

DNLS.

1974 ANO.

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RESTRICTED

ANOs 1/74-22/74



AUSTRALIAN NAVY ORDERS

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Navy Office, Canberra,
25 January 1974.

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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Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

1/74—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:

<i>Section</i>	<i>Title</i>
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 A disposal instruction is included in Navy Orders each month listing the orders no longer in force which may be disposed of.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 Index is now issued, covering orders promulgated over the previous three years. A Supplement is compiled in June of each year listing orders promulgated in the previous six months. 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 1973 was No 376.

8. Navy Order 1/73 is hereby cancelled.

(47/8/7)

(Navy Order 1/73)

UNCLASSIFIED

2/74—Protection of Commercially Valuable Information

1. The MOD UK instructions for the security protection of commercially valuable information are more stringent than those applicable in the RAN under ABR 337 Article 0530.

2. The following information and instructions are based on the MOD UK requirements and are to be applied for the protection of UK information bearing the markings COMMERCIAL IN CONFIDENCE or COMMERCIAL IN CONFIDENCE—NAMED DISTRIBUTION ONLY.

3. Commercial information, some of it extremely valuable, is increasingly being handled by Government Departments. Industrial espionage is known to be on the increase and there is abundant evidence that foreign intelligence services are actively engaged in attempting to acquire unclassified but valuable industrial and commercial information. It is important that precautions should be taken against this type of threat and against any leakage of information, which could damage the essential trust between industry and the Department.

4. Commercially valuable information should not bear a national security classification, unless it needs security protection in the national interest. Such a classification invokes not only the full range of protective measures (including personnel security checking), but also the right of the Government to control dissemination. The owner of the information should retain the right to control dissemination of commercially valuable information. Protection is best given to such information by clearly identifying it, indicating its owner, limiting the number of those permitted access to it on a 'need to know' basis and requiring certain precautions in its handling. For these purposes, use should be made of commercial privacy markings.

5. Two commercial privacy markings are to be used: the basic marking COMMERCIAL IN CONFIDENCE and, for exceptionally valuable information, the special marking COMMERCIAL IN CONFIDENCE—NAMED DISTRIBUTION ONLY. This latter marking should normally be authorised only by Directors and Heads of Divisions or above. The meanings of these markings and the protective measures appropriate to each are given in the table in Annex A, which is unclassified. Divisions and Directorates may at their discretion inform firms of these measures.

6. In some cases commercially valuable information may be received orally or there may be a question of mentioning it orally in a meeting. If, with the owner's consent and after application of the 'need to know' rule, oral mention is found necessary, the information must clearly be identified as given in confidence to the recipients. All persons outside the Defence Group of Departments and the Services, whether Government Servants or not, such as consultants and members of committees, etc, should be warned of the need for special care and instructed not to record the information (either on paper or on tape) except with Departmental authority. If, in exceptional cases, such authority is given, the recipient should be required to assume personal responsibility for the record and its protection.

7. The procedures for recording, transmission, dispatch, protection and destruction of documents marked COMMERCIAL IN CONFIDENCE—NAMED DISTRIBUTION ONLY, described in the Annex, are similar to those for the protection of material classified SECRET, and in the RAN and Department of the Navy, UK COMMERCIAL IN CONFIDENCE—NAMED DISTRIBUTION ONLY information will be afforded no less protection than that for SECRET.

ANNEX A

Protection of Commercially Valuable Information

	COMMERCIAL IN CONFIDENCE	COMMERCIAL IN CONFIDENCE NAMED DISTRIBUTION ONLY
<i>Meaning</i>	Information of actual or potential commercial value	Information of exceptionally high actual or potential commercial value
<i>Authorisation</i>	.. .. .	Directors/Heads of Divisions and above
<i>Indication of limited distribution</i>	Where appropriate, a restriction should be indicated on the document or file immediately below the commercial privacy marking: eg, 'Contains information belonging to (XYZ Ltd) which may be passed within the Defence Group of Departments only to those with a clear need to know and, to third parties only with the owner's consent'	As for COMMERCIAL IN CONFIDENCE but, in addition those within the Defence Group of Departments who need to know should be named on a list attached to the document or file. Distribution within the Defence Group of Departments should be limited to those named, and the list should not be added to without reference to the authorising officer. Where copies of documents are sent to or received from another Department, recipients have discretion to authorise a further distribution, limited to those who need to know. These should be named on a supplementary list attached to the document; details of this list will not be reported to the originator unless specifically asked for
<i>Document control</i>	.. Identifying Reference required	Identifying reference, copy number and receipt system required; movements and disposal to be recorded; not to be reproduced without reference to the authorising officer except that recipients in another Department who authorise a further distribution may also authorise any necessary reproduction using additional identifying copy numbers

ANNEX A—continued

	COMMERCIAL IN CONFIDENCE	COMMERCIAL IN CONFIDENCE NAMED DISTRIBUTION ONLY
Review of marking ..	At first opportunity ..	At first opportunity, but at least once a year
Transit ..	Single envelope bearing no marking and addressed by name; to be sent within Australia by messenger service or ordinary post and abroad by registered letter post (to posts in Communist countries, by diplomatic bag)	Double envelope, outer bearing no marking and addressed by name, inner marked 'To be opened only by (name)' to be sent within Australia in accordance with ABR 337 Article 0714 for SECRET matter, and, with the owner's consent, abroad by diplomatic bag or by an approved courier service
Custody when not in use	Lock and key ..	Class B Security Container
Destruction ..	Coarse shredding or tearing into small pieces and mixing	Burning, pulping or fine shredding

(1617/6/283)

UNCLASSIFIED

3/74—Security Classification of Matter

1. The basic principle of protective security is to clearly identify information which requires security protection. If the elements of classified information in a document can be specified, the reader is more readily able to make judgements about further dissemination of parts of the document. Results can include greater confidence and economy in the application of security measures, and, because originators are requested to give more thought to classification, problems of overclassification should be reduced.

2. ABR 337 Articles 0512 and 0522c require pages, passages or individual items in a document to be classified individually where practicable. The purpose of this order is to draw to the attention of personnel originating classified documents to indicate also the classification of the title of the document. The initial letters of the classification, in brackets, including (U), are to be used for this purpose.

3. ABR 337 will be amended.

(1617/6/291)

RESTRICTED

4/74—Travel Restrictions to Taiwan and Southern Rhodesia

Government policy in respect of both *official* and *private* travel to these two overseas countries has been stated and is as follows:

- Official travel:* No member of the Australian Government Service or the Armed Forces may visit Taiwan or Southern Rhodesia nor may they make a scheduled transit journey through those countries in their official capacity or while travelling on *official* duty.
- Private travel:* Whilst there is no absolute restriction on *strictly private* travel to or through these two countries, no Australian citizen is to use an Australian diplomatic or official passport for that purpose. Members of the Armed Forces may *not* wear uniforms.

(42/1/323)

Section 2

PERSONNEL

UNCLASSIFIED

5/74—Eastern Orthodox Denomination Holy Days 1974

Subject to the exigencies of the Service, leave of absence may be granted to Royal Australian Naval personnel belonging to the Eastern Orthodox denomination who may desire to observe the following Holy Days in 1974, in lieu of those observed by the other Christian denominations:

Christmas Day ..	..	7 January 1974
Good Friday ..	..	12 April 1974
Easter ..	..	14 April 1974
Easter Monday ..	..	15 April 1974

(323/1/24)

UNCLASSIFIED

6/74—RAN Relief Trust Fund Financial Statement, 1972-1973

1. The Statement of Accounts of the RAN Relief Trust Fund for the period 1 July 1972 to 30 June 1973, and the Balance Sheet as at 30 June 1973 are promulgated as Annex A to this order.

Assistance Rendered

2. The reasons for which loans have been made during the last two years are as follows:

Nature	Loans Made		Percentage of Cases	
	1971-72	1972-73	1971-72	1972-73
Housing	371	382	24.1	24.5
Furniture	757	813	49.1	52.2
Medical and Dental ..	33	44	2.1	2.8
Travelling and Removals ..	117	79	7.6	5.1
Domestic (Overdue Accounts) ..	236	144	15.3	9.3
Legal	—	24	—	1.5
Other Reasons	28	72	1.8	4.6
	<u>1,542</u>	<u>1,558</u>	<u>100.0</u>	<u>100.0</u>

3. The amounts loaned under the respective categories were:

	1971-72	1972-73
	\$	\$
Housing Loans	354,967	354,600
Furniture Loans	409,406	458,010
Other Loans	42,466	40,926
	<u>806,839</u>	<u>853,536</u>

4. The grants shown in the Balance Sheet were made up as follows:

a. To widows or dependants of personnel who died whilst serving	1,890.00
b. To dependants of deceased personnel whose outstanding Relief Trust Fund loans were written off	1,148.00
c. To ex Naval men or their dependants	891.35
Total	3,929.35

In addition further grants totalling \$14,314.91 were made in respect of Housekeeping Services.

ANNEX A
ROYAL AUSTRALIAN NAVY RELIEF TRUST FUND
STATEMENT OF INCOME AND EXPENDITURE FOR THE YEAR ENDED 30 JUNE 1973

	1971-72	1972-73	1971-72	1972-73
	\$	\$	\$	\$
Expenditure				
Administrative Expenses—				
Salaries, Travelling and Insurance	3,323	3,131.17	1,663	3,046.04
Miscellaneous	299	258.06	2,078	1,863.95
Grants	2,840	3,389.23	83,861	4,909.99
Grants for Housekeeping Services	3,986	3,929.35	3,986	97,269.46
Bad Debts	1,018	14,314.91		
Surplus of Income Over Expenditure	80,160	100,003.55	38	14,314.91
	<u>91,626</u>	<u>121,637.04</u>	<u>91,626</u>	<u>5,142.68</u>
				<u>121,637.04</u>
Income				
Interest—				
Investments				3,046.04
Bank				1,863.95
RAN Central Canteens Fund Contributions				4,909.99
RAN Central Canteens Fund Reimbursement of Expenditure Grants for Housekeeping Services				97,269.46
Donations				14,314.91
				<u>5,142.68</u>

BALANCE SHEET AS AT 30 JUNE 1973

	30 June 1972	30 June 1973	30 June 1972	30 June 1973
	\$	\$	\$	\$
Liabilities				
Accumulated Funds—				
Balance as at 1 July, 1972	870,846.65	870,846.65	Cash—	
Less Provision for Bad Debts	3,500.00	3,500.00	Bank	105,609.05
	<u>867,346.65</u>	<u>867,346.65</u>	Agency Advances	19,771.59
Add Surplus of Income Over Expenditure	100,003.55	100,003.55	Loans Outstanding	125,380.64
	<u>967,350.20</u>	<u>967,350.20</u>	Investments—at cost	757,787.95
Provision for Bad Debts			RAN Central Canteens Fund Grants for Housekeeping Services	82,105.60
Unclaimed Moneys			Interest Accrued—	1,680.90
			Investments	614.75
	<u>870,847</u>	<u>967,569.84</u>		<u>967,569.84</u>
Assets				

The above Balance-sheet and Statement of Income and Expenditure have been examined and are in agreement with the books and accounts. In my opinion they show fairly the financial transactions for the year ended 30 June 1973 and the state of the affairs of the Royal Australian Navy Relief Trust Fund as at that date. Investments with a face value of \$82,300, shown in the Balance-sheet at cost, have been verified.

W. H. SCOTT,
Acting Auditor General
12 October 1973

(Sgd) H. D. STEVENSON, Rear Admiral } Trustees, RAN Relief
(Sgd) W. A. KEMP, Captain, RAN } Trust Fund
(Sgd) R. A. CLARKE, Commander, RAN }
(Sgd) J. T. ECCLESTON, Commander, RAN }
(Sgd) A. B. CALDER, Commander, RAN (Ret'd), Secretary }

UNCLASSIFIED

7/74—Recovery of RAN Identity Cards on Retirement or Discharge

Commanding Officers are reminded of the need to recover Identity Cards on retirement or discharge of members to enable action to be taken in accordance with RI Article 1002. 7. e.

(63/3/115)

Section 4**EQUIPMENT, STORES AND SERVICING**

RESTRICTED

8/74—Ammunition—Guns and Missiles—Interim Practice Allowances

1. This order promulgates interim practice allowances of surface weapons and small arms to apply retrospectively from 1 July 1973. These allowances will effect an overall reduction in weapon expenditure of approximately twenty-five per cent and will remain in force until full allowances can be restored.

2. The reductions vary between different classes of ship based upon factors such as the importance of the particular weapon to the roles of the ship and the number of weapons fitted in the ship.

3. Careful planning of weapon practices and weapon training periods will help to offset the effects of reduced ammunition allowances. Wasteful expenditure must be avoided but it is still of prime importance that guns are fired at frequent intervals to ensure that they function correctly and that crews are efficient.

4. Where individual ships have a requirement to expend ammunition in excess of approved allowances they should apply to the Fleet Commander for an allocation from the Fleet Pool. Typical occasions where additional expenditure would be justifiable are:

- change of key members of the Control Team;
- introduction of some recently authorised control procedure; and
- preparation for a temporary operational NGS commitment.

5. Except as stated in Paragraph 7 below, ships are normally to carry the outfit of practice ammunition as authorised. Ships are authorised to demand and embark additional practice ammunition, up to six months allowance, when considered necessary but not at the expense of the stowage of service outfit.

6. Where Starshell and Marker/White Phosphorus for practice are taken from outfit, the outfit is not to be allowed to fall below fifty per cent.

Work-up Expenditure

7. Ships working up are provided with a work-up allowance which exceeds the normal practice outfit. The full requirements for trials and work-up are to be embarked at the completion of refit, the service outfit being reduced as necessary.

Annual Allowances

8. Those allowances which are provided on an annual basis are applicable for the fiscal year (1 July to 30 June).

Ships' Records

9. Ships are to maintain a graphical or tabular record of ammunition allowed and expended, using a separate sheet for each type of ammunition. These records should commence on the day the ship comes out of refit and cover the period of the operating cycle.

Expenditure for Training Gunnery Training Classes

10. Ammunition for training classes from the Gunnery School need not be deducted from the firing ship's practice allowance. This applies also to Seacat missiles expended for Seacat aimers qualification firings.

Expenditure at West Head Gunnery Range

11. Every effort is to be made to minimise any reduction in training standards imposed by reduced ammunition allowances for pre work-up training and gunnery classes at HMAS CERBERUS. This can be achieved by careful planning of firing programmes at WHGR so that the maximum number of personnel derive benefit from firings.

12. Navy Orders 349/72 and 45/73 are hereby cancelled.

ANNEX A**Allowances**

Details of allowances are contained in the following tables:

TABLE A—Allowances for 5 inch and 4.5 inch guns.

TABLE B—Allowances of Seacat missiles.

TABLE C—Annual allowances for 40 mm and 0.5 inch guns.

TABLE D—Annual allowance of rocket flares.

TABLE E—Annual allowance of small arms ammunition.

1—RAN Officers and Sailors.

2—Blank ammunition for HMA ships and establishments.

3—RANR personnel.

4—NRC personnel.

TABLE F—Annual allowances for Fleet Pool.

TABLE G—West Head Gunnery Range—training scale of allowances.

TABLE H—Annual allowance—Training Pool.

TABLE I—Allowance for DGOs under training.

Table A

Allowance for 5 inch and 4.5 inch guns

Class of Ship (number of guns)	DDG (2)			Daring (M22) (6)		
	Post Refit Trials and Work-up	Post MCD Work-up	Monthly	Post Refit Trials and Work-up	Post MCD Work-up	Monthly
SU Practice ..	180	80	18	250	110	28
AA Practice ..	250	120	32	340	160	45
NGS Practice ..	130	50	16	150	50	24
Starshell ..	32	16	3	40	16	6
RE/I ..	—	—	—	16	8	4
Marker ..	16	7	2	20	6	3

ANNEX A—continued

Class of Ship (number of guns)	River Class (2)			Daring (MRS 3) (4)		
	Post Refit Trials and Work-up	Post MCD Work-up	Monthly	Post Refit Trials and Work-up	Post MCD Work-up	Monthly
SU Practice ..	130	60	16	150	60	16
AA Practice ..	170	80	25	190	100	30
NGS Practice ..	80	32	12	100	36	12
Starshell ..	24	12	4	24	12	4
RE/I ..	16	8	3	12	8	3
Marker ..	12	4	2	14	4	2

Notes: a. Monthly Allowance:

The monthly allowance is applicable only to time not spent in refit, trials, work-up, AMP, SMP and MCD. Ships on a three year operating cycle are entitled to twenty monthly allowances in the course of a complete cycle and ships on a two year operating cycle are entitled to ten monthly allowances in the course of a complete cycle. In exceptional circumstances ships may expend up to two months allowance in advance, but if expenditure above this level is required, the approval of the Fleet Commander is to be obtained.

b. Surface Practices:

- (1) In exceptional circumstances, such as when the sea state may preclude the successful spotting of the fall of shot by radar in a pre-action calibration, HE fuzed DA may be substituted for up to ten per cent of the SU (P) allowance.
- (2) For SU practice firings against radio controlled surface targets, AA (P) fuzed VT may be substituted for SU (P) up to twenty-five per cent of the ammunition used in the particular firing serial.

c. AA Practices:

- (1) HE shell may be substituted for up to five per cent of the AA (P) allowance for special firings when circumstances permit, but never when engaging a pilotless target aircraft or Delmar targets.
- (2) SU (P) shell is generally to be substituted for AA (P) shell when a Miss Distance Indicator System is used for scoring, but AA (P) may be used if MDI results are suspect.
- (3) N97 Series VT fuzes are to be used in 4.5 inch practice firings. The earliest Marks available are to be used for practice firings other than Acceptance Trial Firings.
- (4) AA (P) fuzed TM may be used for alignment check firings, AA throw-off firings and AA gun direction firings (throw-off) as required.

ANNEX A—continued

d. NGS Practices:

- (1) Marker/WP is always to be used for the opening salvo when HE shells are to be used for subsequent salvos.
- (2) NGS (P) shell (due to enter service in 1974) are to be used when they are available. Otherwise HE shell or SU (P) shell are to be used as appropriate to the firing range being used.
- (3) VT fuzes may be substituted for DA fuzes for up to ten per cent of the NGS allowance.
- (4) AAC projectiles/TM fuzes may be substituted for HEPD for up to ten per cent of the NGS allowance in DDGs.
- (5) 4.5 inch DA fuzes for NGS practice firings are to be 230, N3, AN1, AN2 or N97 supplied paralysed in lieu of DA. (N97 fuzes are not normally to be paralysed on board for NGS practice firings.)

Table B

Allowance of Seacat missiles

Post Refit Work-up (2 per complemented aimer)	Every 8 months commencing 8 months after completion of work-up (1 per complemented aimer)
HMAS YARRA HMAS PARRAMATTA HMAS STUART HMAS DERWENT HMAS SWAN HMAS TORRENS	Maximum of 6 .. Maximum of 3

Notes: a. Practice Missiles: Practice missiles will be supplied in the ratio of three Hybrid missiles to one Mod 1 missile when stocks permit.

b. Work-up firings:

- (1) Ships may fire one warhead missile during work-up provided that a suitably augmented target is available.
- (2) Any work-up missiles not expended during work-up should be fired as soon as possible thereafter and do not affect the commencement of the first continuation training period eight months after completion of work-up.

c. Replacement Allowance: Commanding Officers may authorise the firing of a replacement missile in the event of missile failure. Such replacements may only be authorised after careful study of the circumstances and all available records confirm that the missile failed in flight. In forwarding the records, the Commanding Officer's covering letter is to state that a replacement was fired.

d. Avoidance of Wastage: To avoid missile wastage, missiles are not to be fired for practice:

- (1) by an aimer who is due to leave the ship within two months;
- (2) by a ship within two months of a scheduled refit.

