(Navy Order 33873)

UNCLASSIFIED

39575—Safety—Handling of Components Containing Beryllium Oxide

- 1. Navy Order 13172 is to be amended as follows:  
Delete Paragraph 2 and insert the following new paragraph:  
'Unrecoverable components manufactured from Beryllium Oxide and any contaminated materials are to be disposed of by placing in a metal container which is to be sealed and clearly labelled with the name and name of container, ie 'Plutonium Material, Beryllium Oxide (BeO)'. The sealed container is to be returned to the supply depot from which the contents of the container were issued. All personnel involved in the operation are to shower and change their clothing on completion; the discarded clothing is to be laundered separately from uncontaminated clothing.'

2. ANN 4 RAN Sinking Manual Appendix 13 Paragraph 10A will be amended.

(Navy Order 13172)

(Navy Order 13172)



# AUSTRALIAN NAVY ORDERS

## CONTENTS

SECTION II—ADMINISTRATIVE Navy Office, Canberra,  
6 February 1976.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY



AUSTRALIA  
NAVY ORDERS

- Additional copies of Navy Orders may be readily obtained by:
- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
  - b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
  - c. telephoning Navy Office, Canberra 65 4718.

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

396/75—Allowances and Conditions of Service for PNG Personnel Undergoing Training in Australia

1. Commencement date the expiry of the Defence agreement of 1971. PNG Government of 1971. HMAA (1975) is to be replaced by the PNG Government. The purpose of this order is to allow an amount of the PNG Government to be implemented from the PNG Government's account in Australia.

2. With effect from 1st December 1975, the provisions of Navy Order 111/75, as amended by Navy Order 711/75, shall apply to PNG personnel. This will have the effect of reducing the Navy allowance rate for PNG Officers and Warrant Officers to \$4.45 per day and allowing a supplementary allowance of 1 cent per day to be paid for quarters during service in Australia.

3. Conditions applicable to PNG personnel are covered in Navy Order 111/75, together with detailed provisions in the 1st Schedule.

CONTENTS

No	Title
<b>SECTION 1—ADMINISTRATIVE AND GENERAL</b>	
396/75	Allowances and Conditions of Service for PNG Personnel Undergoing Training in Australia.
397/75	General Instructions and Precautions for Use of Degreasing Agents.

Notes: 1. Form 1718 applies from 1st July 1975.

2. Action is taken in Navy Office to credit a monthly allowance to PNG personnel in the PNG Government's account in Australia. The PNG Government is to be notified of the amount of the allowance and the PNG Government is to be notified of the amount of the allowance in the PNG Government's account in Australia.

3. Claims for the PNG Government's account in Australia shall be made by the PNG Government's account in Australia. The PNG Government is to be notified of the amount of the allowance and the PNG Government is to be notified of the amount of the allowance in the PNG Government's account in Australia.

Maintained (Subject Allowance)

1. In addition to the rates and conditions as provided in Navy Order 111/75, Paragraph 10, payment of the allowance to a member of the PNG Defence Force training in a HMAA ship when the ship is on passage between Australia and Papua

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

396/75—Allowances and Conditions of Service for PNG Personnel Undergoing Training in Australia

1. Consequent upon the transfer of the Defence function to Papua New Guinea as from 6 March 1975, a requirement arose to account separately for expenditure incurred in training of PNG Servicemen in HMA ships and commissioned establishments. The purpose of this order is to advise all concerned of the financial procedures to be implemented from that date to bring such expenditure to account.

2. With effect from 16 September 1975, the provisions of Navy Order 111/75, as amended by Navy Order 232/75, are to be applied to PNG trainees. This will have the effect of reducing the living allowance rate for Petty Officers and above from \$4.49 to \$4.45 per day and accordingly a non-reduction allowance of 4 cents per day is to be paid to relevant trainees already in Australia.

3. Conditions applicable to PNG personnel, not covered in Navy Order 111/75, together with financial procedures to be implemented are as follows.

Pay

4. PNG personnel continue to be credited with PNG rates of pay whilst undergoing training. The rates of basic salary and allowances in the nature of salary to which members of PNG Defence Force are entitled whilst undergoing training are advised by a Standing Authority by PNG Department of Defence direct to HMA ships in which members are serving. Fortnightly payments of salary and allowances are to be paid, in accordance with Standing Authority, on Form FA119, supported by Form FP10 on which members are to sign for payments, and brought to account in Cash Accounts as a charge to PNG Defence Co-operation Program Vote—Division 240/0/03. Advice of payments is to be furnished to Navy Office and in this regard an additional Section (1) is to be added to pro-forma shown as Annex A to Navy Order 111/75.

- Notes: 1. Form FP10 supersedes Form TP PNG 211.
- 2. Action is taken in Navy Office to render a monthly claim to Accountant (Army Office) for recovery from an advance held from the PNG Government, of the amounts involved at Paragraph 4. above. Reimbursement of all such claims is credited on receipt in Navy Office to the PNG Defence Co-operation Program Vote—Division 240/0/03.

5. Claims rendered to Army Office for recovery action from the PNG Government Advance, also include payments of permanent Living Out Allowance authorised in Standing Authority by the PNG Defence Force in respect of unaccompanied married PNG Servicemen who were living out in New Guinea prior to arrival in Australia. Any such payments by HMA ships and commissioned establishments are to be included in payments referred to in Paragraph 4.

Mainland (Living) Allowance

6. In addition to the rates and conditions as promulgated in Navy Order 111/75 Paragraph 2d, payment of this allowance to a member of the PNG Defence Force training in a HMA ship where the ship is on passage between Australia and Papua

CONTENTS

SECTION 1—ADMINISTRATIVE AND GENERAL

396/75 Allowances and Conditions of Service for PNG Personnel Undergoing Training in Australia

397/75 Control Instructions and Procedures for Use of Depositing Agents

New Guinea, shall cease on the day immediately prior to the date of departure of the ship from its last port of call in Australia and recommence (on the ship's return to Australia) on the day the ship arrives at its first port of call in Australia.

7. Mainland (Living) Allowance is not regarded as an allowance in the nature of salary and is not recoverable from the PNG Government. Payments are to be assessed on Form TP PNG 215 and where payment is effected at the same time as payment of salary, the amount is to be entered on Form FP10 on which members are to sign on receipt of payment. Form TP PNG 215 is to be attached as support to Form FA119 on which the amount of allowance is to be shown separately and details of amounts paid are to be advised to Navy Office in Section a. of the pro-forma.

*Note:* Living Out Allowance at PNG rates, where advised in Standing Authority, is payable in addition to Mainland (Living) Allowance.

#### Travel Entitlement

8. Where applicable, Travelling Allowance may be paid by PNG Defence Force personnel serving in Australia at the rates and under the same conditions applicable to a member of the PNF.

#### Leave/Leave Travel

9. Leave for a member of the PNG Defence Force accrues at the rate of two and a half days per month, thirty days per year.

10. A member undergoing either Midshipman (SL) training or Apprenticeship training in Australia is entitled to a leave travel warrant to travel by air to his home in Papua New Guinea on one occasion during the period of his training, provided he has accrued sufficient leave to spend at least fourteen days at his home and the warrant is issued after or within the leave period for which it falls due.

#### Clothing and Establishment Allowances

11. Entitlement to these allowances is covered in Navy Order 111/75 Paragraphs 2f. and g. and payment may be effected on receipt of claims from the members concerned, subject to confirmation that payment has not previously been made prior to departure for Australia.

#### Head of Charge for Accounting

12. All payments made directly to trainees in compliance with Navy Order 111/75 and these instructions and costs for accommodation and meals, travel warrants, hospitalisation, etc. are to be brought to account in Cash Accounts and by Administrative Authorities as a charge to PNG Defence Co-operation Program Vote—Division 240/0/03.