ANNEX A—continued

- e. **Proof Firings:** One per cent of total stocks of missiles may be fired for proof each year. They will be provided in lieu of practice missiles of the normal allowance for continuation training. Ships will be informed when they are required to carry out proof firings.
- f. **Seacat Aimers:**
- (1) A Seacat aimer will not be considered fully qualified until he has fired two missiles satisfactorily.
 - (2) An aimer who fails to achieve a miss distance of less than twenty-five feet on two consecutive firings should not fire again until he has been re-trained at HMAS CERBERUS.
 - (3) An aimer who fails to achieve the required standard (see Note f. (2) above) on three consecutive firings is to be reported to FOCAF with a view to relinquishment of the Seacat aimer qualification.
- g. **Refresher Training:** When practicable aimers and controllers of ships in Australia are to carry out refresher training (Course 911650) in the Seacat Dome trainer at HMAS CERBERUS before practice firings are carried out.
- h. **Seacat Aimers Qualifying Course Firing Allowance:** Missiles expended by Seacat Aimers Qualifying Courses are not to be deducted from the firing ships allowance.

Table C

Allowance for 40 mm and 0.5 inch guns

Ship/Class	Annual Allowance Per Gun			
	Cartridge HE fuzed fitted tracer igniter	Cartridge practice weighted and plugged	Cartridge BU Shot	Cartridge 0.50 inch Browning Ball M2, Tracer M1 linked 4 : 1
HMAS MELBOURNE	300	100	70	2,400 rounds per gun per annum or 200 rounds per gun per month if guns embarked for less than a full year
HMAS SUPPLY ..	300	100	70	
HMAS STALWART ..	300	100	70	
HMAS VAMPIRE ..	380	120	80	
HMAS VENDETTA ..	380	120	80	
HMAS DUCHESS ..	320	100	70	
HMAS ANZAC ..	320	100	70	
MCMV ..	400	120	80	
Patrol Boats ..	440	120	80	
HMAS DIAMANTINA	320	100	70	
DDGs ..	—	—	—	
River Class ..	—	—	—	
LCH ..	—	—	—	

Notes: a. **Cartridge HET:**

- (1) Occasionally certain lots of cartridges HET will be designated for practice. When this occurs care is to be taken to ensure that these cartridges are used before cartridges provided for service outfit.

ANNEX A—continued

- b. **Cartridge PW and P:** Pilotless target aircraft (with or without MDI) and Delmar targets fitted with MDI are invariably to be engaged with PW and P shell.
- c. **Break-up Shot:**
- (1) No barrel is to fire more than two hundred rounds of break-up shot in any one year.
 - (2) Patrol boats are not to fire break-up shot unless base assistance is available within twenty-four hours, without interruption to their programme.
- d. **Cartridges 0.50 inch Browning:** Where 0.50 inch Browning MGs are embarked for a period less than a full practice year, the allowance is to be scaled down accordingly.

Table D

Annual allowance of 2 inch rocket flares

Class of Ship	Annual Allowance per Ship
Destroyer Escorts ..	22
Patrol Boats/MCMVs ..	9

Table E1

Annual allowance of small arms ammunition for RAN officers and sailors

Weapon	Personnel	Allowance
7.62 mm L1A1 ..	100 per cent officers and sailors	35 ball
	10 per cent sailors	40 ball (up to 25% tracer)
9 mm F1 SMG ..	100 per cent officers	25 ball
	30 per cent sailors	25 ball
	100 per cent Cadet Midshipmen	50 ball
9 mm Pistol ..	100 per cent Midshipmen SL at HMAS CERBERUS	50 ball
	100 per cent officers	15 ball
	30 per cent sailors	15 ball
	100 per cent Cadet Midshipmen	18 ball
.22 inch Rifle ..	100 per cent Midshipmen SL at HMAS CERBERUS	18 ball
	100 per cent officers and sailors	35 ball
	100 per cent trainees at CRESWELL, NIRIMBA, LEEUWIN, CERBERUS and TARANGAU ..	90 ball

ANNEX A—continued

Table E2

Annual allowance of blank ammunition (7.62 mm)

Ship	Allowance
HMAS MELBOURNE,	750 rounds
HMAS SUPPLY, STALWART, DDGs, DDs and DEs	350 rounds
Other Ships	200 rounds
HMAS CERBERUS	1,500 rounds
HMAS LEEUWIN, NIRIMBA, ALBATROSS and WATSON	750 rounds
Other Establishments	400 rounds

Table E3

Annual allowance of small arms ammunition for RANR officers and sailors

Weapon	Personnel	Allowance
7.62 mm L1A1 ..	100 per cent officers	35 ball
	100 per cent seaman category sailors	35 ball
	100 per cent non-seaman category sailors	20 ball
7.62 mm L2A1 ..	100 per cent officers	40 ball } up to 25%
	100 per cent seaman category sailors	40 ball } tracer
	100 per cent non-seaman category sailors	20 ball
.22 inch rifle ..	100 per cent officers and sailors	38 ball
9 mm Pistol ..	100 per cent seaman officers	25 ball

Note: Ammunition for RANR training is to be demanded in addition to that allowed for establishments.

Table E4

Annual allowance of small arms ammunition for NRC

Weapon	Allowance per Cadet
7.62 mm L1A1	30 ball
.22 inch rifle	30 ball

Note: 7.62 mm ammunition is allowed for use by cadets during specialist and promotion training only where the temporary loan of 7.62 mm rifles can be arranged locally.

ANNEX A—continued

Table F

Annual ammunition allowance—Fleet Pool

Type	Purpose	Allowance
4.5 inch AA (P) VT	AA/SU (RCST)	200
4.5 inch SU (P)	SU/NGS/AA (MDI)	200
4.5 inch NGS (P)	NGS	75
4.5 inch HEDA	AA/SU/NGS	50
4.5 inch HE VT	AA/NGS	40
4.5 inch STARHELL	Illumination	40
4.5 inch RE/I	Windfinding/Window	20
4.5 inch Marker	NGS	10
5 inch D333 AAVT	AA/SU (RCST)	150
5 inch BL & P	SU/NGS/AA (MDI)	120
5 inch D320 HEPD	SU/NGS	80
5 inch D317 FCL	SU/NGS	25
5 inch VT NSD	—	—
5 inch D316 FCL	AA	25
5 inch VT SD	—	—
5 inch D319 AAC	AA/SU/NGS	25
5 inch TM	—	—
5 inch D353	Illumination	15
5 inch D313 WP	NGS	12
Seacat Practice Missile	—	2
Seacat Warhead Missile	—	1

Notes: a. The ammunition in Table F may be allocated at the discretion of the Fleet Commander for the following purposes:

- (1) trials and investigations;
- (2) special training;
- (3) exercise requirements; or
- (4) for ships which have expended their normal allowance.

b. Ships allocated ammunition from the Fleet Pool are to make an appropriate notation on expenditure records to this effect, quoting the allocating reference.

c. FOCAF will maintain expenditure records in respect of the Fleet Pool similar to those maintained by ships.

Table G

West Head Gunnery Range—Training—Scale of Allowances

The following allowances of ammunition are authorised for use by training classes and for pre work-up training:

- a. 4.5 inch Ammunition:
 - (1) Classes (per man)

	AA (P)	SU (P)	(SU & NGS)	Starshell	RE/I
QMG	8	9		3	1
FC	8	9		3	2
WM/SAAP/ETWA	8	9		3	2

* Plus an additional eight rounds per man for local control firings for POWMs.

ANNEX A—continued

(2) PWT (per ship)

	AA (P)	SU (P) (SU & NGS)	Starshell	RE/I
DARING (M22)	110	160	28	8
DARING (MRS3)	72	100	14	8
RIVER CLASS ..	36	55	14	8

b. 40/60 Ammunition:

(1) Classes (per man)

	Mounting	Break-up	HET
POQMG ..	Mark 7 or 9	8	8
	Mark 5	12	12
QMG/WM/SAAP/ETWA ..	Mark 7 or 9	12	12
	Mark 5	12	12

(2) PWT (per mounting crew)

	Mounting	Break-up	HET
	Mark 7 or 9	24	12
	Mark 5	48	48

c. 2 inch Rocket Flare:

(1) Classes (per class of QMG)

(2) PWT (per ship)

			2
			2

d. 0.5 inch MG:

(1) Classes (per man) Rounds (Ball and Tracer Linked 4:1)

QMG/WM 40

(2) PWT (per ship) 400

Note: CST HMAS CERBERUS is to forward an annual report of ammunition expended at 30 June. The report is to show separately ammunition of each type expended by training classes and by ships' gunnery teams during PWT.

Table H

Annual allowance—Training Pool

Type	Allowance
4.5 inch AA (P) VT	60
4.5 inch SU (P)	75
4.5 inch STAR SHELL	15
4.5 inch RE/I	8
40/60 Break-up	300
40/60 inch HET	300
2 inch Rocket Flare	5
0.50 inch Browning	800

Notes: a. The ammunition in Table H may be allocated at the discretion of CST HMAS CERBERUS for the following purposes:

- (1) For training classes where a satisfactory standard has not been achieved with the normal allowance.
- (2) For ships' teams during PWT where a satisfactory standard has not been achieved with the normal allowance.
- (3) For special requirements such as evaluations of new drill procedures.

b. CST HMAS CERBERUS is to report expenditure from the Training Pool in conjunction with the expenditure report for WHGR.

ANNEX A—continued

Table I

Allowance (per officer) for DGOs Course

Type	Allowance	
	For use at WHGR	For use in Firing Ship
4.5 inch AA (P) VT	15	20
4.5 inch SU (P)	20	20
4.5 inch STAR SHELL	5	12
4.5 inch RE/I	2	2
4.5 inch HEDA	—	20
4.5 inch MARKER	—	3
2 inch Rocket Flare	2	—
.50 inch Browning	40	—

Notes: a. The allowance of 4.5 inch ammunition for use at WHGR is fifty per cent of the actual requirement. The remainder of the requirement is provided by combining DGO course firings with firings conducted for sailors courses.

b. NGS (P) shell (when available) may be substituted for HEDA shell for NGS firings.

(725/252/19)

(Navy Orders 349/72 and 45/73)

UNCLASSIFIED

9/74—Diving—Requirements for Submission of Samples of Dry Breathing Air for Diving Purposes

1. Specification DW 7897D lays down the air purity requirements for diving purposes.

2. Samples of air are to be taken before and after final filtration panels used in conjunction with air compressors associated with the supply of breathing air for diving purposes. Where filtration panels are not fitted, they may be taken at the outlet of the compressor at periods as indicated in ABR 155, Article 1004.20.b. These samples are to be forwarded to the Defence Standards Laboratories for analysis and report.

3. Copies of the laboratory report of each analysis are to be forwarded to the Medical Director-General, Navy Office, Melbourne, and the Director of Fleet Maintenance, Navy Office, Canberra. Periods of use of the compressor and associated filtration panel, date of previous renewal of filters, and type of lubricating oil used in the compressor, are to be advised when the above reports are forwarded.

4. ABR 155 will be amended in due course.

(512/74/362)

UNCLASSIFIED

**10/74—Electrical Stores—Introduction and Allowances of
5820-66-042-8255 Interconnecting Box**

1. Arrangements have been made to issue an allowance of 5820-66-042-8255 INTERCONNECTING BOX (microphone relay units) to the following HMA ships and establishments in the quantities indicated:

<i>Ship/Establishment</i>	<i>Allowance</i>
HMAS MELBOURNE	8
HMAS VAMPIRE	8
HMAS VENDETTA	8
HMAS STALWART	6
HMAS SUPPLY	4
HMAS DUCHESS	4
HMAS PARRAMATTA	4
HMAS DERWENT	4
HMAS STUART	4
HMAS YARRA	4
HMAS MORESBY	2
Oceanographic ship	2 (if 696 fitted as interim fit)
HMAS FLINDERS	1
Patrol Boats	1 each
MSC/MHC	1 each
HMAS ALBATROSS	8
GMGID	8
GMWD	6
WANSF	7
HMAS HUON	1
HMAS LEEUWIN	4
HMAS LONSDALE	3
HMAS MORETON	2
HMAS MELVILLE	2
HMAS TARANGAU	4
PBF Cairns	6
HMAS WATSON	6
HMAS WATERHEN	2
FMU	5

2. The above interconnecting boxes are required for use with AN/URC-58, AN/URT-23 (V) and AN/URT-24 HF 55B transmitters throughout the RAN.

3. Spare interconnecting boxes are not required to be carried by HMA ships, but have been included in shore establishment allowances.

4. Supply of the above item to complete to establishment has or will be effected by Superintending Electrical Store Officer, Sydney, without demand, as stocks become available.

(1/5820/117)

RESTRICTED

11/74—Ikara Tracking Aerial Radome—Painting

1. Tests have shown that Ikara Tracking Aerial Radomes can be painted satisfactorily providing the paint application is carefully controlled. It is approved for the Radomes to be painted by dockyards in the following manner.

Preparation

2. a. *Radomes not previously painted.* Lightly rub down the exterior of the Radome with 320 wet and dry to provide a key for the paint. The glass cloth laminate must not be exposed.
- b. *Radomes previously painted with EN 40 epoxy enamel.* Carefully rub down the existing paint with 320 wet and dry until the GRP surface is exposed. Isolated small thin remnants of the existing paint may remain, if damage to the GRP surface could be caused by complete removal.
- c. *Radomes previously painted with EN 36.* All old paint is to be removed by the use of a liquid paint remover. The only material recommended for removing paint from GRP surfaces is paint remover to Specification DEF 1443, Stock Number 0442-923-1717. There is a critical time during which the paint remover can be safely left on GRP and, if this is exceeded, serious damage will result. The following procedure is to be followed:
 - (1) the paint remover shall be applied only to the painted surfaces—extreme care must be taken to ensure that the paint remover is not applied to bare GRP surfaces;
 - (2) when the action of the paint remover has softened the paint, usually after ten minutes, the surfaces should be scraped with wooden scrapers—metallic scrapers must not be used on GRP surfaces;
 - (3) on no account should the paint remover be allowed to remain on the surface for more than twenty minutes. After this time the surfaces should be washed with clean, fresh water to remove all paint remover and softened paint. Care should be taken to avoid spreading the mixture over the bare GRP surfaces.
- d. Lightly rub down the surfaces with 320 wet and dry, dust off, wash with methylated spirits and allow to dry.

Painting

3. Apply two even coats of EN 36 paint (alkyd enamel in light grey). The paint is to be sprayed on as thinly as possibly consistent with a full coverage of the surfaces. A brush must not be used.

General

4. Ships and authorities concerned are to raise Dockyard Defect Items for the work to be carried out at the first opportunity.

5. After painting, an alignment check of the tracking aerial is to be carried out using the alignment mast, followed as soon as possible by range and bearing comparison checks against the Wilranel target or helicopter.

6. Radomes manufactured in the future will be pigmented grey during their construction and no painting will be required.

7. Navy Order 96/72 is hereby cancelled.

(740/252/878)

UNCLASSIFIED

12/74—Introduction of Safety Spectacles for Wear by Visicorder Operators

1. The following item has been introduced for wear by Ikara Visicorder Oscillograph Operators:

Class	Catalogue No	Description	Unit of Issue	Acctg Classn
4240	66-018-1644	SPECTACLES, SAFETY, SUPER SIGHT GUARD, 3 MM ARMORPLATE GLASS, GREEN, SHADE 2	Pr	P

2. The lamp used in the Model 1508 Visicorder Oscillograph is a high pressure mercury vapor lamp, which emits ultra-violet light. Under normal operating conditions the lamp is shielded to protect the operator. However, should it become necessary to be exposed to this light while making adjustments, etc, the safety spectacles are to be worn. **THE LAMP SHOULD NEVER BE VIEWED DIRECTLY.**

3. The spectacles will be issued without demand by the Superintending Victualling Store Officer, Royal Edward Victualling Yard, Jones Bay Road, Pyrmont, NSW 2009 (Depot Code 0124), as follows:

Addressee	Qty
HMAS STUART	1 Pr
HMAS DERWENT	1 Pr
HMAS SWAN	1 Pr
HMAS TORRENS	1 Pr
HMAS PARRAMATTA	1 Pr
HMAS YARRA	1 Pr
HMAS PERTH	1 Pr
HMAS HOBART	1 Pr
HMAS BRISBANE	1 Pr
Royal Australian Navy Ikara Training Establishment	1 Pr
Navy Inspection Contractors Area, Weapons Research Establishment, SALISBURY SA 5108	2 Pr

(740/53/193)

UNCLASSIFIED

13/74—Main Condensers—Tube and Tube Plate Plugs

1. A survey has been made of the types of tube and tube plate plugs supplied for use in the main condensers of HMA ships, and the following general conclusions have been reached:

Material. Brass plugs and cap ferrules may be used in conjunction with rolled naval brass tube plates, but will almost certainly corrode if used in conjunction with aluminium, brass or copper nickel tube plates. For these latter tube plates, therefore, copper nickel tube plugs and cap ferrules have been introduced.

Applicability of Components

2. The only ships in the RAN fitted with aluminium bronze tube plates are HMA ships SWAN and TORRENS and 4730-66-056-7591 COPPER NICKEL TUBE PLUGS and 4730-66-056-7490 COPPER NICKEL CAP FERRULES are now available on demand.

3. Onboard spare holdings of the new components for HMA ships SWAN and TORRENS are to be on the basis of being able to plug forty tubes per ship. The rolled naval brass tube plate plugs at present held as onboard spares are no longer required. These plugs, with the superseded rolled naval brass tube plugs and cap ferrules, are to be returned to Naval Stores for appropriate disposal upon receipt of the copper nickel tube plugs and cap ferrules.

(400/1/3122)

RESTRICTED

14/74—RAN Patrol Boats (PTFs)—Operation and Upkeep of Main Engines

1. The operation of Paxman 16YJCM Main Engines continues to give cause for concern. Annual Full Power Trials Reports and Engine Overhaul Strip Reports received at Navy Office indicate that engines are being run too 'cold', even at full power, with consequent excessive wear of liners, heavy sludging of lubricating oil and a serious reduction in the life of engines. Examination of Annual Full Power Trial reports also reveals that the pressure differential across the main lubricating oil filters is frequently excessively high and sometimes dangerously so. Due to the by-pass relief feature built into these filters, excessive pressure differential across them can result in lubricating oil being by-passed direct to the engine without being filtered.

2. The 'cold' running condition indicates that the engine fresh water circuit thermostats are probably badly out of adjustment and require re-setting in accordance with Article 0722 of Patrol Boat MEOs. (Pages 109-113 of the Precommissioning Training Course Handbook Vol 1 are also relevant.) When thermostats are properly adjusted, operating temperatures should then approximate to the typical figures quoted in the Precommissioning Course Handbook Vol 1 and Article 0605 of Patrol Boat MEOs. If, however, engine lubricating oil or fresh water temperatures do not respond and remain outside the range of the figures quoted in these handbooks, further investigation will be necessary to ensure that the flow of lubricating oil, fresh water and sea water is not being restricted either in the piping or lubricating oil coolers/heat exchangers. Any obstruction to the flow of sea water, fresh water or lubricating oil is to be removed since this would cause incorrect operating temperatures.

3. The pressure differential across the lubricating oil filter is not to be allowed to exceed 8 psi. If the differential pressure reaches this figure before the next 250 hourly planned maintenance routine is due, the filter is to be cleaned and the element renewed immediately, in accordance with the 250/3 routine in the Planned Maintenance Schedule. This procedure is essential as the by-pass relief feature, which operates in the pressure range of 10 to 14 psi, will by-pass dirty lubricating oil direct into the clean lubricating oil circuit to protect the filter casing and piping should an excessive pressure be reached.

4. In addition to the foregoing, the following instructions covering engine operation, and consequently patrol boat operation are to be observed. In order to conserve the reduced fuel allocation currently available, maintain maximum sea time capability and yet continue to operate main engines at near maximum continuous full

power it has been decided to introduce single engine running as the normal operational state for all patrol boats. The only permitted exceptions from single engine operations are:

- a. when entering or leaving harbour or manoeuvring in confined waters;
- b. operational requirements for fast passage; or
- c. emergency operation.

When the standby engine is started for any of the above conditions, except b., it is to be run for one hour's duration after being started, or in the case of entering harbour for one hour prior to the ETA, to ensure that operating temperature is reached and maintained at least for a short period of time. This is intended to reduce the high engine wear rate and lacquering of inlet and exhaust valves associated with frequent cold start/cold shutdown operations.

5. When operating under single engine running conditions a selected engine in each boat is to be designated the 'operating engine' whilst the other is to be designated the 'standby engine'. All single engine running is to be undertaken by the 'operating engine' which will accumulate running hours much more rapidly than the 'standby engine'. In general 'operating engines' and 'standby engines' are to be alternated after the 'operating engine' has accumulated 1,000 hours running time. This will enable 1,000 hourly and 2,000 hourly planned maintenance routines to be carried out after an engine is changed to 'standby' duties. However, where single engines changes have occurred prior to the introduction of the single engine operating policy, or subsequently due to a breakdown, there will be occasions when these instructions need to be modified to bring the ship back to an acceptable engine change routine. In such cases the Base Engineer Officer is to forward a proposal showing the suggested alternative method of engine operation to rectify the situation. The proposal is to be forwarded to COMAUSMINPABFOR for approval with copies to FOCAF and the Director of Fleet Maintenance, Navy Office. This information is required to allow forward planning for and timely updating of planned engine change programmes.

6. The following detailed operating conditions are to be observed:

- a. *Economical Speed*: Single engine operation between 950 and 1,050 RPM.
- b. *Maximum Speed*:

- (1) Single engine operation—1,050 RPM.
- (2) Two engine operation—
1,250 Maximum Continuous Rating.
1,350 Pursuit Rating for four hours maximum.

- c. *Slow Speed Running*: This is to be taken as 900 RPM and below for both single and two engine operation. The maximum time to be permitted at these revolutions, and below, is five hours for single engine operation after which a one hour period is to be spent at 1,050 RPM before resuming low speed running. For shorter periods at slow speeds a suitable proportion of one hour is to be spent at these conditions. Two engine running at low RPM is to be restricted to short periods while manoeuvring, with a similar suitable proportion of one hour at 1,250 RPM on both engines. The use of slow speed running is only to be undertaken if operational requirements dictate that this is necessary.

7. The attention of Commanding Officers is directed to these instructions and operational limitations.

(1234/51/372)

UNCLASSIFIED

15/74—Replacement Allowances 1973-74—Officers Mess Traps

1. Consequent on the revision of prices to be charged for mess gear, details of which have been promulgated, the authorised amounts to which free replacement of consumable items of officers mess traps may be made for the financial year 1973-74 are as follows:

Replacement Allowance per Year

	In Stationary Ships and Establishments	In Sea-going Ships
	\$	\$
<i>Mess (Commanding Officers)</i>		
Flag Officer	—	611.72
Commodore or Captain	303.48	364.16
Flag Captain	—	188.12
Commander in command of a sea-going ship	—	187.20
<i>Wardroom Mess</i>		
Mess of one officer	45.48	54.56
Mess of two officers	84.52	99.32
For every officer in excess of two ..	21.48	25.76
<i>RANC Mess</i>		
Mess of one officer	36.08	—
For every officer in excess of one ..	18.08	—

2. All consumable stores drawn against the above allowances are to be valued at the prices shown in the 'Official Memorandum—Fixed Issuing Price List for Mess Gear of 1 September 1973'.

3. Replacement allowances are to be calculated in accordance with the Manual of Victualling Stores (1960) ABR 93, Article 2214.

4. Navy Order 304/72 is hereby cancelled.

(1/7360/2)

(Navy Order 304/72)

UNCLASSIFIED

16/74—Replacement Allowances 1973-74—Sailors Mess Utensils

1. Consequent on the revision of prices to be charged for mess gear, details of which have been promulgated, free replacement of consumable items of mess utensils will be allowed for Chief Petty Officers, Petty Officers and other sailors messes in HMA ships and establishments during the financial year 1973-74 up to the following amounts:

	\$
Warrant Officers, Chief Petty Officers and Petty Officers ..	6.36 per head
Other sailors	4.16 per head
WRANS when messes separately	6.36 per head
Apprentices and Junior Recruits	4.16 per head

2. All consumable stores drawn against the above allowances are to be valued at the prices shown in the 'Official Memorandum—Fixed Issuing Price List for Mess Gear of 1 September 1973'.

3. Replacement allowances are to be calculated in accordance with the Manual of Victualling Stores (1960) ABR 93, Article 2214.

4. Navy Order 305/72 is hereby cancelled.

(1/7360/2)

(Navy Order 305/72)

UNCLASSIFIED

17/74—Uniform—Introduction of Polyester/Viscose Long Sleeved Shirts to Replace Poplin Cricket Shirts

1. The Naval Board have approved the introduction of a white long-sleeved shirt, of polyester viscose, which will be available for issue as follows:

- a. to Cadet Midshipmen, as part of initial kit in replacement of cricket shirts;
- b. to Sick Berth Attendants and Dental Assistants, as personal loan clothing for wear on duty; and
- c. for general repayment issue.

2. The shirt is suitable for wear by officers with No 12 dress, with metal collar badges, and may if desired be adopted for wear as a long-sleeved summer shirt.

3. Stocks of SHIRTS, TROPICAL, LONG-SLEEVE, OFFICER (31031-8) will not be replenished; stocks of SHIRTS, CRICKET (22611-24) will be reserved for issue to Senior Cook Sailors. The introduction of a more suitable upper garment for wear by these sailors is being investigated.

4. Stocks of the new items will be available shortly on demand from Royal Edward Victualling Yard, Sydney. Details of stock numbers and sizes are appended:

Class	Catalogue No	Description
8455	66-051-8308	SHIRT, MAN'S, SUMMER, WHITE, LONG SLEEVES, SIZE 13½
8455	66-051-8309	SHIRT, MAN'S, SUMMER, WHITE, LONG SLEEVES, SIZE 14
8455	66-051-8310	SHIRT, MAN'S, SUMMER, WHITE, LONG SLEEVES, SIZE 14½
8455	66-051-8311	SHIRT, MAN'S, SUMMER, WHITE, LONG SLEEVES, SIZE 15
8455	66-051-8312	SHIRT, MAN'S, SUMMER, WHITE, LONG SLEEVES, SIZE 15½
8455	66-051-8313	SHIRT, MAN'S, SUMMER, WHITE, LONG SLEEVES, SIZE 16
8455	66-051-8314	SHIRT, MAN'S, SUMMER, WHITE, LONG SLEEVES, SIZE 16½
8455	66-051-8315	SHIRT, MAN'S, SUMMER, WHITE, LONG SLEEVES, SIZE 17

5. The issuing price is \$5.86 each.

6. Attention is drawn to the need for care in laundering garments made of polyester/viscose materials. The garments are not to be boiled or wrung, but are to be drip dried and, if necessary, pressed lightly with a warm iron.

7. Scales of clothing authorised for wear by Officers, Cadet Midshipmen, Sick Berth Attendants, Dental Assistants and Senior Cook Sailors will be adjusted. ABR 81, RAN Uniform Instructions, will be amended.

(917/96/14)

UNCLASSIFIED

18/74—Warrant Officers—Uniform and Insignia—Changes

1. The following variations to the insignia worn by Warrant Officers have been approved:

- a. cuff buttons to be removed from uniform coats; and
- b. the rank badges worn on both sleeves to be lowered (approximately two inches) to cover the position formerly occupied by the centre button on each cuff.

2. Warrant Officers may make changes in accordance with Paragraph 1 now, or at any time in the course of uniform replacement before 1 July 1974. Cuff buttons will not be permitted after 1 July 1974.

3. It is appreciated that an immediate change may involve some expenditure in the invisible mending of the cuffs of blue uniform coats and the replacement of white coats. Treasury approval is being sought to the payment of a gratuity for the repair of blue coats and the gratuitous issue of white coats under certain conditions, eg, length of service remaining, the condition of uniform coats, etc.

4. Approval is also being sought for a similar gratuity/gratuitous issue to be authorised for Chief Petty Officers promoted to Warrant Officer before 31 December 1975.

5. Any Warrant Officer incurring expense in accordance with this order is advised to retain receipts to support any eventual claim for recompense.

6. Petty Officers promoted to Chief Petty Officer, and Chief Petty Officers who replace uniform coats are advised to use shankless cuff buttons, which will soon be available through Service sources, to avoid damage to the cuffs of uniform coats, as any gratuity finally approved will only apply for a limited period.

7. Warrant Officers in technical branches are authorised to draw loan white overalls.

8. ABR 81, RAN Uniform Instructions, will be amended and any gratuity authorised will be incorporated in ABR 5020, Naval Pay Instructions.

9. The outcome of consideration of gratuities payable or gratuitous issues authorised will be advised as early as practicable.

(930/51/230)

UNCLASSIFIED

18/74—RAN Catalogue of Uniform (ABR 5047)—Reproduction in Miniatured Form

1. Navy Order 218/74 is to be amended as follows. Delete part Annex D (pages 14 and 15) and part Annex E (page 20) and replace with new part Annex D and new part Annex E therein.

2. Items changed by this amendment are indicated on the new Annex D by an asterisk.

(Navy Order 218/74)

UNCLASSIFIED

UNCLASSIFIED

18/74—Warrant Officers—Uniform and Insignia—Changes

1. The following variations in the insignia of Warrant Officers have been approved:

- a. Collar buttons to be removed from uniform coats and the collar buttons to be replaced by the rank badge worn on both sleeves to be forward (approximately two inches) to cover the position formerly occupied by the collar button on each side.

2. Warrant Officers may make changes in accordance with Paragraph 1 now or at any time in the course of uniform replacement before 1 July 1974. Collar buttons will be removed from uniform coats by 1 July 1974.

3. It is appreciated that an immediate change may involve some expenditure in the re-issuing of the collars of their uniform coats and the replacement of some rank insignia.

4. The condition of uniform coats and the condition of uniform coats to be replaced will be determined by the condition of uniform coats to be replaced.

5. The condition of uniform coats to be replaced will be determined by the condition of uniform coats to be replaced.

6. The condition of uniform coats to be replaced will be determined by the condition of uniform coats to be replaced.

7. The condition of uniform coats to be replaced will be determined by the condition of uniform coats to be replaced.

8. The condition of uniform coats to be replaced will be determined by the condition of uniform coats to be replaced.

9. The condition of uniform coats to be replaced will be determined by the condition of uniform coats to be replaced.

10. The condition of uniform coats to be replaced will be determined by the condition of uniform coats to be replaced.

11. The condition of uniform coats to be replaced will be determined by the condition of uniform coats to be replaced.

12. The condition of uniform coats to be replaced will be determined by the condition of uniform coats to be replaced.

13. The condition of uniform coats to be replaced will be determined by the condition of uniform coats to be replaced.

14. The condition of uniform coats to be replaced will be determined by the condition of uniform coats to be replaced.

15. The condition of uniform coats to be replaced will be determined by the condition of uniform coats to be replaced.

16. The condition of uniform coats to be replaced will be determined by the condition of uniform coats to be replaced.

17. The condition of uniform coats to be replaced will be determined by the condition of uniform coats to be replaced.

AMENDMENTS

RESTRICTED

19/74—Electrical Explosive Hazards—Weapons and Pyrotechnics

1. Navy Order 282/73 is to be amended as follows:

a. Annex A, Part 1

- (1) Paragraph 11—change Mark 19 to Mark 8;
- (2) add Paragraph 12—Cartridges, Impulse, Mark 13 Mod 0—when fitted to Aero 15D Bomb Rack;
- (3) add Paragraph 13—Cartridges, Impulse, Mark 19 Mod 0—when fitted to Aero 15D Bomb Rack;
- (4) Paragraph 23—change No 1 to No 3;
- (5) add Paragraph 24—Rocket Motor (JATO) Mark 34 Mod 1 (PTA KD2R-5).

b. Annex A, Part 2

- (1) Paragraph 3c—delete 'the RADHAZ barrier is installed and either'
- (2) Paragraph 3d—after caplug insert (shipping plug);
- (3) Paragraph 3f—delete in its entirety.

2. ACNB message 080615Z October 73 refers. (700/51/380)

(Navy Order 282/73)

UNCLASSIFIED

20/74—Organisation of the Office of the Chief of Naval Personnel

Paragraph 34 of Annex A to Navy Order 418/70, inserted vide Navy Order 389/71, should be amended by the addition of the following sentence:

'He is not empowered to deal with individual problems or complaints.'

(302/2/141)

(Navy Orders 418/70 and 389/71)

UNCLASSIFIED

21/74—RAN Catalogue of Materiel (ABR 5047)—Reproduction in Miniaturised Format

1. Navy Order 239/73 is to be amended as follows: Delete part Annex D (pages 14 and 15) and part Annex G (page 20) and replace with new part Annex D and new part Annex G herewith.

2. Items changed by this amendment are indicated on the new Annex by an asterisk.

(Navy Order 239/73)

ANNEX D—continued

Item	Class	Catalogue Number	Description	Unit of Issue	Accounting Classification	Manufacturers Data	
						Mfr Code	Coded Part No
Spares ..	6730	66-061-5217	COVER, GRID, GLASS	EA	C	05037	1039219-001
Spares ..	6240	66-054-4558	LAMP, INCANDESCENT	EA	C	24446	EJN
Spares ..	5920	00-681-0918	FUSE, CARTRIDGE	EA	N	05037 81349	6623607-001 MILFIS160-02 TYPE FO2B125V 3A
Spares ..	5920	00-280-5042	FUSE, CARTRIDGE	EA	N	81349	MILFIS160C TYPE FO3G5ROOB
Accessories ..	6750	00-449-3522	CHEMICAL KIT, PHOTOGRAPHIC, BLACK AND WHITE	KT	N	05037	8215809-001
Accessories ..	6750	66-061-5218	PAPER, COPYING, DIRECT ELECTRO- STATIC PROCESS	BX	C	Z1245	OZAFAX
Accessories ..	7930	66-061-5219	GLASS CLEANER	BT	N	Z2720	WINDEX
Accessories ..	6640	66-037-3961	PAPER, LENS	PK	N	Z2511	CTS34
Accessories ..	8020	66-010-8799	BRUSH, ARTIST'S	EA	N	K0149	14B LARGE
Accessories ..	6730	66-058-4705	INTENSIFIER, PHOTOGRAPHIC ..	PK	N	05037	8315402-001
3. National Cash Register Model 456-248							
Equipment ..	6730	66-056-4081	VIEWER, STILL PICTURE	EA	P	Z0159	456-248
Spares ..	6240	66-056-4086	LAMP, INCANDESCENT	EA	C	08807	FDT
*Spares ..	6730	66-062-0657	PLATE TOP	EA	C	Z0159	605-0001680
*Spares ..	6730	66-062-0659	CARRIER, GLASS	EA	C	Z0159	605-0001649
*Spares ..	5920	66-017-7513	FUSE CARTRIDGE	EA	C	Z0517 K0195	L1055-2 BS2950
Accessories ..	6640	66-037-3961	PAPER, LENS	PK	N	Z2511	CTS34
Accessories ..	8020	66-010-8799	BRUSH, ARTISTS	EA	N	K0149	14B LARGE
Accessories ..	7930	66-061-5219	GLASS, CLEANER	BT	N	Z2720	WINDEX

UNCLASSIFIED

22/74—Ships Sporting Colours

Navy Order 168/72 is to be amended as follows:

Insert Colours for PBF Cairns:

Gold with red trimmings and Blue Marlin on left breast.

(138/6/31)

(Navy Order 168/72)

85/11

(402) (1/120)

(1000) (1/120)