*Note:* Adjustments in respect of instructional costs and victualling and accommodation charges will be effected in Navy Office, from information furnished on the pro-forma in Sections g. and h., by monthly journal entry debiting PNG Defence Co-operation Program Vote and crediting Revenue.

13. Navy Orders 39/73, 148/73, 86/74 and 388/74 are hereby cancelled.

(302/2/180)

(Navy Orders 39/73, 148/73, 86/74, 388/74, 111/75 and 232/75)

## UNCLASSIFIED

### 397/75—General Instructions and Precautions for Use of Degreasing Agents

1. The use of TRICHLOROETHYLENE Stock Number 6810-66-063-1645 and SAFETY SOLVENTS (containing Trichloroethylene) Stock Number 6850-66-021-5556 as degreasing agents in the RAN is to continue. General instructions and precautions for its use are detailed in this order.

2. Trichloroethylene is a toxic substance, and must only be used when well ventilated conditions are available and where specified in the relevant instruction book. Trichloroethylene must not be used for general cleaning, ie, white spirit, kerosene or non-toxic cleaners are to be used for this purpose.

3. Commercial trichloroethylene for use as a degreasing agent is sold under a variety of trade names. For metal degreasing, it is normally used in plant specially designed for this purpose and its use must be confined to such plant. It should not be used as a casual cleaning agent except under careful supervision in the open air or in a properly ventilated compartment.

4. Hazardous conditions may be encountered if equipment that has been in contact with kerosene, white spirit or fuel oil is subsequently cleaned with trichloroethylene.

5. There is a major risk of fire occurring in trichloroethylene degreasing plants as chlorinated solvent is lost from an operating plant by evaporation or during solvent recovery operations, and, as the concentrations of removed light oil, etc, increases it is possible for flammable mixtures to be present in the sump. To limit the proportion of flammable solvent in the vapour the degreasing plant is to be cleaned at regular intervals dependent upon the frequency of the use of the plant.

6. The attention of all personnel concerned with the operation of trichloroethylene cleaning plants is to be drawn to this Navy Order and supervisors are to ensure that the manufacturers instructions are rigidly adhered to particularly with regard to cleaning the plant and safety regulations.

#### Storage and Issue

8. Buildings used for the storage of trichloroethylene are to be well ventilated and a warning notice must be situated in a conspicuous position stating that the fumes given off by this material is poisonous. When supplied in metal drums, storage should be in a cool area and exposure to direct sunlight must be avoided. When stored in bottles, dark glass type containers must be used. All containers for trichloroethylene and safety solvents (containing Trichloroethylene) are to be labelled poisonous in accordance with DEF (AUST) 492 and handling and cautionary marking shall be located to comply with the requirement of DEF (AUST) 476. Trichloroethylene for use in vapour degreasing baths should not be stored for more than one (1) year owing to the gradual development of acidity, and when possible, supply should be arranged to avoid long storage. Any solvent which has not been used within one (1) year of the date of manufacture as shown on the container is to be tested in accordance with BS113 section 6 (1953) clause 5C. Samples should be sent to the Garden Island or Williamstown Dockyard Laboratories for test. On receipt of advice that the batch of stored solvent has passed the test, the test date is to be painted on the container, and the contents is satisfactory for use during the ensuring year. Annual retesting of stored material is mandatory to extend the requalification period and the testing date is to be updated accordingly. On advice that a sample has failed test the batch is to be returned to Naval Stores where it is to be disposed of in accordance with the environmental laws enforced by that State.



**Siting and Working of the Plant**

9. a. degreasing tanks should be sited in well ventilated space which is free from draughts;
- b. if the tank is installed in a pit, an exhaust fan which can draw air from the pit bottom and discharge to the open air must be fitted;
- c. plant should be arranged so that solvent vapour cannot come into contact with flames or red-hot surfaces. If it does so, the solvent may decompose with the formation of irritating acidic gases;
- d. ample space should be provided around the plant;
- e. loads should be raised and lowered slowly to avoid forcing vapour out of the tank. For heavy loads a slow moving hoist with a maximum speed of 10 feet per minute should be used. Hollow articles should be given sufficient time to drain before removing them from the vapour;
- f. the lids should be kept closed except for the introduction or removal of work;
- g. the cautionary notice provided by the makers is to be displayed in a prominent position beside the plant; and
- h. the plant requires frequent cleaning to limit the proportion of flammable solvent in the vapour when light oil, kerosene or white spirit may be present.

**Personal Protection**

11. Men operating a degreasing plant should observe the following precautions:
  - a. PVC gauntlet gloves should always be worn when placing work in or removing it from the tank;
  - b. avoid unnecessary breathing of the vapour. Do not bend over the tank unnecessarily and avoid breathing air which smells of trichloroethylene. Do not smoke;
  - c. avoid contact of the solvent with the skin;
  - d. do not enter any pit or vessel which smells of the solvent; and
  - e. when cleaning out the plant, special precautions are necessary. The makers instructions must be strictly adhered to and it is emphasised that it should rarely be necessary to enter a tank to clean it. If it is essential to enter a pit or tank, the following precautions must be observed:
    - (1) permission must be obtained from the foreman or other responsible person;
    - (2) if the plant is installed in a pit, the exhaust fan must be running;
    - (3) the plant must be thoroughly ventilated before entering;
    - (4) breathing apparatus with air-line to the fresh air (eg, Pattern 0432/5665) and a life-line must be worn; and
    - (5) a second man must be standing by.

**First Aid Instructions**

12. The symptoms of poisoning with trichloroethylene are drowsiness (passing into unconsciousness with prolonged exposure), headache, giddiness, heavy feeling in the legs and occasionally vomiting. EVERY case should be seen by a doctor, and first aid be rendered as follows:

- a. any person showing these effects is to be removed to a fresh air atmosphere and laid down on his side, Medical aid is to be obtained. Unless unconsciousness has occurred, such cases inevitably recover quickly and should then be taken home by car and instructed to rest for the remainder of the day;
- b. in more severe cases with unconsciousness, oxygen should be administered and artificial respiration commenced if breathing becomes weak or irregular. Medical aid must be sought and obtained urgently;
- c. in the case of eye contamination by a liquid splash, the affected eye should be flooded with running water from a tap and irrigation continued for fifteen minutes. The patient must then be seen by a medical officer;
- d. if trichloroethylene liquid is swallowed, give an emetic of two table-spoons of salt in half pint of tepid water (for ease of dissolving) and send for a doctor; and
- e. if the liquid comes in contact with the skin, it should be washed with soap and water and lanoline rubbed in.

13. Navy Order 206/74 is hereby cancelled.

(1/8010/12)

(Navy Order 206/74)

First All Institutions  
 The purpose of this document is to provide information regarding the procedures for the submission of applications for admission to the various institutions of higher learning in the State of California. This information is intended to assist applicants in understanding the requirements and procedures for admission to these institutions. The information is presented in the following order: (1) General Information, (2) Application Procedures, (3) Admission Requirements, (4) Financial Aid, and (5) Other Information. The information is presented in the following order: (1) General Information, (2) Application Procedures, (3) Admission Requirements, (4) Financial Aid, and (5) Other Information.

(1) General Information  
 (2) Application Procedures  
 (3) Admission Requirements  
 (4) Financial Aid  
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9. The information is presented in the following order: (1) General Information, (2) Application Procedures, (3) Admission Requirements, (4) Financial Aid, and (5) Other Information.
10. The information is presented in the following order: (1) General Information, (2) Application Procedures, (3) Admission Requirements, (4) Financial Aid, and (5) Other Information.



RESTRICTED

ANOs 398/75-401/75



Historian  
Victoria Barracks  
Melbourne

# AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,  
6 February 1976.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

*The Flag Officers Commanding,  
Naval Officers Commanding and in Charge,  
Commanding Officers of HMA Ships and  
Naval Establishments, and others concerned.*

FOR OFFICIAL USE ONLY

RESTRICTED

Additional copies of Navy Orders may be readily obtained by:

- a. signalling requirements to DEFNAV CANBERRA, using Subject Indicator Group (SIG) OWV,
- b. writing to 'Secretary, Department of Defence (Navy Office), Attention, Controller of Publications', or
- c. telephoning Navy Office, Canberra 65 4718.

ADMINISTRATIVE AND GENERAL

RESTRICTED

398/75—NBCD—Personal Protection—Wearing of NBC Protective Clothing—Undressing Routines

1. An undressing routine should be developed for the crew, using the following principles as a guide:
2. The following information is contained in the manual 'During operations and undressing from NBC protective clothing':

CONTENTS

No	Title
<b>SECTION 1—ADMINISTRATIVE AND GENERAL</b>	
398/75	NBCD—Personal Protection—Wearing of NBC Protective Clothing—Undressing Routines.
<b>SECTION 2—PERSONNEL</b>	
399/75	Uniform Badges—Alteration to Technical Branch Badges.
<b>SECTION 3—OPERATIONAL AND TRAINING</b>	
400/75	Shipwright Officers Transfer to the Marine Engineering Specialisation.
<b>SECTION 4—EQUIPMENT, STORES AND SERVICING</b>	
401/75	Use of Trade Marks and Trade Names.

ANNEX 4

NBCD Undressing Routine

- Undressing
1. When removing the NBC suit, the person must be moved to a place where the suit can be removed without contaminating the surroundings and the suit. There are three procedures:
  - a. the 'tidy' system, in which the suit is removed in the most rapid manner;
  - b. the 'transfer' system, in which the suit is removed to a designated place;
  - c. 'Manual undressing' in the 'Cleaning Station' type.

## Section 1

## ADMINISTRATIVE AND GENERAL

## RESTRICTED

## 398/75—NBCD—Personal Protection—Wearing of NBC Protective Clothing—Undressing Routines

1. An extensive trial carried out by the Royal Navy has indicated that changes are required to the present undressing routine in cleansing stations.
2. The following information is promulgated for guidance during operations and exercises in an NBC environment:
  - a. When two undressers are employed with the current 'two undresser' system (*see* Annex A), in a cleansing station, the number of men processed by one team should be limited to ten. If delays in the cleansing routine are experienced, the number should be reduced.
  - b. The 'buddy' system (*see* Annex A) of undressing in a cleansing station should be adopted and taught as an alternative to the present 'two undresser' system. The 'buddy' system should be used in ships operating under adverse climatic conditions (tropical) or where cleansing station space is restricted.
  - c. Where men dressed in NBC protective suits require to be protected from pre-wetting or wet weather they should also wear NBC decontamination suits. These may be modified under tropical conditions to provide ventilation by cutting holes in the armpits and crotch. Ships should modify suits when required.
  - d. Anti-flash hoods, when required, should be worn under the NBC hood. During the cleansing routine the anti-flash hood should be removed in the stripping area. Anti-flash gloves when worn over the NBC gloves improve the grip when a man is required to handle heavy or slippery objects.
  - e. The heat stress of wearing NBC suits in the tropics can be eased by wetting the suit. This does not reduce the level of protection provided by the suit.
3. Extra NBC decontamination suits will not be supplied to ships for use in accordance with Paragraph 2. c. above. Ships should use existing stocks. The modified suits can still be used for decontamination purposes if worn over a CB Suit.
4. The existing 'removal by wearer' method of removing the NBC suit in the cleansing station is impracticable. It is replaced by the 'Mutual Undressing System', which has been devised for the last two men to pass through the cleansing station. The details of the three undressing systems are given in Annex A.
5. BR 2170 is being amended.

## ANNEX A

## NBC Suit Undressing Routines

## Undressing

When removing the NBC suit, the greatest care is needed to prevent contamination being transferred to the undergarments and the skin. There are three procedures:

1. the 'Buddy' system, in which each man undresses the man ahead of him;
2. the 'Two-undresser' system, in which a two-man team undresses each man that passes through;
3. 'Mutual undressing' by the Cleansing Station crew.

## ANNEX A—continued

The 'Buddy' system. (No 1 being undressed, No 2 the undresser). This system required a single supervisor in the undressing area. He supervises that each man passing through the undressing area (No 1) is undressed by the man following him (No 2). The supervisor undresses the last man passing through and, finally, the respirator cleanser and supervisor undress each other simultaneously.

*No 1 being undressed by No 2*

1. remove OFD and Radiac instruments, hand to supervisor;
2. decontaminate gloves and respirator, using fuller's earth or citric acid as applicable;
3. No 1 stand with back to bench facing No 2.
  - a. Mk 1 suit; undo velcro fastener of hood, cut elastic and remove hood inside out;
  - b. Mk 3 suit; cut hood drawstring above fastener.
4. release wrist velcro fasteners on smock;
5. No 1 turn his back on No 2;
6. cut smock up back to:
  - a. Mk 1 suit; neck opening.
  - b. Mk 3 suit; left side of neck below ear to facial aperture of hood. Fold smock forwards clear of shoulders;
7. No 1 turn to face No 2 keeping head up;
8. grasp the inner cut sides of the smock and peel it forward off the arms, turning it inside out in the process;
9. No 2 decontaminate his own gloves;
10. remove outer and inner gloves by cutting the cuff of the outer glove and peeling it off inside out, then pinch the cuff of the inner glove and pull it off hard;
11. No 1 place hands on chest;
12. cut trouser tapes at front;
13. release velcro fasteners on trousers;
14. cut laces of overboots;
15. turn top of trousers inside out down to deck;
16. No 1 step back and sit on bench with feet up, gripping bench at rear;
17. take top of trousers and grasp each overboot heel through the trouser material, then pull off boots and trousers together. Subject must keep feet clear of deck;
18. No 1 swivel round on bench so that his feet are on the clean side, proceed to the stripping area; and
19. No 2 call the next man forward into the undressing area. No 2 then becomes No 1 to be undressed by the new No 2.

- Notes*
- (i) The Supervisor is to position himself so that he can closely control the undressing procedure, ensuring that the above routine is strictly followed.
  - (ii) No 2 must ensure that the scissors are kept in fuller's earth (or citric acid for radiological contamination) when not in use.
  - (iii) Contaminated clothing is to be placed in plastic bags provided and the bags cleared from the undressing area when full.

## ANNEX A—continued

The 'Two undresser' system. (Present normal procedure). The following undressing routine must be strictly adhered to:

1. remove OFD and Radiac instruments, hand to undresser;
2. decontaminate gloves and respirator, using fuller's earth or citric acid as applicable;
3. subject stand with back to bench facing undressers;
  - a. Mk 1 suit; undo velcro fastener of hood, cut elastic and remove hood inside out; and
  - b. Mk 3 suit; cut hood drawstring above fastener.
4. release wrist velcro fasteners on smock;
5. subject turn his back to undressers;
6. cut smock up back to:
  - a. Mk 1 suit; neck opening; and
  - b. Mk 3 suit; left side of back below ear to facial aperture of hood. Fold smock forward clear of shoulders;
7. subject turn to face the undressers, keeping head up;
8. grasp inner cut sides of the smock and peel it forward off the arms, turning it inside out in the process;
9. remove outer and inner gloves by cutting the cuff of the outer glove and peeling it off inside out, then pinch the cuff of the inner glove and pull it off the hand;
10. subject place hands on chest;
11. cut trouser tapes at front;
12. release velcro fasteners on trousers;
13. cut laces of overboots;
14. turn top of trousers inside out down to the deck;
15. subject step back and sit on bench with feet up, gripping bench at rear;
16. take top of trousers and grasp each overboot heel through the trouser material, then pull off boots and trousers together. Subject must keep feet clear of deck; and
17. subject swivel round on bench so that his feet are on the clean side, proceed to the stripping area.