Code	Description	Material	Quantity	Dimensions				Notes
				Length	Width	Depth	Weight	
0100-00-010-0100	RED	0001	1	1	1	1	1	
0100-00-010-0101	RED	0001	1	1	1	1	1	
0100-00-010-0102	RED	0001	1	1	1	1	1	
0100-00-010-0103	RED	0001	1	1	1	1	1	
0100-00-010-0104	RED	0001	1	1	1	1	1	
0100-00-010-0105	RED	0001	1	1	1	1	1	
0100-00-010-0106	RED	0001	1	1	1	1	1	
0100-00-010-0107	RED	0001	1	1	1	1	1	
0100-00-010-0108	RED	0001	1	1	1	1	1	
0100-00-010-0109	RED	0001	1	1	1	1	1	
0100-00-010-0110	RED	0001	1	1	1	1	1	
0100-00-010-0111	RED	0001	1	1	1	1	1	
0100-00-010-0112	RED	0001	1	1	1	1	1	
0100-00-010-0113	RED	0001	1	1	1	1	1	
0100-00-010-0114	RED	0001	1	1	1	1	1	
0100-00-010-0115	RED	0001	1	1	1	1	1	
0100-00-010-0116	RED	0001	1	1	1	1	1	
0100-00-010-0117	RED	0001	1	1	1	1	1	
0100-00-010-0118	RED	0001	1	1	1	1	1	
0100-00-010-0119	RED	0001	1	1	1	1	1	
0100-00-010-0120	RED	0001	1	1	1	1	1	
0100-00-010-0121	RED	0001	1	1	1	1	1	
0100-00-010-0122	RED	0001	1	1	1	1	1	
0100-00-010-0123	RED	0001	1	1	1	1	1	
0100-00-010-0124	RED	0001	1	1	1	1	1	
0100-00-010-0125	RED	0001	1	1	1	1	1	
0100-00-010-0126	RED	0001	1	1	1	1	1	
0100-00-010-0127	RED	0001	1	1	1	1	1	
0100-00-010-0128	RED	0001	1	1	1	1	1	
0100-00-010-0129	RED	0001	1	1	1	1	1	
0100-00-010-0130	RED	0001	1	1	1	1	1	
0100-00-010-0131	RED	0001	1	1	1	1	1	
0100-00-010-0132	RED	0001	1	1	1	1	1	
0100-00-010-0133	RED	0001	1	1	1	1	1	
0100-00-010-0134	RED	0001	1	1	1	1	1	
0100-00-010-0135	RED	0001	1	1	1	1	1	
0100-00-010-0136	RED	0001	1	1	1	1	1	
0100-00-010-0137	RED	0001	1	1	1	1	1	
0100-00-010-0138	RED	0001	1	1	1	1	1	
0100-00-010-0139	RED	0001	1	1	1	1	1	
0100-00-010-0140	RED	0001	1	1	1	1	1	
0100-00-010-0141	RED	0001	1	1	1	1	1	
0100-00-010-0142	RED	0001	1	1	1	1	1	
0100-00-010-0143	RED	0001	1	1	1	1	1	
0100-00-010-0144	RED	0001	1	1	1	1	1	
0100-00-010-0145	RED	0001	1	1	1	1	1	
0100-00-010-0146	RED	0001	1	1	1	1	1	
0100-00-010-0147	RED	0001	1	1	1	1	1	
0100-00-010-0148	RED	0001	1	1	1	1	1	
0100-00-010-0149	RED	0001	1	1	1	1	1	
0100-00-010-0150	RED	0001	1	1	1	1	1	
0100-00-010-0151	RED	0001	1	1	1	1	1	
0100-00-010-0152	RED	0001	1	1	1	1	1	
0100-00-010-0153	RED	0001	1	1	1	1	1	
0100-00-010-0154	RED	0001	1	1	1	1	1	
0100-00-010-0155	RED	0001	1	1	1	1	1	
0100-00-010-0156	RED	0001	1	1	1	1	1	
0100-00-010-0157	RED	0001	1	1	1	1	1	
0100-00-010-0158	RED	0001	1	1	1	1	1	
0100-00-010-0159	RED	0001	1	1	1	1	1	
0100-00-010-0160	RED	0001	1	1	1	1	1	
0100-00-010-0161	RED	0001	1	1	1	1	1	
0100-00-010-0162	RED	0001	1	1	1	1	1	
0100-00-010-0163	RED	0001	1	1	1	1	1	
0100-00-010-0164	RED	0001	1	1	1	1	1	
0100-00-010-0165	RED	0001	1	1	1	1	1	
0100-00-010-0166	RED	0001	1	1	1	1	1	
0100-00-010-0167	RED	0001	1	1	1	1	1	
0100-00-010-0168	RED	0001	1	1	1	1	1	
0100-00-010-0169	RED	0001	1	1	1	1	1	
0100-00-010-0170	RED	0001	1	1	1	1	1	
0100-00-010-0171	RED	0001	1	1	1	1	1	
0100-00-010-0172	RED	0001	1	1	1	1	1	
0100-00-010-0173	RED	0001	1	1	1	1	1	
0100-00-010-0174	RED	0001	1	1	1	1	1	
0100-00-010-0175	RED	0001	1	1	1	1	1	
0100-00-010-0176	RED	0001	1	1	1	1	1	
0100-00-010-0177	RED	0001	1	1	1	1	1	
0100-00-010-0178	RED	0001	1	1	1	1	1	
0100-00-010-0179	RED	0001	1	1	1	1	1	
0100-00-010-0180	RED	0001	1	1	1	1	1	
0100-00-010-0181	RED	0001	1	1	1	1	1	
0100-00-010-0182	RED	0001	1	1	1	1	1	
0100-00-010-0183	RED	0001	1	1	1	1	1	
0100-00-010-0184	RED	0001	1	1	1	1	1	
0100-00-010-0185	RED	0001	1	1	1	1	1	
0100-00-010-0186	RED	0001	1	1	1	1	1	
0100-00-010-0187	RED	0001	1	1	1	1	1	
0100-00-010-0188	RED	0001	1	1	1	1	1	
0100-00-010-0189	RED	0001	1	1	1	1	1	
0100-00-010-0190	RED	0001	1	1	1	1	1	
0100-00-010-0191	RED	0001	1	1	1	1	1	
0100-00-010-0192	RED	0001	1	1	1	1	1	
0100-00-010-0193	RED	0001	1	1	1	1	1	
0100-00-010-0194	RED	0001	1	1	1	1	1	
0100-00-010-0195	RED	0001	1	1	1	1	1	
0100-00-010-0196	RED	0001	1	1	1	1	1	
0100-00-010-0197	RED	0001	1	1	1	1	1	
0100-00-010-0198	RED	0001	1	1	1	1	1	
0100-00-010-0199	RED	0001	1	1	1	1	1	
0100-00-010-0200	RED	0001	1	1	1	1	1	

UNCLASSIFIED

RESTRICTED

1174

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UNCLASSIFIED

22,74—Ship's Sporting Colours

Navy Order 168/72 is to be amended as follows:

Party Colours for PRC Cadets:

Gold with red trimming and Blue Medal on left breast.

(138/72)

(Navy Order 168/72)

R. D. ATKINSON, Commercial Printer, Sydney

204672

RESTRICTED

RESTRICTED

ANO 23/74



AUSTRALIAN NAVY ORDER

Navy Office, Canberra,
28 January 1974.

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

RESTRICTED



AUSTRALIAN NAVY ORDER

NAVY ORDER NO. 23/74
ISSUED 15 FEBRUARY 1974

THIS ORDER IS A MODIFICATION OF THE
NAVY ORDER NO. 23/73
ISSUED 15 FEBRUARY 1973

[Handwritten signature]

THE FOLLOWING IS A LIST OF MODIFICATION INSTRUCTIONS
ISSUED FROM THIS OFFICE FOR THE
PERIOD 1 FEBRUARY 1973 TO 31 JANUARY 1974

FOR OUTSIDE USE ONLY

RESTRICTED

Section 4

EQUIPMENT, STORES AND SERVICING

RESTRICTED

23/74—Modification Instructions (TM188)

1. The following is a list of Modification Instructions issued from this Office for the period 1 February 1973 to 31 January 1974.
 2. These and establishments with their own or other systems of Modification Instructions will include the changes in Field Modifications—Navy (FMN) Category.
3. Lists attached:
- A—Addresses and addresses (Section 4)
 - B—Modifications (Section 4)
 - C—Field Changes (Section 4)
 - D—Signatures (Section 4)

CONTENTS

<i>No</i>	<i>Title</i>
	SECTION 4—EQUIPMENT, STORES AND SERVICING
23/74	Modification Instructions (TM188).

ANNEX A—continued

23/74

ESTABLISHMENTS, ETC.

LEGEND I = Information
A = Action

Modification No	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	TARANGAU	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	HYDROGRAPHER	SNO CAIRNS	FLINDERS								
	A/0212/71										I										I	I	I	I	I	I	I																				
A/0334/70																					I	I	I	I	I	I																					
A/0529/72																						I	I	I	I	I	I																				
A/0507/72																						I	I	I	I	I	I																				
A/0380/72																						I	I	I	I	I	I																				
A/0681/73																						I	I	I	I	I	I																				
A/0354/71									I												I	I	I	I	I	I																					
A/0678/73					A																	I	I	I	I	I	I																				
A/0025/70																						I	I	I	I	I	I																				
A/0348/71									I												I	I	I	I	I	I																					
A/0437/72																						I	I	I	I	I	I																				

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ANNEX A—continued

20470/73-3

ESTABLISHMENTS, ETC.

LEGEND I = Information
A = Action

Modification No	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	TARANGAU	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	HYDROGRAPHER	SNO CAIRNS	FLINDERS										
	A/0535/72																						I	I	I	I	I	I																					
A/0566/72																						I	I	I	I	I	I																						
A/0679/73																						I	I	I	I	I	I																						
A/0418/72																						I	I	I	I	I	I																						
A/0427/72																						I	I	I	I	I	I																						
A/0519/72																						I	I	I	I	I	I																						
A/0325/70																						I		A	A	I	I	I																					
A/0327/70																						I		A	A	I	I	I																					
A/0690/73																						I	I	I	I	I	I																						

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23/74

LEGEND I = Information
A = Action

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	PALUMA	CURLEW	SNIPE	GULL	HAWK	TEAL	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	ORION	OTAMA	TRV's
A/0574				I											A	A	A																				
A/0618/73	A	A			A	A	A	A	A	A	A				A	A	A	A																			
A/0660/73																												A									
A/0356/71				I											A																						
A/0584/73			A	I																																	
A/0503/72				I	A	A	A	A	A	A	A				A	A																					
A/0406/72												A	A	A																							
A/0485/72				I	A	A					A	A	A	A	A																						
A/0449/72				I						A	A																										
A/0635/73			A	I																																	
A/0328/73															A	A																					

LEGEND I = Information
A = Action

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	PALUMA	CURLEW	SNIPE	GULL	HAWK	TEAL	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	ORION	OTAMA	TRV's		
A/0658/73																																							
A/0659/73																																							
A/0617/72																	A																						
A/0374/73																																							
A/0656/73																																							
A/0657/73																																							
A/0682/73					I																																		
A/0652/73					I	A																																	
A/0445/72					I	A																																	
A/0502/72					I	A																																	
A/0357/72					I	A																																	

SHIPS

LEGEND I = Information
A = Action

Modification No	MELBOURNE	SUPPLY	STALWART (FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	PALUMA	CURLEW	SNIPE	GULL	HAWK	TEAL	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	ORION	OTAMA	TRVs
A/0743/73			A																																	
A/0416/72	A																																			
A/0572/72		A																																		
A/0424/72																																				
A/0368/70			A	A																																
A/0745/73																																				
A/0587/72	A		I																																	
A/0246/71			I	A	A	A	A																													
A/0284/71			A	I																																
A/0512/72	A																																			
A/0536/72	A																																			

SHIPS

LEGEND I = Information
A = Action

Modification No	MELBOURNE	SUPPLY	STALWART (FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	PALUMA	CURLEW	SNIPE	GULL	HAWK	TEAL	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	ORION	OTAMA	TRVs
A/0537/72	A																																			
A/0500/72			I	A																																
A/0358/71	A																																			
A/0409/72			A	I																																
A/0008/70 (Part 1)	A	A	A	I	A	A	A	A						A	A	A		A	A	A		A	A	A	A	A										
A/0474/72				A																																
A/0131/70			I																			A	A	A	A	A	A									
A/0321/71				A																																
A/0524/72				A																																
A/0314/71	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A																	
A/0562/72				A																																

ANNEX A—continued

ESTABLISHMENTS, ETC.

LEGEND I = Information
A = Action

Modification No	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	TARANGAU	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGWIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	LCHs	SEAL & PORPOISE	HYDROGRAPHER							
A/0522/72																				I	I	I	I	I	I	I																			
A/0743/73																				I	I	I	I	I	I	I																			
A/0416/72																				I	I	I	I	I	I	I																			
A/0572/72																				I	I	I	I	I	I	I																			
A/0424/72																	I			I	I	I	I	I	I	I																A			
A/0368/70																				I	I	I	I	I	I	I																			
A/0745/73							A													I	I	I	I	I	I	I																	A		
A/0587/72																				I	I	I	I	I	I	I																			
A/0246/71																				I	I	I	I	I	I	I																			
A/0512/72																				I		A	I	I	I	I	I																		
A/0536/72																				I		A	I	I	I	I	I																		

ANNEX A—continued

ESTABLISHMENTS, ETC.

LEGEND I = Information
A = Action

Modification No	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	TARANGAU	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGWIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	LCHs	SEAL & PORPOISE	HYDROGRAPHER								
A/0537/72																				I		A	I	I	I	I	I																			
A/0500/72																				I	I	I	I	I	I	I																				
A/0284/71																			I	I	I	I	I	I	I	I																				
A/0358/71																				I		A	I	I	I	I	I																			
A/0409/72																				I	I	I	I	I	I	I																				
A/0008/70 (Part 1)																				I	I	I	I	I	I	I	I																			
A/0474/72																				I	I	I	I	I	I	I																				
A/0131/70																				I	I	I	I	I	I	I																				
A/0321/71																				I	I	I	I	I	I	I																				
A/0524/72																				I	I	I	I	I	I	I																				
A/0314/71																				I	I	I	I	I	I	I																				

ANNEX A—continued

Modification No	SHIPS		LEGEND	
	I = Information	A = Action	I = Information	A = Action
	MELBOURNE			
	SUPPLY			
	STALWART			
	STALWART (FMU)	A		
	MORSBY			
	PARRAMATTA			
	YARRA			
	DERWENT			
	STUART			
	SWAN			
	TORRENS			
	BRISBANE			
	PERTH			
	HOBART			
	VAMPIRE			
	VENDETTA			
	DUCHESS			
	DIAMANTINA			
	KIMBLA			
	BASS			
	BANKS			
	PALUMA			
	CURLEW			
	SNIFE			
	GULL			
	HAWK			
	TEAL			
	IBIS			
	PATROLBOATS			
	FLINDERS			
	OXLEY			
	OTWAY			
	OVENS			
	ONSLOW			
	ORION			
	OTAMA			
	TRYS			
A/0644/73 ..				
A/0429/72 ..				
A/0607/72 ..				

ANNEX B

LEGEND I = Information
A = Action

SHIPS

Modification No	SHIPS		LEGEND	
	I = Information	A = Action	I = Information	A = Action
	MELBOURNE			
	SUPPLY			
	STALWART	A		
	STALWART (FMU)	I		
	MORSBY			
	PARRAMATTA			
	YARRA			
	DERWENT			
	STUART			
	SWAN			
	TORRENS			
	BRISBANE			
	PERTH			
	HOBART			
	VAMPIRE			
	VENDETTA			
	DUCHESS			
	DIAMANTINA			
	KIMBLA			
	BASS			
	BANKS			
	PALUMA			
	CURLEW			
	SNIFE			
	GULL			
	HAWK			
	TEAL			
	IBIS			
	PATROLBOATS			
	FLINDERS			
	OXLEY			
	OTWAY			
	OVENS			
	ONSLOW			
	ORION			
	OTAMA			
	TRYS			
M/9A00/004 ..				
M/BE00/002 ..				
M/JUA/030 ..				
M/JUA/031 ..				
M/ZH00/A01 ..				
M/975/A02 ..				
M/CUJ/A01 ..				
M/193/020 ..				
M/JUA/A01 ..				
M/182/A01 ..				
M/JYA/091 ..				

SHIPS

LEGEND I = Information
A = Action

Modification No	MELBOURNE	SUPPLY	STALWART	STALWART (FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	PALUMA	CURLEW	SNIPE	GULL	HAWK	TEAL	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	ORION	OTAMA	TRVs	
	M/667-668/085				I				A	A	A	A																										
M/QH00/057				I		A	A	A	A	A	A					A	A																					
M/QH00/058				I		A	A	A	A	A	A					A	A																					
M/QH00/059				I		A	A	A	A	A	A					A	A																					
M/QH00/060				I		A	A	A	A	A	A					A	A																					
M/QH00/061				I		A	A	A	A	A	A					A	A																					
M/BID-610/022																																						
M/UA8-9/053				I				A	A	A	A																											
M/UA8-9/054				I				A	A	A	A																											
M/QH00/017				I		A	A	A	A	A	A					A	A																					
M/QH00/030				I		A	A	A	A	A	A					A	A																					

SHIPS

LEGEND I = Information
A = Action

Modification No	MELBOURNE	SUPPLY	STALWART	STALWART (FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	PALUMA	CURLEW	SNIPE	GULL	HAWK	TEAL	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	ORION	OTAMA	TRVs		
	M/QH00/043				I		A	A	A	A	A	A					A	A																					
M/CG00/001			A	I																																			
M/AS1072/001				I		A	A	A	A	A	A																												
M/193/A01																								A	A														
M/YH00/001				I							A	A																											
M/JYA/101				I		A	A	A	A		A					A																							
M/193/021																							A	A															
M/177/059				I		A	A	A	A	A	A																												
M/5C00/004																																							
M/EF00/003			A	I																																			
M/QH00/008				I		A	A	A	A	A	A					A	A																						

ANNEX B—continued

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SHIPS

LEGEND I = Information
A = Action

Modification No	MELBOURNE	SUPPLY	STALWART	STALWART (FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	PALUMA	CURLEW	SNIPE	GULL	HAWK	TEAL	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	ORION	OTAMA	TRIS			
M/HO00/001	A			I																																				
M/DA00/004					A																								A											
M/193/014																								A	A															
M/AP00/001				A		A	A	A	A																															
M/CT00/001	A		A	A							A	A																												
M/JYA/100						A	A	A	A	A	A				A	A																								
M/UA8-9/051								A	A	A	A																													
M/193/025																							A	A																
M/CT471/011	A		A		A	A	A	A	A	A		A	A					A	A			A	A																	
M/193/023																							A	A																
M/JN00/001																												A												

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ANNEX B—continued

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SHIPS

LEGEND I = Information
A = Action

Modification No	MELBOURNE	SUPPLY	STALWART	STALWART (FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	PALUMA	CURLEW	SNIPE	GULL	HAWK	TEAL	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	ORION	OTAMA	TRIS			
M/QH00/006				I		A	A	A	A	A	A				A	A																								
M/696/039																			A			A	A	A	A	A	A	A	A		A	A	A	A						
M/JUA/028	A			I							A	A			A	A															A	A	A	A						
M/QH00/015				I		A	A	A	A	A	A				A	A																								
M/696/040																			A			A	A	A	A	A	A	A	A		A	A	A	A						
M/193/015																							A	A																
M/UA8-9/046				I				A	A	A	A																													
M/BID610/028																													A											
M/9G00/A001				I		A	A	A	A	A	A				A	A																								
M/JUA/022	A										A	A			A	A																								
M/193/029																							A	A																

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ANNEX B—continued

SHIPS

LEGEND I = Information
A = Action

Modification No	MELBOURNE	SUPPLY	STALWART	STALWART (FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	PALUMA	CURLEW	SNIPE	GULL	HAWK	TEAL	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	ORION	OTAMA	TRV's
M/WSA-/A02				I		A	A	A	A	A	A																										
M/193/031																							A	A													
M/KW-26/009																																					
M/QY00/A003				I								A	A	A																							
M/182/006	A	A	A	I		A	A	A	A	A	A				A	A																					
M/182/010				I		A	A	A	A	A	A																										
M/UA8-9/056				I				A	A	A	A																										
M/UA8-9/057				I				A	A	A	A																										
M/BID-610/020																																					
M/GH00/001				I						A	A																										
M/DA00/002				I						A	A																										

ANNEX B—continued

SHIPS

LEGEND I = Information
A = Action

Modification No	MELBOURNE	SUPPLY	STALWART	STALWART (FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	PALUMA	CURLEW	SNIPE	GULL	HAWK	TEAL	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	ORION	OTAMA	TRV's	
M/QA00/005				I		A	A	A	A		A						A																					
M/CF00/001											A	A																										
M/SC00/001																							A	A														
M/JUA/029	A		I	A	A	A	A			A	A				A	A															A	A	A	A				
M/JUA/016	A		I							A	A				A	A																						
M/177/056				I						A	A																											
M/JYA/A01				I						A	A				A	A																						
M/193/017																							A	A														
M/QE00/023				I																																		
M/DA00/A002										A	A																											
M/193/004																																						
M/AS1072/003				I	I	A	I	I	I	A	A																											

ANNEX B—continued

SHIPS

LEGEND I = Information
A = Action

Modification No	MELBOURNE	SUPPLY	STALWART	STALWART (FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	PALUMA	CURLEW	SNIPE	GULL	HAWK	TEAL	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	ORION	OTAMA	TRV's	
M/BE00/001 ..																												A										
M/SR-421/001 ..	A			A		A	A	A	A	A					A	A																						
M/QY00/A003 ..				I								A	A	A																								
M/QH00/011 ..				I		A	A	A	A	A	A					A	A																					
M/QH00/016 ..				I		A	A	A	A	A	A					A	A																					
M/QH00/015 (Amend) ..				I		A	A	A	A	A	A					A	A																					
M/QH00/023 ..				I		A	A	A	A	A	A					A	A																					
M/QH00/024 ..				I		A	A	A	A	A	A					A	A																					
M/QH00/025 ..				I		A	A	A	A	A	A					A	A																					
M/QH00/026 ..				I		A	A	A	A	A	A					A	A																					
M/QH00/027 ..				I		A	A	A	A	A	A					A	A																					

ANNEX B—continued

SHIPS

LEGEND I = Information
A = Action

Modification No	MELBOURNE	SUPPLY	STALWART	STALWART (FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	PALUMA	CURLEW	SNIPE	GULL	HAWK	TEAL	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	ORION	OTAMA	TRV's	
M/QH00/028 ..				I		A	A	A	A	A	A				A	A																						
M/QH00/029 ..				I		A	A	A	A	A	A				A	A																						
M/QH00/031 ..				I		A	A	A	A	A	A				A	A																						
M/QH00/032 ..				I		A	A	A	A	A	A				A	A																						
M/QH00/033 ..				I		A	A	A	A	A	A				A	A																						
M/QH00/034 ..				I		A	A	A	A	A	A				A	A																						
M/QH00/035 ..				I		A	A	A	A	A	A				A	A																						
M/QH00/036 ..				I		A	A	A	A	A	A				A	A																						
M/QH00/038 ..				I		A	A	A	A	A	A				A	A																						
M/QH00/040 ..				I		A	A	A	A	A	A				A	A																						
M/QH00/041 ..				I		A	A	A	A	A	A				A	A																						

ANNEX B—continued

ESTABLISHMENTS, ETC.

LEGEND I = Information
A = Action

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Modification No	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	TARANGAU	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	WATSON	GMGID (DRC)	GMGID (EWQ)			
	M/BE00/001 . .									I												I	I	I	I	I																
M/SR-421/001			A		A		A															I	I	A	I	I	I	I											A	A		
M/QY00/A003																						I		A		I	I	I														
M/QH00/011				A																		I	A	A	I	I															I	
M/QH00/016				A																		I	A	A	I	I															I	
M/QH00/015 (Amend)				A																		I	A	A	I	I															I	
M/QH00/023				A																		I	A	A	I	I															I	
M/QH00/024				A																		I	A	A	I	I															I	
M/QH00/025				A																		I	A	A	I	I															I	
M/QH00/026				A																		I	A	A	I	I															I	
M/QH00/027				A																		I	A	A	I	I															I	

ANNEX B—continued

ESTABLISHMENTS, ETC.

LEGEND I = Information
A = Action

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Modification No	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	TARANGAU	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	WATSON	GMGID (DRC)	GMGID (EWQ)				
	M/QH00/028				A																		I	A	A	I	I																I
M/QH00/029				A																		I	A	A	I	I																	I
M/QH00/031				A																		I	A	A	I	I																	I
M/QH00/032				A																		I	A	A	I	I																	I
M/QH00/033				A																		I	A	A	I	I																	I
M/QH00/034				A																		I	A	A	I	I																	I
M/QH00/035				A																		I	A	A	I	I																	I
M/QH00/036				A																		I	A	A	I	I																	I
M/QH00/038				A																		I	A	A	I	I																	I
M/QH00/040				A																		I	A	A	I	I																	I
M/QH00/041				A																		I	A	A	I	I																	I

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ANNEX B—continued

SHIPS

LEGEND I = Information
A = Action

Modification No	MELBOURNE	SUPPLY	STALWART	STALWART (FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	PALUMA	CURLEW	SNIPE	GULL	HAWK	TEAL	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLOW	ORION	OTAMA	TRV ₅	
M/QH00/042 ..				I		A	A	A	A	A	A				A	A																						
M/QH00/044 ..				I		A	A	A	A	A	A				A	A																						
M/QH00/045 ..				I		A	A	A	A	A	A				A	A																						
M/QH00/046 ..				I		A	A	A	A	A	A				A	A																						
M/QH00/049 ..				I		A	A	A	A	A	A				A	A																						
M/QH00/050 ..				I		A	A	A	A	A	A				A	A																						
M/QH00/051 ..				I		A	A	A	A	A	A				A	A																						
M/QH00/052 ..				I		A	A	A	A	A	A				A	A																						
M/KW-7/030 ..																																						
M/BID610/027 ..																												A										
M/177/053 ..				A		A	A	A	A	A	A																											

ANNEX B—continued

SHIPS

LEGEND I = Information
A = Action

Modification No	MELBOURNE	SUPPLY	STALWART	STALWART (FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	PALUMA	CURLEW	SNIPE	GULL	HAWK	TEAL	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLOW	ORION	OTAMA	TRV ₅	
M/177/051 ..				A		A	A	A	A	A	A																											
M/DA00/003 ..				A																			A	A														
M/JYA/089 ..						A	A	A	A		A					A																						
M/CB00/001 ..				I											A	A	A																					
M/177/045 ..						A	A		A																													
M/JYA/071 ..				I		A	A	A	A							A																						
M/JD00/001 ..				I		A	A	A	A	A	A																											
M/YA00/002 ..																																						
M/170/089 ..						A	A	A	A	A	A				A	A																						
M/170/093 ..						A	A	A	A	A	A				A	A																						
M/170/088 ..						A	A	A	A	A	A				A	A																						

ESTABLISHMENTS, ETC.

LEGEND I = Information
A = Action

Modification No	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	TARANGAU	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	WATSON	GMGID (DRC)	GMGID (EWQ)	
M/QH00/042				A																	I		A	A	I	I									I				I	
M/QH00/044				A																	I		A	A	I	I									I				I	
M/QH00/045				A																	I		A	A	I	I									I				I	
M/QH00/046				A																	I		A	A	I	I									I				I	
M/QH00/049				A																	I		A	A	I	I									I				I	
M/QH00/050				A																	I		A	A	I	I									I				I	
M/QH00/051				A																	I		A	A	I	I									I				I	
M/QH00/052				A																	I		A	A	I	I									I				I	
M/KW-7/030																					I	I	I	I			I	I											A	
M/BID-610/027					A	A		A		A											A	I	I	A	A															
M/177/053																					I	I	A	I	I	I	I	I												A

ESTABLISHMENTS, ETC.

LEGEND I = Information
A = Action

Modification No	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	TARANGAU	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	WATSON	GMGID (DRC)	GMGID (EWQ)		
M/177/051																					I	I	A	I	I	I	I	I											A		
M/DA00/003																			A		I	I	A	I	I	I															
M/JYA/089			A																		I	I	I	A	I	I	I	I												A	
M/CB00/001																					I		I	I	I	I	I														
M/177/045																					I	I	I	A	I	I	I	I													
M/JYA/071																					I	I	I	A	I	I	I	I													
M/JD00/001																					I	I	A	A	I	I	I														
M/YA00/002																A						I	I	I	I	I	I	I													
M/170/089			A																		I	I	I	I	I	I	I	I												A	
M/170/093			A																		I	I	I	I	I	I	I	I													A
M/170/088			A																		I	I	I	I	I	I	I	I													A

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ESTABLISHMENTS, ETC.

LEGEND I = Information
A = Action

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Modification No	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	TARANGAU	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	WATSON	OIC (M)	OIC (B)				
M/162/006 ..			I																		I	I	I	I	I	I	I															
M/193/016 ..																					I	I	I	I	I	I	I															
M/177/017 ..			A																		I	I	I	I	I	I	I											A				
M/193/003 ..																					I	I	I	I	I	I	I															
M/CT471/009			A	A	A	A	A	A	A	A	A	A	A	A		A	I	A	A	I	I	I	I	I	I	I	I											A				
M/UA8-9/048																					I	I	I	I	I	I	I															
M/182/014 ..																					I		A	A	I	I	I	I														
M/170/090 ..			A																		I	I	I	I	I	I	I												A			
M/QL00/A002				A																	I	I	I	I	I	I	I												I	I		
M/170/068 ..				A																I	I	I	I	I	I	I	I												A			
M/903/032 ..																					I	I	A	A	I	I	I	I														

ANNEX B—continued

ESTABLISHMENTS, ETC.

LEGEND I = Information
A = Action

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Modification No	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	TARANGAU	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	WATSON	OIC (M)	OIC (B)						
M/185/001 ..																					I	I	I	I	I	I	I																	
M/185/002 ..																																												
M/JYA/A02																					I	A	A	I	I	I	I																	
M/UA8-9/54																					I	I	I	I	I	I	I																	
M/KW-7/023			A	A	A				A							A	I		A	I	I	A	A	I	I	I	I																	
M/JYA/095 ..			A																		I	I	I	A	I	I	I												A					
M/193/018 ..																					I	I	A	A	I	I	I																	
M/193/035 ..																					I	I	I	I	I	I	I																	
M/3A00/001																																												
M/3A00/002																																												
M/170/092 ..			A																		I	I	I	I	I	I	I													A				

ANNEX B—continued

SHIPS

LEGEND I = Information
A = Action

Modification No	MELBOURNE	SUPPLY	STALWART	STALWART (FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	PALUMA	CURLEW	SNIFE	GULL	HAWK	TEAL	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	ORION	OTAMA	TRVs		
M/KQ00/001				I									A	A																									
M/EB00/002..																																							
M/EA00/001	A																																						

ANNEX B—continued

ESTABLISHMENTS, ETC.

LEGEND I = Information
A = Action

Modification No	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	TARANGAU	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENQUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE		
M/KQ00/001																					I	I	I	I	I	I	I	I										
M/EB00/002..																					I	I	I	I	I	I	I	I										
M/EA00/001																					I	I	I	I	I	I	I	I										

ANNEX C

SHIPS

LEGEND I = Information
A = Action

Modification No	MELBOURNE	SUPPLY	STALWART	STALWART (FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	PALUMA	CURLEW	SNIPE	GULL	HAWK	TEAL	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLOW	ORION	OTAMA	TRVs	
F/WRT-2/026																																						
F/URT-23(V)006	A	A	A	I		A	A	A		A	A	A			A	A	A															A	A	A	A			
F/WRT-1/015				I								A	A	A																								
F/WRT-1A/005																																						
F/WRT-1B/001				I								A	A	A																								
F/WRC-1/013				A								A	A																									
F/WRC-1B/006				A								A	A																									
F/URT-24/002	A	A	A	A	A	A	A			A	A				A	A	A		A	A	A		A	A	A	A	A			A	A	A	A					
F/URC-32A/014				I								A	A	A																								
F/URC-32B/011				I								A	A	A																								
F/URC-32/028																																						

ANNEX C—continued

SHIPS

LEGEND I = Information
A = Action

Modification No	MELBOURNE	SUPPLY	STALWART	STALWART (FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	PALUMA	CURLEW	SNIPE	GULL	HAWK	TEAL	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLOW	ORION	OTAMA	TRVs	
F/URD-4D/001												A	A	A																								
F/SQS-23(V)001												A	A	A																								
F/URC-9/005											A	A	A			A																						
F/SRC-20/010											A	A	A			A																						
F/SRC-21/011											A	A	A			A																						
F/SRC-20/008											A	A	A			A																						
F/SRC-21/008											A	A	A																									
F/SRA-33/001				I							A	A																										
F/SRC-20/011				I							A	A	A																									
F/SRC-21/010				I							A	A	A																									
F/URC-9/005				I							A	A	A																									

ANNEX C—continued

SHIPS

LEGEND I = Information
A = Action

Modification No	MELBOURNE	SUPPLY	STALWART	STALWART (FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	PALUMA	GURLEW	SNIPE	GULL	HAWK	TEAL	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	ORION	OTAMA		
F/ULQ-6A/A03												A	A	A																								
F/WRC-1B/007	A	A	A	A	A	A	A	A	A	A	A				A	A	A	A	A			A	A	A	A	A	A	A		A	A	A	A	A				
F/URT-23(V)/008	A	A	A	A	A	A	A	A	A	A	A				A	A	A	A	A			A	A	A	A	A	A	A		A	A	A	A	A				
F/R-1051B/004	A	A	A	A	A	A	A	A	A	A	A				A	A	A	A	A			A	A	A	A	A	A	A		A	A	A	A	A				

ANNEX C—continued

ESTABLISHMENTS, ETC.

LEGEND I = Information
A = Action

Modification No	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	TARANGAU	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENQUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMO (S)	SGSO	SLSO	SASO	NTS ANNEXE	WATSON		
F/ULQ-6A/A03																					I		I	I	I	I	I	I											
F/WRC-1B/007			A	A	A		A	A								A	I			A	I	I	I	I	I	I	I	I										I	
F/URT-23(V)/008			A	A	A		A	A								A	I			A	I	I	I	I	I	I	I	I										I	
F/R-1051B/004			A	A	A		A	A								A	I			A	I	I	I	I	I	I	I	I										I	

ANNEX D

SHIPS

LEGEND I = Information
A = Action

23/74

Modification No	MELBOURNE	SUPPLY	STALWART	STALWART (FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHESS	DIAMANTINA	KIMBLA	BASS	BANKS	PALUMA	CURLEW	SNIPE	GULL	HAWK	TEAL	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLOW	ORION	OTAMA	TRV ^s	
S/305				I								A	A	A																								
S/338				I								A	A	A																								

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ANNEX D—continued

ESTABLISHMENTS, ETC.

LEGEND I = Information
A = Action

Modification No	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	TARANGAU	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		
S/305																					I	I	I	I	I												I	
S/338																					I	I	I	I	I													I

(400/30/19)

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DNLS

RESTRICTED

ANOs 24/74-35/74



AUSTRALIAN NAVY ORDERS

- 24/74 ...
- 25/74 ...
- SECTION 4 - EQUIPMENT, STORES AND SERVICING
 - 26/74 ...
 - 27/74 ...
 - 28/74 ...
 - 29/74 ...
- SECTION 5 - STORES, CORRESPONDENCE FORMS AND STATISTICS
 - 30/74 ...
 - 31/74 ...
 - 32/74 ...
 - 33/74 ...
 - 34/74 ...
 - 35/74 ...

Navy Office, Canberra,
1 February 1974.

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

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 4720.

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

CONTENTS

No	Title
SECTION 1—ADMINISTRATIVE AND GENERAL	
24/74	Commissioning.
SECTION 3—OPERATIONAL AND TRAINING	
25/74	Officers' Extension Tutorial Course.
SECTION 4—EQUIPMENT, STORES AND SERVICING	
26/74	D/F Calibrations, Horizontal and Vertical Coverage Diagrams.
27/74	General Stores—Internal Mechanical Cleaning of Boilers—Additional Allowances for DEs.
28/74	NBCD—Masks Protective NBC—Regulations for Testing.
29/74	Toroidal Sealing Rings—'O' Rings—Incorrect Dimensions.
SECTION 5—BOOKS, CORRESPONDENCE, FORMS AND STATIONERY	
30/74	Form OA164—Log Book—Aircrew Other Than Pilot—Introduction Into Service.
31/74	Navigational Charts—Torres Strait.
32/74	RAN Catalogue of Materiel (ABR 5074)—Distribution and Format of Change Lists.
33/74	RAN Metric Notes—Introduction.
AMENDMENTS	
34/74	Armament Stores—Cox Gun Equipment Allowances.
35/74	General Stores—Introduction and Allowances of 4220-66-044-1034 Life Preserver, Vest—'Sanar' Life Jacket.

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

24/74—Commissioning

- 1. The following commissionings have been effected:
 - HMAS SALAMAUA 19 October 1973
 - HMAS WEWAK 10 August 1973
- 2. The following decommissionings have been effected:
 - HMAS SYDNEY 12 November 1973
 - HMAS BANDOLIER 16 November 1973

(1211/51/872)

Section 3

OPERATIONAL AND TRAINING

UNCLASSIFIED

25/74—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 programme 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:

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

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;

CONTENTS

No.	Title
SECTION 1—ADMINISTRATIVE AND GENERAL	
24/74	Commissioning
SECTION 2—OPERATIONAL AND TRAINING	
22/74	Officers' Extension Tutorial Course
SECTION 4—EQUIPMENT, STORES AND SERVICES	
26/74	DVF Calibration, Historical and Vertical Coverage Diagram
27/74	General Stores—Inventories, Mechanical Cleaning of Boxes—Additional Allowance for DE
28/74	NBCD—Mater Protective NBC—Regulations for Training
29/74	Tactical Scoring Ring—V Rings—Inventories Diagram
SECTION 5—BOOKS, CORRESPONDENCE FORMS AND STATIONERY	
30/74	Form DA14—Log Book—Aircrew Over Time Plot—Introduction into Service
31/74	Navigational Chart—Tower Sheet
32/74	RAN Catalogue of Materials (RAN 2004)—Distribution and Terms of Change List
33/74	RAN Materie Notes—Introduction
AMENDMENTS	
34/74	Amendment 2004—Cor Gun Equipment Allowance
35/74	General Stores—Introduction and Allowance of 22/74-24/74 Life Support

- b. Phase 2—have a broad knowledge of Service organisation and management;
- c. Phase 3—have a basic knowledge of national and global strategy and the employment of defence forces; and
- d. Phase 4—have a sufficient background knowledge of Australia and other selected countries of the world to appreciate the significance of current national and international affairs.

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 and Consolidation Checks

8. Material to be studied is in sixteen study guides. After each odd-numbered study guide, a consolidation check is set on the work covered in that guide; after each even-numbered study guide, an assessable assignment is set, based principally on the work covered by the preceding two, 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—normally the Education Officer but, where appropriate, may be another officer who would be 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.

13. Officers who do not submit any two consecutive pieces of prescribed written work, without first obtaining the 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. No 7 OETC commences on 3 June 1974. Applications for enrolment will close on 19 April 1974.

Method of Application

16. Applications for No 7 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 30/73 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 Entry Into RAN.....
 Date of Birth.....
 I hereby apply for enrolment in the extension tutorial course commencing on 3 June 1974, 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 30/73)

Section 4

EQUIPMENT, STORES AND SERVICING

RESTRICTED

26/74—D/F Calibrations, Horizontal and Vertical Coverage Diagrams

D/F Calibrations

1. D/F calibrations are used to calculate the discrepancies between indicated and actual bearings of electronic emissions. These deviations are plotted as a graph to allow the operator to obtain an accurate bearing of an emission.

Polar or Horizontal Coverage Diagrams (HCD)

2. Close objects can severely modify theoretical aerial horizontal radiation and reception patterns. This phenomenon is more pronounced as frequency increases. HCDs indicate the azimuth limitations of aerials.

Vertical Coverage Diagrams (VCD)

3. VCDs cover the vertical plane for aerials in the same manner as HCDs cover the horizontal plane.

Preparation of Diagrams and Calibrations Charts

4. The Officer-in-Charge, RANTAU, is responsible for the preparation of charts and diagrams. RANTAU assisted by ship's staff, is to conduct the necessary trials and distribute the completed diagrams and charts as follows:

- a. Ship concerned—four copies, one to be inserted in the ship's book and one copy each to the WEEO, SCO and Senior PWO/Direction Officer (for inclusion in the AIO Data Book).
- b. Navy Office—six copies, one each to DFM, DWSD, DCSD, D of C, DNSD and DUR.
- c. FOCAF—one copy.
- d. RANTAU—as required.

Procedure and Trials Facilities

5. a. *Facilities.* Shipborne calibration of MF/HF/UHF D/F should be carried out in harbour whenever possible. The facilities available for carrying out D/F calibrations and the preparation of HCDs and VCDs are:

- (1) where a fleet ship is available it should transmit for the benefit of the other ship;
- (2) when a fleet ship is not available HMAS WATSON should be used for trials of MF, HF (1.5 to 17 MHz), UHF, E/F and I bands;
- (3) ships requiring trials in the Melbourne area should use the facilities of the Radio Centre at Williamstown Naval Dockyard as far as possible, the remaining equipment being calibrated as in (1) and (2) above. Limited facilities are available at West Head Gunnery Range.

b. *Procedure for Trials.* The procedures advocated in the relevant equipment BRs, NAVSHIPS publications, CBs and RNCs, etc, are to be used by RANTAU when conducting trials. The Officer-in-Charge, RANTAU, is the authority for amending these procedures when anomalies are found in existing procedures or a change is directed by the Naval Board.