## 'Mutual undressing'—Cleansing Station crew

1. decontaminate gloves and respirators, using fuller's earth or citric acid as applicable;
2.
  - a. Mk 1 suit; remove each other's hood in turn by releasing velcro fasteners, cutting elastic and removing hood inside out; and
  - b. Mk 3 suit; cut each other's hood drawstring above fastener;
3. release each other's wrist velcro fasteners on smock;

## ANNEX A—continued

4. remove each other's smock in turn by cutting up back of smock to:
  - a. Mk 1 suit; neck opening; and
  - b. Mk 3 suit; left side of neck below ear to facial aperture of hood. Fold smock forwards clear of shoulders and peel smock off arms;
5. in turn, cut cuffs of gloves, trouser tapes and overboot laces. Turn trouser tops down to deck;
6. No 2 remove No 1's outer gloves;
7. No 1 sit on bench grasp bench at rear, lift legs clear of deck;
8. No 2 take top of No 1's trousers and grasp each overboot heel through trouser material, then pull off boots and trousers together;
9. No 1 swivel round on bench, stand up on 'clean' deck and face No 2;
10. No 1 remove No 2's outer and inner gloves, then remove own inner gloves;
11. No 1 proceed to stripping area;
12. No 2 sit on bench, remove trousers and overboots; and
13. No 2 swivel round on bench and proceed to stripping area.

(901/52/56)

## Section 2

### PERSONNEL

## UNCLASSIFIED

#### 399/75—Uniform Badges—Alteration to Technical Branch Badges

1. As a consequence of the sub-division of the Air Technical Weapons category into the two categories of Weapons Ordnance and Weapons Electrical and the transfer of the Power Electrics Category of the Marine Engineering Branch to the Weapons Electronic Engineering Branch, the following changes to badge designs have been approved:

*Air Technical Weapons, Weapons Ordnance Category*

Letter 'W' of Air Technical Weapons Branch replaced by letters 'WO'.

*Air Technical Weapons, Weapons Electrical Category*

Letter 'W' of the Air Technical Weapons Branch replaced by letters 'WL'.

*Weapons Electronic Engineering Branch, Power Electrics Category*

New Badge design—'Crossed diagonal lightning flashes', letter 'P' below.

2. Details of stock numbers, descriptions, etc, of the new badges are included in Annexes A, B and C to this order. Annexes D and E list badges that are now obsolete.

3. Gold embroidered badges of the new designs are now available for issue. There will be a slight delay in the availability of embroidered and woven badges in both red on blue and blue on white but these should be available within two months.

4. Demands for badges may be lodged with the Superintending Victualling Store Officer, Royal Edward Victualling Yard (Depot Code 0124).

5. To ensure availability of badges for all entitled sailors, demands are to be restricted to requirements for gratuitous issues and known future entitlements by qualification.

#### ANNEX A

##### Badges for RAN Sailors—Air Engineering Branch

##### Air Technical Weapons Ordnance Category

Class	Catalogue Number	Badge	Description	Style	Colour	Unit of Issue	Acctg Classn
	8455-66-087-4526	WARRANT OFFICER AND CPO QUALIFIED TO GRADE 4	Jet aircraft, crown above, star and letters 'WO' below, small	E	G-B	Pr	P
	8455-66-087-4527	WARRANT OFFICER AND CPO QUALIFIED TO GRADE 4	Jet aircraft, crown above, star and letters 'WO' below, small	E	R-B	Pr	P
	8455-66-087-4527	WARRANT OFFICER AND CPO QUALIFIED TO GRADE 4	Jet aircraft, crown above, star and letters 'WO' below, small	W	B-W	No	P
	8455-66-087-4529	WARRANT OFFICER AND CPO QUALIFIED TO GRADE 4	Jet aircraft, crown above, star and letters 'WO' below, small	W	R-B	No	P
	8455-66-087-4530	WARRANT OFFICER AND CPO QUALIFIED TO GRADE 3	Jet aircraft, crown above, letters 'WO' below, small	E	G-B	Pr	P
	8455-66-087-4531	WARRANT OFFICER AND CPO QUALIFIED TO GRADE 3	Jet aircraft, crown above, letters 'WO' below, small	E	R-B	Pr	P
	8455-66-087-4532	WARRANT OFFICER AND CPO QUALIFIED TO GRADE 3	Jet aircraft, crown above, letters 'WO' below, small	W	B-W	No	P
	8455-66-087-4533	WARRANT OFFICER AND CPO QUALIFIED TO GRADE 3	Jet aircraft, crown above, letters 'WO' below, small	W	R-B	No	P
	8455-66-087-4534	PETTY OFFICER QUALIFIED TO GRADE 3	Jet aircraft, crown above, letters 'WO' below, large	E	G-B	No	P
	8455-66-087-4535	PETTY OFFICER QUALIFIED TO GRADE 3	Jet aircraft, crown above, letters 'WO' below, large	E	R-B	No	P
	8455-66-087-4536	PETTY OFFICER QUALIFIED TO GRADE 3	Jet aircraft, crown above, letters 'WO' below, large	E	B-W	No	P
	8455-66-087-4537	PETTY OFFICER QUALIFIED TO GRADE 3	Jet aircraft, crown above, letters 'WO' below, large	W	B-W	No	P
	8455-66-087-4538	PETTY OFFICER QUALIFIED TO GRADE 3	Jet aircraft, crown above, letters 'WO' below, large	W	R-B	No	P
	8455-66-087-4539	TECHNICAL SAILOR, GRADE 3 (INCLUDING APPRENTICE ENTRY)	Jet aircraft, star above, star and letters 'WO' below, large	E	G-B	No	P
	8455-66-087-4540	TECHNICAL SAILOR, GRADE 3 (INCLUDING APPRENTICE ENTRY)	Jet aircraft, star above, star and letters 'WO' below, large	E	R-B	No	P
	8455-66-087-4541	TECHNICAL SAILOR, GRADE 3 (INCLUDING APPRENTICE ENTRY)	Jet aircraft, star above, star and letters 'WO' below, large	E	B-W	No	P