Requirement for Diagrams and Calibration Charts

6. a. *New Construction and Half Life Modernisation.* During programmed advance inspections RANTAU is to ensure that aerials are sited in accordance with approved Navy Office drawings. Diagrams and charts are to be prepared during SATs.
- b. *Operational Ships.* (All ships not under construction or half life modernisation.) Commanding Officers are to request the advice of RANTAU if it is considered that aerial, equipment changes or structural alterations may have altered their original first fit HCDs or VCDs.

Equipment and Aerials Requiring Calibration and Diagrams

7. a. *Communications.* All aerials should be plotted for HCDs where possible. VCDs are not required for communications equipment.
- b. *Electronic Warfare.* HCDs and VCDs will not be prepared for EW equipment. For jammer aerials, polar diagrams may be plotted to determine the extent of the main beam and the back and side lobes as part of a trial to determine mutual interference between aerials.
- c. *Communications and EW equipment other than a. and b.* Some D/F communication aerials may require a 'cone of silence' established. The appropriate equipment handbook or operational necessity may dictate this requirement if aircraft targets are to be worked.
- d. *Radar.* VCDs and HCDs are required for all surveillance radar aerials. When carrying out this trial, aircraft assistance, eg, HS 125 should be sought. A calibration of the bearing accuracy of at least two appropriate radar displays is required and a calibration curve is to be plotted.
- e. It is the ship's responsibility to use these diagrams to their best advantage.

Check Calibrations and Exercises

8. Check calibrations and exercises should be carried out as advised by the ship's technical or operational officers, or as detailed in the relevant equipment handbooks. Any check calibration which reveals large deviations from the original diagrams should be dealt with as for any other ship defect. On no account are first fit diagrams to be altered by ship's staff.

9. RANCO 0124 will be altered in due course.

(N16/8/110)

UNCLASSIFIED

27/74—General Stores—Internal Mechanical Cleaning of Boilers—
Additional Allowances for DEs

1. With the introduction of Wilson Boiler Cleaning Gear (Navy Order 296/71 refers) it was considered that the Upriser and Superheater Support Tubes fitted in DEs with their complex shaped bends of very small radii, were too difficult to clean by mechanical means. However, with the experience now gained in the use of this equipment it has been found that mechanical cleaning of these tubes is now possible.

2. Annex A to this order lists the equipments and areas of usage.
3. Annex B to this order details the allowances of each item.
4. Demands to complete to the revised allowances are to be lodged on the appropriate Superintending Stores Officer, Sydney.
5. Relevant MBRs will be amended.

ANNEX A
List of Components—Section A

Location	Length	Size	Bore	Min. Rad.	Note	Motor	Spare Rotor	Blade	Hose Flexible	Hose Rubber	Hose Assembly	Air Valve
Type DE—4 Vessels each with 2 Babcock and Wilcox Boilers—YARRA, PARRAMATTA, STUART, DERWENT												
Upriser	7'	4" x .212"	3.576"	8"	(a)	4940-66-035-0004	4940-66-035-0015	—	—	—	4730-66-035-0022	4940-66-035-0034
					(b)	UECT262	4034	—	—	—	8974/25	8654
Super Heater Support Tubes	11'	3 1/4" x .232"	2.786"	2' 9"	(a)	4940-00-964-1705	4940-66-035-0015	4940-00-393-3910	4720-66-035-0066	4730-66-035-0025	4940-66-035-0035	8647
					(b)	ECT262	4034	4926	4109	8975/25	8647	
Type DE—2 Vessels each with 2 Babcock and Wilcox Boilers—SWAN and TORRENS												
Upriser	7'	4" x .212"	3.576"	8"	(a)	4940-66-035-0004	4940-66-035-0015	—	—	—	4730-66-035-0022	4940-66-035-0034
					(b)	UECT262	4034	—	—	—	8974/25	8654
Super Heater Support Tubes	11'	2.5" x .252"	1.996"	10"	(a)	4940-66-035-0005	4940-00-413-5047	4940-00-393-3907	4940-00-413-5053	4730-66-035-0027	4940-66-035-00	3789
					(b)	C10	2803	4333	2791	8972/25	3789	

ANNEX A—continued
List of Components—Section B

Location	Length	Size	Bore	Min. Rad.	Note	Shaft Drive Flexible	Ball Stud	Adaptor Flex Holder	Brush Wire Boiler Tube	Brush Section Set	Expanding Brush Range	Motor Rotor Wrench
Type DE—4 Vessels each with 2 Babcock and Wilcox Boilers—YARRA, PARRAMATTA, STUART, DERWENT												
Upriser	7'	4" x .212"	3.576"	8"	(a)	4940-66-035-0039	5120-66-039-9498	—	5130-66-035-0049	5130-66-035-0064	2.875"-3.932"	5120-66-042-1583
					(b)	UV4873	5430	—	4824	4827-0040	—	2375
Super Heater Support Tubes	11'	3 1/4" x .232"	2.786"	2' 9"	(a)	4940-66-035-0043	—	—	5130-00-260-8254	5130-66-035-0078	2.459"-2.867"	5120-66-042-1583
					(b)	A2318	—	—	3456	3458-4-18	—	2375
Intermediate Tubes	14'	1.5" x .116"	1.268"	10"	(a)	—	—	—	5130-66-035-0053	5130-66-061-9833	1.292"-1.061"	—
					(b)	—	—	—	2664	2665-10-9	—	—
Intermediate Tubes (Baffle Wall)	14'	1.5" x .128"	1.224"	10"	(a)	—	—	—	—	5130-66-061-9832	1.252"-1.092"	—
					(b)	—	—	—	—	2471-10-9	—	—
Generator Tubes	15'	1" x .092"	.816"	6"	(a)	—	—	—	5130-00-277-3089	5130-00-260-6040	.716"- .810"	—
					(b)	—	—	—	2648	2649-13-05	—	—
Generator Tubes	15'	1" x .092"	.816"	6"	(a)	—	—	—	—	5130-00-260-6025	.689"- .830"	—
					(b)	—	—	—	—	2457-13-5	—	—
Fire Row Tubes	13'	2" x .128"	1.744"	10"	(a)	—	—	—	—	5130-00-062-1194	1.493"-1.724"	—
					(b)	—	—	—	—	2485-09-12	—	—
Type DE—2 Vessels each with 2 Babcock and Wilcox Boilers—SWAN and TORRENS												
Upriser	7'	4" x .212"	3.576"	8"	(a)	4940-66-035-0039	5120-66-039-9498	—	5130-66-035-0049	5130-66-035-0064	2.875"-3.932"	5120-66-042-1583
					(b)	UV4873	5430	—	4824	4827-0040	—	2375
Super Heater Support Tubes	11'	2.5" x .252"	1.996"	10"	(a)	4940-66-061-9830	—	—	5130-66-063-1143	5130-66-061-9831	1.761"-1.995"	5120-00-318-9084
					(b)	C5252	—	—	7290	2485-13-13	—	2031
Intermediate Tubes	14'	1.5" x .116"	1.268"	10"	(a)	—	—	—	5130-66-035-0053	5130-66-061-9833	1.292"-1.061"	—
					(b)	—	—	—	2664	2665-10-9	—	—
Intermediate Tubes (Baffle Wall)	14'	1.5" x .123"	1.224"	10"	(a)	—	—	—	—	5130-66-061-9832	1.252"-1.092"	—
					(b)	—	—	—	—	2471-10-9	—	—
Generator Tubes	15'	1" x .092"	.816"	6"	(a)	—	—	—	5130-00-277-3089	5130-00-260-6040	.716"- .810"	—
					(b)	—	—	—	2648	2649-13-5	—	—
Generator Tubes	15'	1" x .092"	.816"	6"	(a)	—	—	—	—	5130-00-260-6025	.689"- .830"	—
					(b)	—	—	—	—	2457-13-5	—	—
Fire Row Tubes	13'	2" x .128"	1.744"	10"	(a)	—	—	—	—	5130-00-062-1194	1.493"-1.724"	—
					(b)	—	—	—	—	2485-09-12	—	—

Notes:
(a) Stock No.
(b) Part No.

ANNEX B

Revised Allowances—DEs

27/74

Class	Catalogue No	Description	Part No.	UI	AC CL	Allowance per Ship	
						YARRA PARRA- MATTA DERWENT and STUART	SWAN TORRENS
4940	00-964-1705	AIR MOTOR TUBE CLEANER	ECT262	EA	P	1	Nil
4940	66-035-0004	AIR MOTOR TUBE CLEANER	UECT262	EA	P	1	1
4940	66-035-0005	AIR MOTOR TUBE CLEANER	C10	EA	P	2	3
4940	66-035-0015	BLADE ROTOR	4034	SE	C	2	1
4940	00-413-5047	BLADE ROTOR	2803	SE	C	2	3
4940	00-393-3910	HOSE FLEXIBLE	4926	EA	C	1	Nil
4940	00-393-3907	HOSE FLEXIBLE	4333	EA	C	2	3
4730	66-035-0027	HOSE ASSEMBLY	8972/25	EA	P	4	5
4730	66-035-0022	HOSE ASSEMBLY	8974/25	EA	P	1	1
4730	66-035-0025	HOSE ASSEMBLY	8975/25	EA	P	1	Nil
4940	66-035-0036	VALVE, AIR	8647	EA	P	1	Nil
4940	66-035-0034	VALVE, AIR	8654	EA	P	1	1
4940	66-035-0035	VALVE, AIR	3789	EA	P	4	5
5130	66-061-9830	SHAFT DRIVE, FLEXIBLE	C5252	EA	C	Nil	3
4940	66-035-0043	SHAFT DRIVE, FLEXIBLE	A2318	EA	P	3	Nil
4940	66-035-0039	SHAFT DRIVE, FLEXIBLE	UV-4873	EA	P	2	2
5130	66-063-1143	BRUSH WIRE, BOILER TUBE	7290	EA	C	Nil	2
5130	00-260-8254	BRUSH WIRE, BOILER TUBE	3456	EA	C	2	Nil
5130	66-035-0049	BRUSH WIRE, BOILER TUBE	4824	EA	C	2	2
5130	00-277-3089	BRUSH WIRE, BOILER TUBE	2648	EA	C	6	6

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ANNEX B—continued

Class	Catalogue No	Description	Part No.	UI	AC CL	Allowance per Ship	
						YARRA PARRA- MATTA DERWENT and STUART	SWAN TORRENS
5130	66-035-0052	BRUSH WIRE, BOILER TUBE	2664	EA	C	4	4
5130	00-260-6025	BRUSH, SECTION SET	2457-13-5	SE	C	26	52
5130	00-062-1194	BRUSH, SECTION SET	2485-9-12	SE	C	26	26
5130	00-260-6040	BRUSH, SECTION SET	2649-13-05	SE	C	26	26
5130	66-035-0078	BRUSH, SECTION SET	3458/0418	SE	C	3	Nil
5130	66-035-0064	BRUSH, SECTION SET	4827/0040	SE	C	2	2
5130	66-061-9831	BRUSH, SECTION SET	2485-13-13	EA	C	Nil	3
5130	66-061-9832	BRUSH, SECTION SET	2471-10-9	EA	C	14	14
5130	66-061-9833	BRUSH, SECTION SET	2665-10-9	EA	C	14	14
4940	00-413-5053	HOSE, RUBBER	2791	EA	C	8	9
4720	66-035-0066	HOSE, RUBBER	4109	EA	N	2	Nil
5120	66-042-1583	WRENCH, OPEN END, FIXED	2375	EA	C	2	1
5120	00-318-9084	WRENCH, OPEN END, FIXED	2031	EA	C	2	3
5120	66-039-9498	BALL STUD	5430	EA	C	2	2
5140	66-040-3976	TOOL BOX SIZE 4		EA	P	1	Nil
5140	66-040-3974	TOOL BOX SIZE 2		EA	P	5	6
4930	66-043-8642	OILER, AIRLINE $\frac{1}{2}$ "	3612	EA	C	1	1
4930	66-043-8643	OILER, AIRLINE $\frac{3}{4}$ "	3613	EA	C	1	Nil
4930	66-043-8641	OILER, AIRLINE $\frac{3}{8}$ "	3611	EA	C	4	5

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(Navy Order 296/71)

(501/54/529)

27/74

RESTRICTED

28/74—NBCD—Masks Protective NBC—Regulations for Testing

1. It is important that all personnel possess an efficient means of respiratory protection in both limited and general war. A secondary need is for all personnel to be capable of continuing operations during riot-control and counter-insurgency operations. Commanding Officers are to ensure that this important defensive requirement, which affects operational efficiency, is met.

2. The testing procedures laid down at Annex A apply equally to MASKS PROTECTIVE NBC PORTON S6 and 4240-00-926-4199, 4240-00-926-4200 and 4240-00-926-4201 MASKS PROTECTIVE FIELD M17A1.

3. In order to maintain protective masks, in a satisfactory state, they should be tested in the presence of CS agent on the following occasions:

- when a new mask is issued;
- after repairs to the mask have been carried out; and
- at intervals of not more than twelve months.

Masks should not normally be tested in ships and arrangements should be made for this to be done ashore during periods of refit or self-maintenance. At present masks can only be tested at HMAS PENGUIN or HMAS CERBERUS and on a limited basis at HMAS LEEUWIN and HMAS TARANGAU.

4. Demands by these establishments for 1370-99-960-8918 PELLET, IRRITANT, SMOKE, RESPIRATOR TESTING, should be lodged at the nearest Armament Store Depot. Allowances of this item will not be promulgated and demands should be restricted to working stock requirements. The overall consumption is approximately 3,000.

ANNEX A**Testing Procedures**

1. The procedure outlined hereunder is to be followed when testing NBC protective masks:

- Select a suitable building and ascertain its cubic capacity. To achieve an effective concentration it will be necessary to ignite one CS pellet for each four hundred cubic feet and additional pellets to maintain the concentration if more than one party passes through the chamber.
- Muster the party outside and to windward of the chamber. Inspect masks, don and check for fit. Explain the aims of the test. Emphasise that any individual feeling the effects of the agent is on no account to remove his mask, but to hold up his hand and leave the chamber when ordered. Enter the chamber.
- Ignite the necessary number of pellets. To avoid damage by heat, the pellets should be in a metal container on short legs. If necessary fan the pellets to achieve dispersion. The presence of an adequate concentration will be felt by an irritation around the neck.
- After achieving an adequate concentration order the party to carry out the following drill:
 - walk for thirty seconds,
 - standing, roll the head from side to side for fifteen seconds,
 - Standing, roll the head round and backwards for fifteen seconds,
 - bending forward from the hips shake the head vigorously from side to side for ten seconds,
 - jump approximately nine inches and land on the heels, repeat five times,
 - Run on the spot for ten seconds.

- Order the party to leave the chamber, the officer or sailor in charge to leave last. Muster to windward of the chamber, remove masks and stand in the fresh air for at least five minutes to dispel traces of CS from the skin and clothing. Should irritation of the skin persist beyond this period, the affected part should be washed with soap and water.
- Examine each individual for severe pressure marks on the face, which indicates too tight an adjustment of the head harness. Any such cases must be refitted and retested.
- Clean masks in accordance with current practice.

Precautions

2. There should be a clear range to leeward of at least one hundred yards and a wind of at least force two should be blowing to ensure dispersion of CS.

(710/51/342)

UNCLASSIFIED

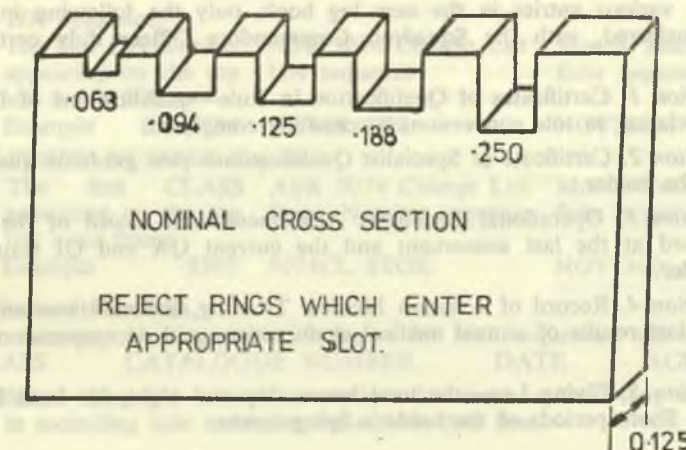
29/74—Toroidal Sealing Rings—'O' Rings—Incorrect Dimensions

1. Some stocks of Toroidal Sealing Rings Class/Group 0413 and 5330 have been manufactured to the NOMINAL and not the ACTUAL dimensions shown in British Standard Specification 1806 or Australian Standard B320.

2. Action is being taken to ensure that only correctly dimensioned 'O' rings are supplied by manufacturers in future. Until further notice, however, every 'O' ring purported to be BS1806 or ASB320 should be checked before being used to ensure it is not of the incorrect (ie, NOMINAL dimensions). To facilitate this, it is recommended that a simple plate gauge as shown in Figure 1 be produced and used as directed. Any ring which will enter the appropriate (NOMINAL size) slot should be mutilated and discarded. Any ring passing this test should be examined to see if it is free from surface imperfections before being installed.

3. New deliveries of 'O' rings to BS1806 or ASB320 are to be checked on receipt by the Superintending General Store Officer and correctly dimensioned rings kept separately from existing stocks until the latter have been inspected. Instructions have been issued to the Superintending General Store Officer direct to cover these points.

4. Check the NOMINAL cross section of the seal in the catalogue or BS1806 or ASB320. Apply the seal to the appropriate slot—if it enters, REJECT it.



Dimensions of Slots

Width: Where full workshop facilities are not available, make the width of the slot a good fit on the shank of a Jobbers type drill of appropriate diameter, viz:

Nominal Cross Section	Appropriate Jobbers Drill
0.063	$\frac{1}{16}$ inch
0.094	$\frac{3}{32}$ inch
0.125	$\frac{1}{8}$ inch
0.188	$\frac{3}{16}$ inch
0.250	$\frac{1}{4}$ inch

Where full workshop facilities are available, the widths of the slots should be as follows:

Nominal Cross Section	Minimum Width of Slot	Maximum Width of Slot
0.063	0.063	0.065
0.094	0.094	0.097
0.125	0.125	0.130
0.188	0.188	0.195
0.250	0.250	0.260

Depth: In each case, the depth of each slot should be approximately the same as its width.

(1218/51/1514)

Section 5**BOOKS, CORRESPONDENCE, FORMS AND STATIONERY****UNCLASSIFIED****30/74—Form OA164—Log Book—Aircrew Other Than Pilot—Introduction Into Service**

1. To provide a more comprehensive record of the flying experience of aircrew other than pilots, a new Form OA164 Log Book will be introduced into service from 1 January 1974, with the current Log Book (Form AS1175A) being superseded on that date.

2. As it is impracticable to extract from the old log book all the data needed to commence the various entries in the new log book, only the following information should be transferred, with the Squadron Commanding Officer duly certifying its accuracy:

- Section 1.** Certificates of Qualification in Role—qualifications of the holder in relation to role conversions successfully completed.
- Section 2.** Certificate of Specialist Qualification—post graduate qualifications of the holder.
- Section 3.** Operational Readiness Assessment—the record of the standard gained at the last assessment and the current QA and QI status of the holder.
- Section 4.** Record of Aviation Medical Training, Examinations and Tests—the last results of annual medical examinations and decompression chamber runs.
- Section 5.** Flying Log—the total hours, day and night, for both Embarked and Shore periods of the holder's flying career.