## ANNEX A—continued

399/75

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Class	Catalogue Number	Badge	Description	Style	Colour	Unit of Issue	Acctg Classn
8455-66-087-4542		TECHNICAL SAILOR, GRADE 3 (INCLUDING APPRENTICE ENTRY)	Jet aircraft, star above, star and letters 'WO' below, large	W	B-W	No	P
8455-66-087-4543		TECHNICAL SAILOR, GRADE 3 (INCLUDING APPRENTICE ENTRY)	Jet aircraft, star above, star and letters 'WO' below, large	W	R-B	No	P
8455-66-087-4544		TECHNICAL SAILOR, GRADE 2 (INCLUDING APPRENTICE ENTRY)	Jet aircraft, star above, letters 'WO' below, large	E	G-B	No	P
8455-66-087-4545		TECHNICAL SAILOR, GRADE 2 (INCLUDING APPRENTICE ENTRY)	Jet aircraft, star above, letters 'WO' below, large	E	R-B	No	P
8455-66-087-4546		TECHNICAL SAILOR, GRADE 2 (INCLUDING APPRENTICE ENTRY)	Jet aircraft, star above, letters 'WO' below, large	E	B-W	No	P
8455-66-087-4547		TECHNICAL SAILOR, GRADE 2 (INCLUDING APPRENTICE ENTRY)	Jet aircraft, star above, letters 'WO' below, large	W	B-W	No	P
8455-66-087-4548		TECHNICAL SAILOR, GRADE 2 (INCLUDING APPRENTICE ENTRY)	Jet aircraft, star above, letters 'WO' below, large	W	R-B	No	P
8455-66-087-4549		TECHNICAL SAILOR, GRADE 1 AND ON CATEGORISATION (INCLUDING APPRENTICE)	Jet aircraft, letters 'WO' below, large	E	G-B	No	P
8455-66-087-4550		TECHNICAL SAILOR, GRADE 1 AND ON CATEGORISATION (INCLUDING APPRENTICE)	Jet aircraft, letters 'WO' below, large	E	R-B	No	P
8455-66-087-4551		TECHNICAL SAILOR, GRADE 1 AND ON CATEGORISATION (INCLUDING APPRENTICE)	Jet aircraft, letters 'WO' below, large	E	B-W	No	p
8455-66-087-4552		TECHNICAL SAILOR, GRADE 1 AND ON CATEGORISATION (INCLUDING APPRENTICE)	Jet aircraft, letters 'WO' below, large	W	B-W	No	P
8455-66-087-4553		TECHNICAL SAILOR, GRADE 1 AND ON CATEGORISATION (INCLUDING APPRENTICE)	Jet aircraft, letters 'WO' below, large	W	R-B	No	P

Codes: E—Embroidered; W—Woven; G-B—Gold on Blue; R-B—Red on Blue; B-W—Blue on White

## ANNEX B

## Badges for RAN Sailors—Air Engineering Branch

## Air Technical Weapons Electrical Category

11

399/75

Class	Catalogue Number	Badge	Description	Style	Colour	Unit of Issue	Acctg Classn
8455-66-087-4554		WARRANT OFFICER AND CPO QUALIFIED TO GRADE 4	Jet aircraft, crown above, star and letters 'WL' below, small	E	G-B	Pr	P
8455-66-087-4555		WARRANT OFFICER AND CPO QUALIFIED TO GRADE 4	Jet aircraft, crown above, star and letters 'WL' below, small	E	R-B	Pr	P
8455-66-087-4556		WARRANT OFFICER AND CPO QUALIFIED TO GRADE 4	Jet aircraft, crown above, star and letters 'WL' below, small	W	B-W	No	P
8455-66-087-4557		WARRANT OFFICER AND CPO QUALIFIED TO GRADE 4	Jet aircraft, crown above, star and letters 'WL' below, small	W	R-B	No	P
8455-66-087-4558		WARRANT OFFICER AND CPO QUALIFIED TO GRADE 3	Jet aircraft, crown above, letters 'WL' below, small	E	G-B	Pr	P
8455-66-087-4559		WARRANT OFFICER AND CPO QUALIFIED TO GRADE 3	Jet aircraft, crown above, letters 'WL' below, small	E	R-B	Pr	P
8455-66-087-4560		WARRANT OFFICER AND CPO QUALIFIED TO GRADE 3	Jet aircraft, crown above, letters 'WL' below, small	W	B-W	No	P
8455-66-087-4561		WARRANT OFFICER AND CPO QUALIFIED TO GRADE 3	Jet aircraft, crown above, letters 'WL' below, small	W	R-B	No	P
8455-66-087-4562		PETTY OFFICER QUALIFIED TO GRADE 3	Jet aircraft, crown above, letters 'WL' below, large	E	G-B	No	P
8455-66-087-4563		PETTY OFFICER QUALIFIED TO GRADE 3	Jet aircraft, crown above, letters 'WL' below, large	E	R-B	No	P
8455-66-087-4564		PETTY OFFICER QUALIFIED TO GRADE 3	Jet aircraft, crown above, letters 'WL' below, large	E	B-W	No	P
8455-66-087-4565		PETTY OFFICER QUALIFIED TO GRADE 3	Jet aircraft, crown above, letters 'WL' below, large	W	B-W	No	P
8455-66-087-4566		PETTY OFFICER QUALIFIED TO GRADE 3	Jet aircraft, crown above, letters 'WL' below, large	W	R-B	No	P
8455-66-087-4567		TECHNICAL SAILOR, GRADE 3 (INCLUDING APPRENTICE ENTRY)	Jet aircraft, star above, star and letters 'WL' below, large	E	G-B	No	P
8455-66-087-4568		TECHNICAL SAILOR, GRADE 3 (INCLUDING APPRENTICE ENTRY)	Jet aircraft, star above, star and letters 'WL' below, large	E	R-B	No	P
8455-66-087-4569		TECHNICAL SAILOR, GRADE 3 (INCLUDING APPRENTICE ENTRY)	Jet aircraft, star above, star and letters 'WL' below, large	E	B-W	No	P

## ANNEX B—continued

Class	Catalogue Number	Badge	Description	Style	Colour	Unit of Issue	Acctg Classn
	8455-66-087-4570	TECHNICAL SAILOR, GRADE 3 (INCLUDING APPRENTICE ENTRY)	Jet aircraft, star above, star and letters 'WL' below, large	W	B-W	No	P
	8455-66-087-4571	TECHNICAL SAILOR, GRADE 3 (INCLUDING APPRENTICE ENTRY)	Jet aircraft, star above, star and letters 'WL' below, large	W	R-B	No	P
	8455-66-087-4572	TECHNICAL SAILOR, GRADE 2 (INCLUDING APPRENTICE ENTRY)	Jet aircraft, star above, letters 'WL' below, large	E	G-B	No	P
	8455-66-087-4573	TECHNICAL SAILOR, GRADE 2 (INCLUDING APPRENTICE ENTRY)	Jet aircraft, star above, letters 'WL' below, large	E	R-B	No	P
	8455-66-087-4574	TECHNICAL SAILOR, GRADE 2 (INCLUDING APPRENTICE ENTRY)	Jet aircraft, star above, letters 'WL' below, large	E	B-W	No	P
	8455-66-087-4575	TECHNICAL SAILOR, GRADE 2 (INCLUDING APPRENTICE ENTRY)	Jet aircraft, star above, letters 'WL' below, large	W	B-W	No	P
	8455-66-087-4576	TECHNICAL SAILOR, GRADE 2 (INCLUDING APPRENTICE ENTRY)	Jet aircraft, star above, letters 'WL' below, large	W	R-B	No	P
	8455-66-087-4577	TECHNICAL SAILOR, GRADE 1 AND ON CATEGORISATION (INCLUDING APPRENTICE)	Jet aircraft, letters 'WL' below, large	E	G-B	No	P
	8455-66-087-4578	TECHNICAL SAILOR, GRADE 1 AND ON CATEGORISATION (INCLUDING APPRENTICE)	Jet aircraft, letters 'WL' below, large	E	R-B	No	P
	8455-66-087-4579	TECHNICAL SAILOR, GRADE 1 AND ON CATEGORISATION (INCLUDING APPRENTICE)	Jet aircraft, letters 'WL' below, large	E	B-W	No	P
	8455-66-087-4580	TECHNICAL SAILOR, GRADE 1 AND ON CATEGORISATION (INCLUDING APPRENTICE)	Jet aircraft, letters 'WL' below, large	W	B-W	No	P
	8455-66-087-4581	TECHNICAL SAILOR, GRADE 1 AND ON CATEGORISATION (INCLUDING APPRENTICE)	Jet aircraft, letters 'WL' below, large	W	R-B	No	P

Codes: E—Embroidered; W—Woven; G-B—Gold on Blue; R-B—Red on Blue; B-W—Blue on White