- Section 6.** Periodic Summary of Flight Operations—the total hours, day and night for both Embarked and Shore periods of the holder's flying career.
- Section 7.** Record of Weapon System Trainer Practices—the totals of practices on various training devices.
- Section 8.** Record of Service—no action required.
- Section 9.** Flying Accident History—details of all flying accidents in which the holder has been involved.

3. Forms will be issued, initially, without demand.

(464/79/26)

RESTRICTED**31/74—Navigational Charts—Torres Strait**

1. Two special charts of Torres Strait which were produced in 1967 are to be downgraded to 'RESTRICTED' and as the charts are now out of date in various respects, they are to be marked 'NOT TO BE USED FOR NAVIGATION'.

2. Confidential Navy Order 43/70 is hereby cancelled.

(N1454/3/132)

(Confidential Navy Order 43/70)

UNCLASSIFIED**32/74—RAN Catalogue of Materiel (ABR 5074)—Distribution and Format of Change Lists****Distribution**

1. Further to Navy Order 239/73 ABR 5074 Change Lists will be issued in microfiche to all holders of ABR 5074—RAN Catalogue of Materiel in both Item Identification Number (Abbreviation IIN) and Stock Number sequences.

Titling

2. Each microfiche will be titled at the top in eye readable size characters as follows:

a. IIN Sequence:

The first IIN number appearing on the top left hand frame	ABR 5074 Change List IIN sequence	Month/Year of issue and fiche sequence number
Example 011-1234	5074CL IIN	NOV73001

b. STOCK NUMBER Sequence:

The first CLASS appearing on the top left hand frame	ABR 5074 Change List Stock Number sequence	Month/Year of issue and fiche sequence number
Example 5307	5074CL STOK	NOV73001

Frame Columnar Headings

3. The columnar headings on each frame for both sequences will be as follows:

CLASS	CATALOGUE NUMBER	DATE	ACTION
-------	------------------	------	--------

Note: Where there are several transactions for the one item, they will appear on the listing in ascending date order, ie, the earliest date first.

Indexing

4. The index to the contents of each microfiche will appear in the last frame at the bottom right hand corner of the microfiche in the following format:

IIN Sequence First catalogue number on each frame.
 STOCK NUMBER Sequence .. First stock number on each frame. The CLASS will always be shown followed by a space then the catalogue number up to thirteen characters after which no further characters will be shown.

Errata

5. With the volume of catalogue data being processed it is inevitable that errors will occur, and as they are disclosed amendment action is set in train. Due to processing time scales, it is not possible in the final two weeks before promulgation, to correct any errors disclosed in that period. These will be notified to all holders of ABR 5074 by stencilled Change List Amendments (short title CLA). These amendments will be prepared by Director of Supply Services and distributed at intervals not exceeding a fortnight by the Publications Authority, Garden Island.

(465/1/1750)

(Navy Order 239/73)

UNCLASSIFIED**33/74—RAN Metric Notes—Introduction**

1. The formation of the Naval Metrication Committee was notified in Navy Order 60/72.

2. One of the terms of reference of the Naval Metrication Committee is to disseminate information relating to metric conversion as it affects the Department of the Navy, and to effect this aim the RAN Metric Notes are hereby introduced.

3. Australia is presently involved in a conversion programme from the Imperial System of measurement to the International System (SI), commonly called the Metric System. The Government intends that conversion to the sole use of SI units will be completed by 1980. This Department's conversion activity is increasing and will remain at a high level for several years to meet the stated Government aim for conversion to be sixty per cent complete by 1976.

4. The RAN Metric Notes will explain the conversion programme aims and objectives, acquaint Departmental staff with the SI units and provide up to date information on policies and decisions relating to the conversion which are of consequence in the work of the Department.

5. Very little of what is to be published in Metric Notes will be original and acknowledgement of this appears in Issue 1, but where practicable the material has been presented in a form most appropriate to the needs of the Department of Defence (Navy Office).

6. Distribution of Metric Notes has been aimed at making a copy available relatively conveniently to every civilian and Service member of the Department, but space limitations will affect this aim on board HMA Fleet units to some extent. The Notes will be issued approximately quarterly for the next two years in loose leaf form. Issues 1 and 2 in loose leaf binders (Forms TG139) will be distributed by CEO (GS) when stocks are available.

7. Comments, criticisms or corrections relating to the RAN Metric Notes, and queries or requests regarding distribution should be forwarded to the Director-General of Naval Design, Department of Defence (Navy Office), Canberra.

(8/1/487)

(Navy Order 60/72)

AMENDMENTS**UNCLASSIFIED****34/74—Armament Stores—Cox Gun Equipment Allowances**

Navy Order 31/73 is to be amended as follows:

Annex B

Under 411235 BOLT/PUNCH AMMUNITION SET NO 2 *amend* the quantities of the following items to read:

411009	NUT TO SUIT SCREWED BOLTS $\frac{3}{8}$ INCH BSF	..	..	..	..	120	No
	P/N 55 .. .. .	..	..	..	..	120	No
411011	REGISTER WOOD P/N 56 .. .. .	..	..	..	..	120	No

(N728/251/63)

(Navy Order 31/73)

UNCLASSIFIED**35/74—General Stores—Introduction and Allowances of 4220-66-044-1034 Life Preserver, Vest—'Sanar' Life Jacket**

Navy Order 47/73 is to be amended as follows:

ANNEX A

Delete in entirety, reference to HMA Ships SYDNEY, PALUMA HAWK and GULL.

Insert:

	<i>Col 1</i>				<i>Allowance</i>
HMAS FLINDERS	20
HMAS COOK (on commissioning)	30
TRVs	5

(514/62/387)

(Navy Order 47/73)

AMENDMENTS

AMENDMENTS

The following amendments are proposed to be made to the following orders and instructions:

3574—General Orders—Inspection and Allowance of

3574—General Orders—Inspection and Allowance of

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3574—General Orders—Inspection and Allowance of

3574—General Orders—Inspection and Allowance of

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3574—General Orders—Inspection and Allowance of



AUSTRALIAN NAVY ORDERS

SECTION 4—EQUIPMENT, STORES AND SUPPLY

14/74 Alteration of Length of Uniforms, etc. of Light and Heavy Armoured Troops
Service and Reserve—1974-74.

15/74 Multi-Mounted Ordnance—Issuance of Ordnance Permits, Issuing
Process, Requirements at Supply, Storage and Control for the United
States.

16/74 Multi-Mounted Ordnance for SAHMS and SAHMS (A) and SAHMS (B)
at Melbourne and Sydney—1974-74.

Navy Office, Canberra,
4 February 1974.

18/74 Multi-Mounted Ordnance for SAHMS (A) and SAHMS (B) at Melbourne

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

19/74 Multi-Mounted Ordnance for SAHMS (A) and SAHMS (B) at Melbourne, Sydney
and Perth—1974-74.

21/74 Multi-Mounted Ordnance for SAHMS (A) and SAHMS (B) at Melbourne,
Sydney, Perth and Brisbane—1974-74.

22/74 Uniforms and Clothing Being Press—General Service.

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 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

36/74—Alteration of Lacing of Uniforms, Etc. of RAN and RANR Officers at Melbourne and Sydney—1973-74

1. The price schedule for alterations of RAN and RANR officers' uniforms etc. to officers' messengers, etc. Navy Tailors Pty Ltd, and Sydney Mess Tailors, NSW, and Sydney Pty Ltd, 211 George Street, Sydney, NSW, during the period 1 July 1973 to 31 June 1974 are shown in Tables 4 and 5 of this Order.

2. These prices are for alterations of uniforms of RAN and RANR officers' messengers, etc. to officers' messengers, etc. Navy Tailors Pty Ltd, and Sydney Mess Tailors, NSW, during the period 1 July 1973 to 31 June 1974.

CONTENTS

No	Title				
SECTION 4—EQUIPMENT, STORES AND SERVICING					
36/74	Alteration of Lacing of Uniforms, Etc. of RAN and RANR Officers at Melbourne and Sydney—1973-74.				
37/74	Made-to-Measure Uniforms—Availability of Australian Government Clothing Factory Representatives in Sydney, Brisbane and Canberra for Try on of Uniforms.				
38/74	Made-to-Measure Uniforms for RANNS and WRANS Officers and WRANS at Melbourne and Sydney—1973-74.				
39/74	Made-to-Measure Uniforms for Sailors, RAN, RANR and NRC at Melbourne, Sydney, Perth and Brisbane—1973-74.				
40/74	Naval Dockyard Police—Made-to-Measure Uniforms at Melbourne, Sydney and Perth—1973-74.				
41/74	RAN, RANR and NRC Officers' and Chaplains' Made-to-Measure Uniforms at Melbourne, Sydney, Perth and Brisbane—1973-74.				
42/74	Uniform and Clothing Issuing Prices—Annual Revision.				
	Sub-Lieutenant (From A-Lieutenant)	7.40	7.40	8.40	10.20
	Lieutenant	8.95	8.95	9.95	11.15
	Lieutenant-Commander	10.20	10.20	10.70	11.80
	Commander	12.05	12.05	11.15	11.45
	Sub-Lieutenant (From A-Lieutenant)	4.25	4.25	5.40	6.90
	Lieutenant (From A-Lieutenant-Commander)	6.15	6.15	7.15	8.15
	Lieutenant-Commander (From A-Captain)	8.25	8.25	9.40	10.30
	Commander (From A-Captain)	9.95	9.95	10.15	10.95
	Sub-Lieutenant (From A-Lieutenant)	3.85	3.85	5.75	7.10
	Lieutenant (From A-Lieutenant-Commander)	5.45	5.45	6.05	6.45
	Lieutenant-Commander (From A-Captain)	8.10	8.10	9.15	9.80
	Commander (From A-Captain)	9.35	9.35	10.15	10.95

- 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 4720.

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

36/74—Alteration of Lacing of Uniforms, Etc, of RAN and RANR Officers at Melbourne and Sydney—1973-74

1. The prices applicable to alterations effected to RAN and RANR Officers' uniforms, etc, by official contractors, viz, Harry Pollard Pty Ltd, 348 Stanmore Road, Petersham, NSW and Segrave Pty Ltd, 213 George Street, Sydney NSW, during the period 1 August 1973 to 31 July 1974, are detailed in Annexes A and B to this Order.

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

3. Navy Orders 353/71 and 61/72 are hereby cancelled.

ANNEX A

Alteration of Lacing of Uniforms, Etc, 1973-74

	Harry Pollard Pty Ltd		Segrave Pty Ltd	
	Coat, Undress and Jacket, Mess	Shoulder Straps	Coat, Undress and Jacket, Mess	Shoulder Straps
<i>On Promotion to:</i>	\$	\$	\$	\$
Lieutenant	7.10	7.10	8.15	9.99
Lieutenant-Commander	8.40	8.40	9.15	10.85
Commander	9.55	9.55	10.45	11.15
Captain	11.20	11.20	12.80	11.15
Commodore	24.05	—	26.39	—
Rear-Admiral (From Captain)	8.60	—	—	—
Rear-Admiral (From Commodore)	8.35	—	20.40	—
Vice-Admiral (From Rear-Admiral)	8.35	—	26.75	—
<i>With Distinction Cloth Between Lace:</i>				
Lieutenant	7.65	7.65	8.45	10.29
Lieutenant-Commander	8.95	8.95	9.45	11.15
Commander	10.25	10.25	10.75	11.45
Captain	12.05	12.05	13.10	11.45
<i>On Reversion To:</i>				
Sub-Lieutenant (From A/Lieutenant)	4.25	4.25	5.45	6.99
Lieutenant (From A/Lieutenant-Commander)	6.15	6.15	7.75	8.15
Lieutenant-Commander (From A/Commander)	8.25	8.25	9.45	9.30
Commander (From A/Captain)	5.80	5.80	5.45	6.99
<i>With Distinction Cloth Between Lace:</i>				
Sub-Lieutenant (From A/Lieutenant)	5.00	5.00	5.75	7.29
Lieutenant (From A/Lieutenant-Commander)	6.85	6.85	8.05	8.45
Lieutenant-Commander (From A/Commander)	8.70	8.70	9.75	9.60
Commander (From A/Captain)	6.35	6.35	5.75	7.29

ANNEX B

Relacing of Uniforms, Etc, (Removal of Existing Lace and Relacing with all New Lace),
1973-74

	Harry Pollard Pty Ltd		Segrave Pty Ltd	
	Coat, Undress and Jacket, Mess	Shoulder Straps	Coat, Undress and Jacket, Mess	Shoulder Straps
	\$	\$	\$	\$
Sub-Lieutenant	12.95	12.95	16.10	12.50
Lieutenant	16.20	16.20	21.40	14.30
Lieutenant-Commander	19.78	19.78	25.45	15.85
Commander	20.95	20.95	26.77	16.25
Captain	26.20	26.20	30.95	17.95
Commodore	23.95	—	26.71	—
Rear-Admiral	25.80	—	32.05	—
Vice-Admiral	27.90	—	35.05	—
<i>With Distinction Cloth Between Lace:</i>				
Sub-Lieutenant	13.80	13.80	16.40	12.80
Lieutenant	17.00	17.00	21.70	14.60
Lieutenant-Commander	20.55	20.55	25.75	16.15
Commander	21.60	21.60	27.07	16.55
Captain	27.00	27.00	31.25	18.25
Additional cost for letter 'R' to be inserted in the curl of the lace	—	—	2.00	—
Additional cost for Shoulder Flashes 'Australia'	0.95	—	0.90	—

Notes: 1. Segrave Pty Ltd and Harry Pollard Pty Ltd are co-contractors. All official orders are to be placed as far as possible with the contractor offering the lower price.

2. Prices—Segrave Pty Ltd—2½ per cent—30 days, Harry Pollard Pty Ltd—3 per cent—30 days.

(901/66/8)

(Navy Orders 353/71 and 61/72)

UNCLASSIFIED

37/74—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 1973-74, have been 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 \$3 per extra fitting:

Sydney AGCF Representative,
9th Floor, Dymock's Building,
George 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 2600

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

4. Navy Order 426/71 is hereby cancelled.

(901/66/8)

(Navy Order 426/71)

UNCLASSIFIED

38/74—Made-to-Measure Uniforms for RANNS and WRANS Officers and
WRANS at Melbourne and Sydney—1973-74

1. The official contractors for made-to-measure uniforms for RANNS and WRANS Officers and WRANS at Melbourne and Sydney for 1973-74 are listed in the following annexes:

Sydney—Annex A

(RANNS and WRANS Officers and WRANS) Evers and Cohen Pty Ltd, 86-92 Myrtle Street, Chippendale, NSW 2008

(Prices operative during the period 1 August 1973 to 31 July 1974)

Melbourne—Annex B

(RANNS and WRANS Officers and WRANS) I. L. Wise of Melbourne, 360 Lt Bourke Street, Melbourne, VIC 3000

(Prices operative during the period 1 July 1973, to 30 June 1974)

2. The terms of the contracts are as follows:

Evers and Cohen Pty Ltd	..	2½ per cent within 30 days
I. L. Wise of Melbourne	..	2½ per cent within 30 days, 25 per cent of full price deposit.

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.

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

7. Navy Order 354/71 is hereby cancelled.

ANNEX A

Evers and Cohen Pty Ltd, Sydney—Made-to-Measure Uniforms for RANNS and WRANS Officers and WRANS—1973-74

Item	Price
	\$
<i>RANNS Officers—</i>	
COAT, WOMANS, CLOTH, wool, baratheia No 1 (Including distinction cloth):	
Matron	68.65
Superintending Sister	67.70
Senior Sister	63.60
Sister	62.40
COAT, WOMANS, CLOTH, wool, baratheia No 2 (including distinction cloth):	
Matron	67.32
Superintending Sister	66.30
Senior Sister	62.20
Sister	61.00
SKIRT, WOMANS, CLOTH, wool, baratheia No 1	18.86
SKIRT, WOMANS, CLOTH, wool, baratheia No 2	17.95

WRANS Officers—

COAT, WOMANS, CLOTH, wool, baratheia No 1 (including shoulder flashes):	
Chief Officer	68.08
First Officer	67.15
Second Officer	63.05
Third Officer	61.80
COAT, WOMANS, CLOTH, wool, baratheia No 2 (including shoulder flashes):	
Chief Officer	66.68
First Officer	65.75
Second Officer	61.65
Third Officer	60.60
SKIRT, WOMANS, CLOTH, wool, baratheia No 1	18.86
SKIRT, WOMANS, CLOTH, wool, baratheia No 2	17.95

WRANS—

COAT, WOMANS, CLOTH, wool, twill No 1 (including shoulder flashes) ..	44.37
SKIRT, WOMANS, CLOTH, wool, twill No 1	17.65

Price: 2½ per cent—30 days.

ANNEX B

I. L. Wise of Melbourne, Pty Ltd—Made-to-Measure Uniforms for RANNS and WRANS Officers and WRANS—1973-74

Item	Price
	\$
<i>RANNS and WRANS Officers—</i>	
COAT, WOMANS, CLOTH, wool, baratheia No 1	46.00
COAT, WOMANS, CLOTH, wool, baratheia No 2	44.63
SKIRT, WOMANS, CLOTH, wool, baratheia No 1	14.12
SKIRT, WOMANS, CLOTH, wool, baratheia No 2	13.82
Lacing of sleeves of WRANS Officers coats:	
Chief Officer	16.70
First Officer	15.95
Second Officer	14.65
Third Officer	12.80
Lacing of sleeves of RANNS Officers (including distinction cloth):	
Matron	16.70
Superintending Sister	15.95
Senior Sister	14.65
Sister	12.80
<i>WRANS—</i>	
COAT, WOMANS, CLOTH, wool, twill No 1, w/gilt buttons, WO	41.85
COAT, WOMANS, CLOTH, wool, twill No 1, w/gilt buttons, CPO	41.85
COAT, WOMANS, CLOTH, wool, twill No 1, w/gilt buttons, PO	41.98
COAT, WOMANS, CLOTH, wool, twill No 1, w/horn buttons	41.50
SKIRT, WOMANS, CLOTH, wool, twill No 1	13.25
Attachment of shoulder flashes 'Australia'	1.20
Sewing on of medal ribbons	1.20
Sewing on of badges	0.80
(Badges and medal ribbons to be supplied by the individual)	
	(901/66/8)
	(Navy Order 354/71)

UNCLASSIFIED

39/74—Made-to-Measure Uniforms for Sailors, RAN, RANR and NRC at Melbourne, Sydney, Perth and Brisbane—1973-74

1. The official contractors for made-to-measure uniforms for RAN sailors for 1973-74 are:

<i>Sydney</i> ..	Evers and Cohen Pty Ltd, 82-96 Myrtle Street, Chippendale, NSW 2008
	Norman Harris Pty Ltd, 23 Kerr's Road, Lidcombe, NSW 2141
<i>Perth</i> ..	Mr F. Spano, 76 James Street, Perth, WA 6000
<i>Brisbane</i> ..	M. Leiboff and Son, 95 Brunswick Street, Fortitude Valley, QLD 4006
<i>Melbourne</i> ..	Australian Government Clothing Factory, 14 Gaffney Street, Coburg, VIC 3058

2. The prices which will operate during the period 1 August 1973 and 30 June 1974 are listed in Annex A.

3. Terms of the contracts are as follows:

AGCF .. .. .	..	..	Nett FOB/FOR Melbourne
Evers and Cohen Pty Ltd .. .. .	..	2½ per cent—30 days	
Norman Harris Pty Ltd .. .. .	..	Nett	
Harry Pollard Pty Ltd .. .. .	..	5 per cent—30 days	
F. Spano .. .. .	..	Nett	

4. Navy Orders 356/71 and 426/71 are hereby cancelled.

(Navy Orders 356/71 and 426/71)

(901/66/8)

UNCLASSIFIED

41/74—RAN, RANR and NRC Officers' and Chaplains' Made-to-Measure Uniforms at Melbourne, Sydney, Perth and Brisbane—1973-74

1. The official contractors for made-to-measure uniforms for RAN, RANR and NRC Officers and Chaplains for 1973-74 are listed in the following Annexes:

Sydney

Annex A—RAN, RANR and NRC Officers	} Evers and Cohen Pty Ltd, 86-92 Myrtle Street, Chippendale, NSW 2008
Annex B—Chaplains	
Annex C—RAN, RANR and NRC Officers	} Harry Pollard Pty Ltd, 348 Stanmore Road, Petersham, NSW 2049
Annex D—RAN Officers	
Annex E—Chaplains	} Norman Harris Pty Ltd, 23 Kerr's Road, Lidcombe, NSW 2141

Perth

Annex F—RAN, RANR and NRC Officers	Mr F. Spano, 76 James Street, Perth, WA 6000
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Melbourne

Annex G—RAN, RANR and NRC Officers	} I. L. Wise, 360 Little Bourke Street, Melbourne, Vic 3000
Annex H—RAN and RANR Officers	
Annex I—Chaplains	
	} The Australian Government Clothing Factory, 14 Gaffney Street, Coburg, Vic 3058

Brisbane

Annex J—RAN, RANR and NRC Officers	M. Leiboff and Son, 95 Brunswick Street, Fortitude Valley, Brisbane, Qld 4006
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2. Terms of the contracts are as follows:

Evers and Cohen Pty Ltd	2½ per cent—30 days
Harry Pollard Pty Ltd .. .. .	..	..	5 per cent—30 days
Norman Harris Pty Ltd .. .. .	..	..	Nett
Mr F. Spano .. .. .	..	..	Nett
I. L. Wise .. .. .	..	..	2½ per cent—30 days, 25 per cent of full price deposit
Australian Government Clothing Factory .. .. .	..	..	Nett
M. Leiboff and Son .. .. .	..	..	Nett

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

4. Navy Orders 353, 354, 355, 356, 357, 423, 424, 425, 426, 427 and 428 of 1971 together with 61 and 62 of 1972 are hereby cancelled.