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## ANNEX C

Badges for RAN Sailors—Weapons Electronic Engineering Branch  
Electronic Technical Power (ETP) Category

Class	Catalogue Number	Badge	Description	Style	Colour	Unit of Issue	Acctg Classn
	8455-66-090-4299	WARRANT OFFICER AND CPO QUALIFIED TO GRADE 4	Crossed diagonal lightning flashes, crown above, star and letter 'P' below, small	E	G-B	Pr	P
	8455-66-090-3900	WARRANT OFFICER AND CPO QUALIFIED TO GRADE 4	Crossed diagonal lightning flashes, crown above, star and letter 'P' below, small	E	R-B	Pr	P
	8455-66-090-3901	WARRANT OFFICER AND CPO QUALIFIED TO GRADE 4	Crossed diagonal lightning flashes, crown above, star and letter 'P' below, small	W	B-W	No	P
	8455-66-090-3902	WARRANT OFFICER AND CPO QUALIFIED TO GRADE 4	Crossed diagonal lightning flashes, crown above, star and letter 'P' below, small	W	R-B	No	P
	8455-66-090-3903	WARRANT OFFICER AND CPO QUALIFIED TO GRADE 3	Crossed diagonal lightning flashes, crown above, letter 'P' below, small	E	G-B	Pr	P
	8455-66-090-3904	WARRANT OFFICER AND CPO QUALIFIED TO GRADE 3	Crossed diagonal lightning flashes, crown above, letter 'P' below, small	E	R-B	Pr	P
	8455-66-090-3905	WARRANT OFFICER AND CPO QUALIFIED TO GRADE 3	Crossed diagonal lightning flashes, crown above, letter 'P' below, small	W	B-W	No	P
	8455-66-090-3906	WARRANT OFFICER AND CPO QUALIFIED TO GRADE 3	Crossed diagonal lightning flashes, crown above, letter 'P' below, small	W	R-B	No	P
	8455-66-090-3907	PETTY OFFICER QUALIFIED TO GRADE 3	Crossed diagonal lightning flashes, crown above, letter 'P' below, large	E	G-B	No	P
	8455-66-090-3908	PETTY OFFICER QUALIFIED TO GRADE 3	Crossed diagonal lightning flashes, crown above, letter 'P' below, large	E	R-B	No	P
	8455-66-090-3909	PETTY OFFICER QUALIFIED TO GRADE 3	Crossed diagonal lightning flashes, crown above, letter 'P' below, large	E	B-W	No	P
	8455-66-090-3910	PETTY OFFICER QUALIFIED TO GRADE 3	Crossed diagonal lightning flashes, crown above, letter 'P' below, large	W	B-W	No	P
	8455-66-090-3911	PETTY OFFICER QUALIFIED TO GRADE 3	Crossed diagonal lightning flashes, crown above, letter 'P' below, large	W	R-B	No	P
	8455-66-090-3912	TECHNICAL SAILOR, GRADE 3 (INCLUDING APPRENTICE ENTRY)	Crossed diagonal lightning flashes, star above, star and letter 'P' below, large	E	G-B	No	P
	8455-66-090-3913	TECHNICAL SAILOR, GRADE 3 (INCLUDING APPRENTICE ENTRY)	Crossed diagonal lightning flashes, star above, star and letter 'P' below, large	E	R-B	No	P
	8455-66-090-3914	TECHNICAL SAILOR, GRADE 3 (INCLUDING APPRENTICE ENTRY)	Crossed diagonal lightning flashes, star above, star and letter 'P' below, large	E	B-W	No	P
	8455-66-090-3915	TECHNICAL SAILOR, GRADE 3 (INCLUDING APPRENTICE ENTRY)	Crossed diagonal lightning flashes, star above, star and letter 'P' below, large	W	B-W	No	P

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ANNEX C—continued

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Class	Catalogue Number	Badge	Description	Style	Colour	Unit of Issue	Acctg Classn
	8455-66-090-3916	TECHNICAL SAILOR, GRADE 3 (INCLUDING APPRENTICE ENTRY)	Crossed diagonal lightning flashes, star above, star and letter 'P' below, large	W	R-B	No	P
	8455-66-090-3917	TECHNICAL SAILOR, GRADE 2 (INCLUDING APPRENTICE ENTRY)	Crossed diagonal lightning flashes, star above, letter 'P' below, large	E	G-B	No	P
	8455-66-090-3918	TECHNICAL SAILOR, GRADE 2 (INCLUDING APPRENTICE ENTRY)	Crossed diagonal lightning flashes, star above, letter 'P' below, large	E	R-B	No	P
	8455-66-090-3919	TECHNICAL SAILOR, GRADE 2 (INCLUDING APPRENTICE ENTRY)	Crossed diagonal lightning flashes, star above, letter 'P' below, large	E	B-W	No	P
	8455-66-090-3920	TECHNICAL SAILOR, GRADE 2 (INCLUDING APPRENTICE ENTRY)	Crossed diagonal lightning flashes, star above, letter 'P' below, large	W	B-W	No	P
	8455-66-090-3921	TECHNICAL SAILOR, GRADE 2 (INCLUDING APPRENTICE ENTRY)	Crossed diagonal lightning flashes, star above, letter 'P' below, large	W	R-B	No	P
	8455-66-090-3922	TECHNICAL SAILOR, GRADE 1 (INCLUDING APPRENTICE ENTRY)	Crossed diagonal lightning flashes, letter 'P' below, large	E	G-B	No	P
	8455-66-090-3923	TECHNICAL SAILOR, GRADE 1 (INCLUDING APPRENTICE ENTRY)	Crossed diagonal lightning flashes, letter 'P' below, large	E	R-B	No	P
	8455-66-090-3924	TECHNICAL SAILOR, GRADE 1 (INCLUDING APPRENTICE ENTRY)	Crossed diagonal lightning flashes, letter 'P' below, range	E	B-W	No	P
	8455-66-090-3925	TECHNICAL SAILOR, GRADE 1 (INCLUDING APPRENTICE ENTRY)	Crossed diagonal lightning flashes, letter 'P' below, large	W	B-W	No	P
	8455-66-090-3926	TECHNICAL SAILOR, GRADE 1 (INCLUDING APPRENTICE ENTRY)	Crossed diagonal lightning flashes, letter 'P' below, large	W	R-B	No	P

Codes: E—Embroidered; W—Woven; G-B—Gold on Blue; R-B—Red on Blue; B-W—Blue on White

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ANNEX D

Badges for RAN Sailors—Marine Engineering Branch  
Marine Technical Power Electrics Category  
(Now Obsolete)

Class	Catalogue Number	Badge	Description	Style	Colour	Unit of Issue	Acctg Classn
	8455-66-072-7716	WARRANT OFFICER AND CPO QUALIFIED TO GRADE 4	Three bladed propellor, crown above, star and letter 'L' below, small	E	G-B	Pr	P
	8455-66-072-7717	WARRANT OFFICER AND CPO QUALIFIED TO GRADE 4	Three bladed propellor, crown above, star and letter 'L' below, small	E	R-B	Pr	P
	8455-66-072-7718	WARRANT OFFICER AND CPO QUALIFIED TO GRADE 4	Three bladed propellor, crown above, star and letter 'L' below, small	W	B-W	No	P
	8455-66-072-7719	WARRANT OFFICER AND CPO QUALIFIED TO GRADE 4	Three bladed propellor, crown above, star and letter 'L' below, small	W	R-B	No	P
	8455-66-056-7858	WARRANT OFFICER AND CPO QUALIFIED TO GRADE 3	Three bladed propellor, crown above, letter 'L' below, small	E	G-B	Pr	P
	8455-66-056-7859	WARRANT OFFICER AND CPO QUALIFIED TO GRADE 3	Three bladed propellor, crown above, letter 'L' below, small	E	R-B	Pr	P
	8455-66-056-7860	WARRANT OFFICER AND CPO QUALIFIED TO GRADE 3	Three bladed propellor, crown above, letter 'L' below, small	W	B-W	No	P
	8455-66-056-7861	WARRANT OFFICER AND CPO QUALIFIED TO GRADE 3	Three bladed propellor, crown above, letter 'L' below, small	W	R-B	No	P
	8455-66-056-7862	PETTY OFFICER QUALIFIED TO GRADE 3	Three bladed propellor, crown above, letter 'L' below, large	E	G-B	No	P
	8455-66-056-7863	PETTY OFFICER QUALIFIED TO GRADE 3	Three bladed propellor, crown above, letter 'L' below, large	E	R-B	No	P
	8455-66-056-7864	PETTY OFFICER QUALIFIED TO GRADE 3	Three bladed propellor, crown above, letter 'L' below, large	E	B-W	No	P
	8455-66-056-7865	PETTY OFFICER QUALIFIED TO GRADE 3	Three bladed propellor, crown above, letter 'L' below, large	W	B-W	No	P
	8455-66-056-7866	PETTY OFFICER QUALIFIED TO GRADE 3	Three bladed propellor, crown above, letter 'L' below, large	W	R-B	No	P
	8455-66-056-7872	TECHNICAL SAILOR, GRADE 3 (INCLUDING APPRENTICE ENTRY)	Three bladed propellor, star above, star and letter 'L' below, large	E	G-B	No	P
	8455-66-056-7873	TECHNICAL SAILOR, GRADE 3 (INCLUDING APPRENTICE ENTRY)	Three bladed propellor, star above, star and letter 'L' below, large	E	R-B	No	P

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## ANNEX D—continued

Class	Catalogue Number	Badge	Description	Style	Colour	Unit of Issue	Acctg Classn
	8455-66-056-7874	TECHNICAL SAILOR, GRADE 3 (INCLUDING APPRENTICE ENTRY)	Three bladed propellor, star above, star and letter 'L' below, large	E	B-W	No	P
	8455-66-056-7875	TECHNICAL SAILOR, GRADE 3 (INCLUDING APPRENTICE ENTRY)	Three bladed propellor, star above, star and letter 'L' below, large	W	B-W	No	P
	8455-66-056-7876	TECHNICAL SAILOR, GRADE 3 (INCLUDING APPRENTICE ENTRY)	Three bladed propellor, star above, star and letter 'L' below, large	W	R-B	No	P
	8455-66-056-7867	TECHNICAL SAILOR, GRADE 2 (INCLUDING APPRENTICE ENTRY)	Three bladed propellor, star above, letter 'L' below, large	E	G-B	No	P
	8455-66-056-7868	TECHNICAL SAILOR, GRADE 2 (INCLUDING APPRENTICE ENTRY)	Three bladed propellor, star above, letter 'L' below, large	E	R-B	No	P
	8455-66-056-7869	TECHNICAL SAILOR, GRADE 2 (INCLUDING APPRENTICE ENTRY)	Three bladed propellor, star above, letter 'L' below, large	E	B-W	No	P
	8455-66-056-7870	TECHNICAL SAILOR, GRADE 2 (INCLUDING APPRENTICE ENTRY)	Three bladed propellor, star above, letter 'L' below, large	W	B-W	No	P
	8455-66-056-7871	TECHNICAL SAILOR, GRADE 2 (INCLUDING APPRENTICE ENTRY)	Three bladed propellor, star above, letter 'L' below, large	W	R-B	No	P
	8455-66-051-8373	TECHNICAL SAILOR, GRADE 1 AND ON CATEGORISATION (INCLUDING APPRENTICE)	Three bladed propellor, letter 'L' below, large	E	G-B	No	P
	8455-66-051-8374	TECHNICAL SAILOR, GRADE 1 AND ON CATEGORISATION (INCLUDING APPRENTICE)	Three bladed propellor, letter 'L' below, large	E	R-B	No	P
	8455-66-051-8375	TECHNICAL SAILOR, GRADE 1 AND ON CATEGORISATION (INCLUDING APPRENTICE)	Three bladed propellor, letter 'L' below, large	E	B-W	No	P
	8455-66-051-8376	TECHNICAL SAILOR, GRADE 1 AND ON CATEGORISATION (INCLUDING APPRENTICE)	Three bladed propellor, letter 'L' below, large	W	B-W	No	P
	8455-66-051-8377	TECHNICAL SAILOR, GRADE 1 AND ON CATEGORISATION (INCLUDING APPRENTICE)	Three bladed propellor, letter 'L' below, large	W	R-B	No	P

Codes: E—Embroidered; W—Woven; G-B—Gold on Blue; R-B—Red on Blue; B-W—Blue on White

## ANNEX E

Badges for RAN Sailors—Air Engineering Branch  
Air Technical Weapons Category  
(Now Obsolete)

Class	Catalogue Number	Badge	Description	Style	Colour	Unit of Issue	Acctg Classn
	8455-66-072-7736	WARRANT OFFICER AND CPO QUALIFIED TO GRADE 4	Jet aircraft, crown above, star and letter 'W' below, small	E	G-B	Pr	P
	8455-66-072-7737	WARRANT OFFICER AND CPO QUALIFIED TO GRADE 4	Jet aircraft, crown above, star and letter 'W' below, small	E	R-B	Pr	P
	8455-66-072-7738	WARRANT OFFICER AND CPO QUALIFIED TO GRADE 4	Jet aircraft, crown above, star and letter 'W' below, small	W	B-W	No	P
	8455-66-072-7739	WARRANT OFFICER AND CPO QUALIFIED TO GRADE 4	Jet aircraft, crown above, star and letter 'W' below, small	W	R-B	No	P
V5	62250	WARRANT OFFICER AND CPO QUALIFIED TO GRADE 3	Jet aircraft, crown above, letter 'W' below, small	E	G-B	Pr	P
V5	63250	WARRANT OFFICER AND CPO QUALIFIED TO GRADE 3	Jet aircraft, crown above, letter 'W' below, small	E	R-B	Pr	P
V5	65250	WARRANT OFFICER AND CPO QUALIFIED TO GRADE 3	Jet aircraft, crown above, letter 'W' below, small	W	B-W	No	P
V5	69250	WARRANT OFFICER AND CPO QUALIFIED TO GRADE 3	Jet aircraft, crown above, letter 'W' below, small	W	R-B	No	P
V5	62251	PETTY OFFICER QUALIFIED TO GRADE 3	Jet aircraft, crown above, letter 'W' below, large	E	G-B	No	P
V5	63251	PETTY OFFICER QUALIFIED TO GRADE 3	Jet aircraft, crown above, letter 'W' below, large	E	R-B	No	P
V5	64251	PETTY OFFICER QUALIFIED TO GRADE 3	Jet aircraft, crown above, letter 'W' below, large	E	B-W	No	P
V5	65251	PETTY OFFICER QUALIFIED TO GRADE 3	Jet aircraft, crown above, letter 'W' below, large	W	B-W	No	P
V5	69251	PETTY OFFICER QUALIFIED TO GRADE 3	Jet aircraft, crown above, letter 'W' below, large	W	R-B	No	P
	8455-66-056-9755	TECHNICAL SAILOR, GRADE 3 (INCLUDING APPRENTICE ENTRY)	Jet aircraft, star above, star and letter 'W' below, large	E	G-B	No	P
	8455-66-056-9756	TECHNICAL SAILOR, GRADE 3 (INCLUDING APPRENTICE ENTRY)	Jet aircraft, star above, star and letter 'W' below, large	E	R-B	No	P
	8455-66-056-9757	TECHNICAL SAILOR, GRADE 3 (INCLUDING APPRENTICE ENTRY)	Jet aircraft, star above, star and letter 'W' below, large	E	B-W	No	P

## ANNEX E—continued

Class	Catalogue Number	Badge	Description	Style	Colour	Unit of Issue	Acctg Classn
8455-66-056-9758		TECHNICAL SAILOR, GRADE 3 (INCLUDING APPRENTICE ENTRY)	Jet aircraft, star above, star and letter 'W' below, large	W	B-W	No	P
8455-66-056-9759		TECHNICAL SAILOR, GRADE 3 (INCLUDING APPRENTICE ENTRY)	Jet aircraft, star above, star and letter 'W' below, large	W	R-B	No	P
8455-66-056-9750		TECHNICAL SAILOR, GRADE 2 (INCLUDING APPRENTICE ENTRY)	Jet aircraft, star above, letter 'W' below, large	E	G-B	No	P
8455-66-056-9751		TECHNICAL SAILOR, GRADE 2 (INCLUDING APPRENTICE ENTRY)	Jet aircraft, star above, letter 'W' below, large	E	R-B	No	P
8455-66-056-9752		TECHNICAL SAILOR, GRADE 2 (INCLUDING APPRENTICE ENTRY)	Jet aircraft, star above, letter 'W' below, large	E	B-W	No	P
8455-66-056-9753		TECHNICAL SAILOR, GRADE 2 (INCLUDING APPRENTICE ENTRY)	Jet aircraft, star above, letter 'W' below, large	W	B-W	No	P
8455-66-056-9754		TECHNICAL SAILOR, GRADE 2 (INCLUDING APPRENTICE ENTRY)	Jet aircraft, star above, letter 'W' below, large	W	R-B	No	P
V5 62252	..	TECHNICAL SAILOR, GRADE 1 AND ON CATEGORISATION (INCLUDING APPRENTICE)	Jet aircraft, letter 'W' below, large	E	G-B	No	P
V5 63252	..	TECHNICAL SAILOR, GRADE 1 AND ON CATEGORISATION (INCLUDING APPRENTICE)	Jet aircraft, letter 'W' below, large	E	R-B	No	P
V5 64252	..	TECHNICAL SAILOR, GRADE 1 AND ON CATEGORISATION (INCLUDING APPRENTICE)	Jet aircraft, letter 'W' below, large	E	B-W	No	P
V5 65252	..	TECHNICAL SAILOR, GRADE 1 AND ON CATEGORISATION (INCLUDING APPRENTICE)	Jet aircraft, letter 'W' below, large	W	B-W	No	P
V5 69252	..	TECHNICAL SAILOR, GRADE 1 AND ON CATEGORISATION (INCLUDING APPRENTICE)	Jet aircraft, letter 'W' below, large	W	R-B	No	P

Codes: E—Embroidered; W—Woven; G—B—Gold on Blue; R—B—Red on Blue; B—W—Blue on White

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## Section 3

## OPERATIONAL AND TRAINING

UNCLASSIFIED

## 400/75—Shipwright Officers Transfer to the Marine Engineering Specialisation

1. The system of training and employment introduced under SAILSTRUC for the Marine Technical Hull category requires sailors of this category to obtain the Marine Engineering Propulsion Watchkeeping Certificates at various stages of their careers.

2. The award of these Watchkeeping Certificates will allow sailors when promoted via the Special Duties List to be promoted to the SDENME(H) List. The advantages resulting from promotion to the SDENME(H) List, rather than to the current SDSH List are:

- promotion prospects beyond LCDR;
- opportunity to fill MEO Charge Billets; and
- opportunity to be considered for selection to the General List.

3. The procedure of promotion to the SDENME(H) list will commence automatically when the first SAILSTRUC trained MTH category sailors are promoted. Meanwhile MTH category sailors, who are RATSTRUC trained will, in accordance with current policy, be selected for promotion to SD Shipwright Officers until 31 December 1984. After that date, only those RATSTRUC trained MTH sailors with Officer Candidate papers current at that date will be considered for promotion to the SDSH List.

4. Any RATSTRUC trained MTH sailor who is recommended for promotion to the SD List after 31 December 1984 and who is not covered by Officer Candidate papers will be required to obtain his Propulsion Watchkeeping Certificates in order to qualify for that promotion.

5. Any RATSTRUC trained MTH sailor who is recommended for promotion to the SD List may volunteer for promotion to the SDENME(H) List. On doing so he will be given every encouragement to gain the mandatory Propulsion Watchkeeping Certificates.

6. RATSTRUC and SAILSTRUC sailors promoted to the SDENME List will compete with all other officers on that list for promotion.

7. The availability for present SDSH Officers to transfer to the SDENME(H) List will cease on 1 January 1980.

(N519/5/22)

## Section 4

## EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

## 401/75—Use of Trade Marks and Trade Names

(DCI (General) S50/75)

1. It has recently been brought to notice that the word 'DANFORTH', widely used in Naval service as a generic term for a type of anchor, is now a registered trade mark owned by The Eastern Company of Naugatuck, Connecticut, USA.

2. As Government Departments generally have from time to time been accused of improperly using registered trade marks in drawings and other documents that they have prepared or issued, the present opportunity is taken to remind all concerned that the misuse

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of a registered trade mark to describe a similar article which is not made by the owner of the registered trade mark is an infringement of that owner's statutory rights for which damages can be recovered.

3. It is therefore necessary to avoid the improper use in official documents, drawings or publications of any word or device which is or may be a trade mark (registered or unregistered) or a trade name.

4. Another reason for avoiding the use of trade marks and trade names is to avoid negating the general principle of purchase of Government requirements by open tender.

5. It should also be noted that 'TRICHLORETHYLENE' is the ICI trade name spelling of the degreasing agent and that it is technically incorrect to use it. TRICHLOROETHYLENE must be used in all official documents.

6. Further examples of trade marks are as follows:

- Cellophane for wrappings
- Frigidaire for refrigerators, etc
- Primus for LP gas stoves
- Masonite for wall boards
- Kodak for cameras
- Niphan for electrical sockets
- Nichrome for nickel chromium resistors
- Whale for pumps
- Dunlopillo for foam rubber
- Formica for decorative laminates
- Brush for metals of all kinds, electrical machinery
- Delta for metals and alloys
- DZUS for metal fasteners
- Atomic for electrical machines
- Ferodo for friction or antifriction equipment
- Hoover for domestic electrical appliances
- Tricity for scientific instruments

7. An article should normally be identified by its ordinary trade description or by the approved item name as recorded in ABR 5074 RAN Catalogue of Materiel (eg, socket). Any other description should be regarded with suspicion, especially if it includes an invented word (eg, Niphan), a word used other than with its ordinary dictionary meaning (eg, Whale, for pumps) or a surname or a company name (eg, Hoover).

8. The following principles should be observed in the preparation of supply and technical documents to be used for procurement purposes:

- a. a general specification is to be quoted whenever possible;
- b. where a specification is not available and the item is designated by a proprietary name, but an equivalent item is acceptable, the words 'or equivalent' are to be included; and
- c. where one product only is acceptable for reasons such as compatibility with existing equipment or standardisation based on previous public tender, the specific reasons for restriction are to be clearly stated.

9. In cases of doubt, the matter will be referred to the Patent, Trade Marks and Designs Office for consideration. Any such matter is to be forwarded to the Director of Naval Supply Policy, Department of Defence (Navy Office) who will communicate with the Patent, Trade Marks and Designs Office.

(184/51/30)

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F. D. ATKINSON, Government Printer, Canberra

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