ANNEX A

Evers and Cohen Pty Ltd, Sydney—Made-to-Measure Uniforms for Officers—1973-74

Rank	Cloth, Wool, Serge No 2		Cloth, Wool, Baratheia No 2		Cloth, Wool Polyester, Blue	
	Coat, Undress	Jacket, Mess	Coat, Undress	Jacket, Mess	Coat, Undress	Jacket, Mess
RAN—						
Officer (Unlaced)	\$ 52.27	—	\$ 52.97	—	\$ 49.37	—
Sub-Lieutenant	61.27	—	61.97	57.65	58.37	57.65
Lieutenant	65.26	—	65.96	60.64	62.36	60.64
Lieutenant-Commander	68.07	—	68.77	64.45	65.17	64.45
Commander	69.27	—	69.97	65.56	66.37	65.56
Captain	74.78	—	75.18	70.56	71.58	70.56
Commodore	72.20	—	72.90	69.85	69.30	69.85
Rear-Admiral	73.26	—	73.96	70.86	70.36	70.86
Vice-Admiral	77.39	—	78.09	75.00	74.49	75.00
RANR—						
Sub-Lieutenant	62.60	—	63.30	58.98	59.70	58.98
Lieutenant	66.59	—	67.29	61.97	63.69	61.97
Lieutenant-Commander	69.40	—	70.10	65.78	66.50	65.78
Commander	70.60	—	71.30	66.98	67.70	66.98
NRC—						
Sub-Lieutenant	61.89	—	62.59	58.05	58.99	58.05
Lieutenant	65.80	—	66.50	61.86	62.90	61.86
Lieutenant-Commander	68.60	—	69.30	64.87	65.70	64.87

Notes: 1. Addition of attachment of shoulder flashes 'Australia' \$1.00 per coat
 2. Addition of distinction cloth between lace when required \$0.65 per coat
 3. Addition of Decoration and Medal Ribbons (to be supplied by Officer) \$2.00 per coat
 4. Addition of attachment for Aiguillette (to be supplied by Officer) \$2.00 per coat
 5. Permanent pressing of trousers with SI-RO-SET process, for all-wool cloths only \$0.75 per pair

ANNEX A—continued

All Ranks	Cloth, Polyester/Viscose, White	Cloth, Cotton, Marcella	Cloth, Wool, Serge No 2	Cloth, Wool, Baratheia No 2	Cloth, Wool, Polyester, Blue
COAT, MANS, BUSH, POLYESTER/VISCOSE, WHITE (for Commander and above) ..	\$ 28.00	\$ —	\$ —	\$ —	\$ —
COAT, MANS, POLYESTER/VISCOSE, WHITE, OFFICER, with gilt buttons ..	17.90	—	—	—	—
COAT, MANS, POLYESTER/VISCOSE, WHITE, OFFICER, without buttons ..	16.90	—	—	—	—
JACKET, MANS, MESS, POLYESTER/VISCOSE, WHITE, OFFICER, with gilt buttons ..	16.30	—	—	—	—
JACKET, MANS, MESS, POLYESTER/VISCOSE, WHITE, Officer, without buttons ..	15.30	—	—	—	—
TROUSERS, MENS, OFFICER ..	13.00	—	16.20	17.25	14.65
TROUSERS, MENS, OFFICER (with gold lace) ..	—	—	—	56.00	—
TROUSERS, MENS, MESS, OFFICER ..	—	—	—	17.25	—
VEST, MANS, MESS, OFFICER..	14.00	13.26	—	14.40	—

ANNEX B

Evers and Cohen Pty Ltd—Sydney
Made-to-Measure Uniforms for Naval Chaplains, 1973-74

Item	Price
	\$
COAT, MANS, UNDRRESS (without gold lace)—	
Cloth, wool, Serge No 2	52.27
Cloth, wool, Baratheia No 2	52.97
Cloth, wool, Polyester	49.37
TROUSER, MENS, OFFICER—	
Cloth, wool, Serge No 2	16.20
Cloth, wool, Baratheia No 2	17.25
Cloth, wool, Polyester	14.65
JACKET, DINNER—	
Cloth, wool, Baratheia No 2	49.00
Cloth, wool, Polyester	46.70

ANNEX C
Harry Pollard Pty Ltd
Made-to-Measure Uniforms for Officers, 1973-74

Rank	Cloth, Wool, Serge No 2		Cloth, Wool, Baratheia No 2		Cloth, Wool, Polyester, Blue	
	Coat, Undress	Jacket, Mess	Coat, Undress	Coat, Undress, Tail	Jacket, Mess	Coat, Undress
RAN Laced to rank—						
Sub-Lieutenant	\$ 60.50	\$ —	\$ 62.25	\$ —	\$ 57.25	\$ 58.25
Lieutenant	64.25	—	65.95	—	60.75	62.10
Lieutenant-Commander	67.25	—	68.95	—	64.50	65.00
Commander	65.50	—	67.25	—	65.75	65.25
Captain	73.50	—	73.95	—	70.95	70.25
Commodore	71.75	—	72.75	—	68.50	68.50
Rear-Admiral	72.50	—	74.25	—	69.95	69.75
Vice-Admiral	76.40	—	77.95	—	73.50	74.50
RANR—						
Sub-Lieutenant	61.25	—	62.95	—	58.45	59.35
Lieutenant	62.25	—	66.95	—	61.25	63.50
Lieutenant-Commander	67.95	—	69.25	—	65.00	65.75
Commander	69.00	—	70.75	—	66.50	67.25
Naval Reserve Cadets—						
Sub-Lieutenant	60.95	—	62.50	—	56.95	58.75
Lieutenant	65.60	—	67.25	—	60.75	62.50
Lieutenant-Commander	68.25	—	69.75	—	64.15	65.25

ANNEX C—continued

All Ranks	Cloth, Wool, Serge No 2	Cloth, Wool, Barathea No 2	Cloth, Wool/ Polyester, Blue
	\$	\$	\$
TROUSERS, MENS, officer	17.25	17.95	15.75
TROUSERS, MENS, MESS, officer	—	17.95	—
TROUSERS, gold lace	—	53.95	—
VEST, MANS, MESS, officer	—	14.95	—

Note: Permanent pressing of trousers with SI-RO-SET process \$0.70 per pair.

ANNEX D

Norman Harris Pty Ltd—Sydney

Made-to-Measure Uniforms for Officers, 1973-74

All Ranks	Cloth, Wool, Barathea No 2	Cloth, Wool/ Polyester	Cloth, Wool, Serge No 2	Cloth, White, Polyester/ Viscose	Cloth, Cotton, Marcella
	\$	\$	\$	\$	\$
JACKET, MANS, WHITE, BUSH (for Commander and above)	—	—	—	31.75	—
JACKET, MANS, MESS, WHITE, with buttons	—	—	—	17.60	—
JACKET, MANS, MESS, WHITE, without buttons	—	—	—	15.95	—
TROUSERS	17.53	17.75	16.24	13.79	—
COAT, MANS, WHITE, with buttons	—	—	—	20.75	—
COAT, MANS, WHITE, without buttons	—	—	—	19.95	—
VEST, MANS, MESS	13.75	13.85	—	—	12.80
TROUSERS, MESS, UNDRRESS	17.53	17.75	—	—	—
TROUSERS, GOLD LACE	57.85	—	—	—	—
UNDRRESS, TAIL COAT, laced for:					
Captain, RAN	99.20	—	—	—	—
Commodore, RAN	96.00	—	—	—	—
Rear-Admiral, RAN	97.40	—	—	—	—
Vice-Admiral, RAN	99.90	—	—	—	—

- Notes: 1. Addition of distinction cloth between lace when required .. \$0.45 per coat
 2. Addition of decoration and medal ribbons (to be supplied by Officer) \$0.60 per ribbon
 3. Addition of attachments for Aiguillette (to be supplied by Officer) \$1.00 per coat
 4. Permanent pressing of trousers with Si-Ro-Set process .. \$0.70 per pair

ANNEX E

Norman Harris Pty Ltd—Sydney

Made-to-Measure Uniform for Chaplains, 1973-74

Item	Cloth, Wool, Barathea No 2	Cloth, Wool, Polyester	Cloth, Wool, Serge No 2
	\$	\$	\$
UNLACED COAT	56.94	57.75	56.50
TROUSERS	17.53	17.75	16.24
COAT, MANS, DINNER	64.00	64.00	—
TROUSERS, MANS, DINNER	18.00	18.00	—

ANNEX F

Mr F. Spano—Perth

Made-to-Measure Uniforms for RAN, RANR and NRC Officers—1973-74

All Ranks	Cloth, Polyester/ Viscose, White	Cloth, Wool, Serge No 2	Cloth, Wool, Barathea No 2	Cloth, Wool/ Polyester, Blue
	\$	\$	\$	\$
COAT, MANS, WHITE, POLYESTER/ VISCOSE, OFFICER, w/o buttons	16.00	—	—	—
COAT, MANS, UNDRRESS, OFFICER (unlaced)	—	40.00	40.00	38.00
TROUSERS, MENS, Officer	10.00	17.00	17.00	16.00

Notes: Additional costs for:

1. Affixing gold lace:

Rank	Coat, Undress	
	Machine Sewn	Hand Sewn
	\$	\$
Sub-Lieutenant	5.00	5.50
Lieutenant	8.50	9.50
Lieutenant-Commander	9.50	10.50
Commander	11.50	12.50
Captain	13.50	14.50

ANNEX F—continued

Notes: Additional costs for:

2. a. Alteration of lacing consequent upon promotion or reversion:

Rank	Coat, Undress	
	Hand Sewn	
	\$	
Sub-Lieutenant	6.00	
Lieutenant	11.50	
Lieutenant-Commander	11.50	
Commander	13.50	
Captain	15.50	

2. b.

Rank	Shoulder Straps	
	Hand Sewn	
	\$	
Sub-Lieutenant	6.50	
Lieutenant	12.50	
Lieutenant-Commander	12.50	
Commander	14.50	
Captain	16.50	

3. Affixing letter 'R' \$1.50 per uniform
 4. Affixing distinction cloth between lace when required .. \$3.00 per strip
 5. Affixing shoulder flashes 'Australia' on coats \$0.60 per coat

ANNEX G

I. L. Wise of Melbourne

Made-to-Measure Uniforms for RAN, RANR and NRC Officers, 1973-74

All Ranks	Cloth, Wool, Serge No 2	Cloth, Wool, Barathea No 2	Cloth, Wool/ Polyester, Blue
	\$	\$	\$
A. RAN and RANR—			
COAT, MANS, UNDRRESS, OFFICER (unlaced)	45.78	46.98	43.04
JACKET, MESS, OFFICER (unlaced)	—	47.90	—
VEST, MESS, OFFICER	—	12.90	—
TROUSERS, MENS, OFFICER	15.07	15.90	13.19
TROUSERS, MENS, MESS, OFFICER	—	16.43	—
B. NRC—			
Coat, mans, undress, officer (unlaced)	45.78	46.98	43.04
Trousers, mens, officer	15.07	15.90	13.19

ANNEX G—continued

Note: Additional Costs for:

1. Affixing gold lace to Undress Coats and Mess Jackets

	RAN and	
	RANR	NRC
	\$	\$
Captain	20.50	—
Commander	16.70	—
Lieutenant-Commander	15.95	18.95
Lieutenant	14.65	17.65
Sub-Lieutenant	12.80	15.80

2. Sewing on of Distinctive Cloth:

Captain	0.85 cents per coat
Commander	0.70 cents per coat
Lieutenant-Commander	0.50 cents per coat
Lieutenant	0.40 cents per coat
Sub-Lieutenant	0.55 cents per coat
3. Affixing letters 'R' to RANR Uniforms	1.10 per coat
4. Affixing shoulder flashes 'Australia'	1.20 per coat
5. Sewing on of Medal Ribbons (Ribbons to be provided by individual)	1.20 per coat
6. Affixing Gorget Patches to Midshipmens uniform	3.76 per coat

ANNEX H

Australian Government Clothing Factory—Melbourne
Made-to-Measure Uniforms for Officers, 1973-74

Rank	Cloth, Wool, Serge No 2	Cloth, Wool, Barathea No 2			Shoulder Straps (per pair)
	Coat, Mans, Undress, Officer	Coat, Mans, Undress, Officer	Coat, Mans, Undress, Tail, Officer	Jacket, Mans, Mess, Officer	
	\$	\$	\$	\$	\$
Midshipman (with white turn backs)	46.42	47.61	—	93.08	6.93
Sub-Lieutenant	61.10	62.64	—	101.42	11.37
Lieutenant	66.91	68.45	—	107.23	12.73
Lieutenant-Commander	71.85	73.39	—	112.17	13.97
Commander	72.70	74.24	—	113.02	14.14
Captain	78.46	80.00	173.58	118.78	15.57
Commodore	66.11	67.65	161.23	106.43	13.82
Rear-Admiral	72.79	74.33	167.91	113.11	41.21
Vice-Admiral	78.57	80.11	173.69	118.89	44.17

Uniforms for Officers—RANR:

The above schedule of prices is applicable, with the addition of—\$1.38 per garment or per set of shoulder straps for the addition of letter 'R'.

Notes: A. The above prices include the cost of distinction cloth between lace where required.

B. Vice-Admirals, Rear-Admirals and NRC officers do not wear shoulder flashes 'Australia'.

Prices: Nett, FOR/FOB Melbourne.

ANNEX H—continued

All Ranks	Cloth, Polyester/Viscose, White	Cloth, Cotton, Marcella	Cloth, Wool/Polyester Gabardine	Cloth, Wool, Serge No 2	Cloth, Wool, Baratheia No 2
CLOAK, boat	\$ —	\$ —	\$ —	\$ —	\$ 85.70
COAT, MANS, bush, polyester/viscose, white (for Commander and above)	45.90	—	—	—	—
COAT, MANS, polyester/viscose, white, Officer, with gilt buttons ..	23.85	—	—	—	—
COAT, MANS, polyester/viscose, white, Officer, without buttons ..	22.22	—	—	—	—
JACKET, MANS, mess, polyester/viscose, white, Officer, with gilt buttons	26.28	—	—	—	—
JACKET, MANS, mess, polyester/viscose, white, Officer, without buttons	22.75	—	—	—	—
RAINCOAT, MANS, Officer	—	—	37.00	—	—
TROUSERS, MENS, Officer, plain	15.00	—	—	*21.08	*22.51
TROUSERS, MENS, Officer, mess dress	—	—	—	—	*23.86
VEST, MANS, mess, Officer	—	14.51	—	—	23.85

Lace, gold, 3/16" (complete with curl, ready for placing on cuffs) .. \$6.45 per pair

Lace, gold, 1/2" (complete with curl, ready for placing on shoulder straps) \$4.63 per pair

Note: Permanent creasing, by Si-Ro-Set method, of trousers marked * can be effected, if desired, at an additional cost of—\$1.00 per pair.

Prices: Nett, FOB/FOR Melbourne.

ANNEX I

Australian Government Clothing Factory—Melbourne

Made-to-Measure Uniform for Naval Chaplains

Item	Price \$
COAT, MANS, UNDRRESS, black serge cloth (without gold lace)	43.66
COAT, MANS, UNDRRESS, serge No 2	50.00
COAT, MANS, UNDRRESS, baratheia No 2	51.54
TROUSERS, MENS, black serge cloth	21.24
TROUSERS, MENS, serge No 2	21.08
TROUSERS, MENS, baratheia No 2	22.51

ANNEX J

M. Leiboff and Son—Brisbane

Made-to-Measure Uniforms for RAN, RANR and NRC Officers, 1973-74

All Ranks	Cloth, White Polyester/Viscose	Cloth, Wool, Serge No 2	Cloth, Wool, Baratheia No 2	Cloth, Wool/Polyester, Blue
COAT, MANS, UNDRRESS, Officer (unlaced)	\$ —	\$ 61.19	\$ 62.66	\$ 57.79
COAT, MANS, WHITE, polyester/viscose with gilt buttons	24.86	—	—	—
COAT, MANS, WHITE, polyester/viscose without gilt buttons	23.71	—	—	—
TROUSERS, MENS, Officer	14.26	16.93	17.31	14.32

Notes:

- Official orders may be lodged for blue undress uniforms only.
- Additional costs for:
 - Affixing gold lace to coat, undress:

Rank	RAN and RANR	NRC
Sub-Lieutenant per coat	\$ 11.05	\$ 11.05
Lieutenant per coat	16.45	16.45
Lieutenant-Commander per coat	20.77	20.77
Commander per coat	21.84	—
Captain per coat	27.32	—

- Alteration of lacing consequent upon promotion or reversion:

Rank	RAN and RANR	NRC
Sub-Lieutenant per coat	\$ 15.05	\$ 15.05
Lieutenant per coat	20.45	20.45
Lieutenant-Commander per coat	24.77	24.77
Commander per coat	25.84	—
Captain per coat	31.32	—

- Affixing letter 'R' \$2.12 per coat
- Affixing shoulder flashes 'Australia' \$0.70 per coat

(901/66/8)

(Navy Orders 353, 354, 355, 356, 357, 423, 424, 425, 426, 427 and 428/71, and 61 and 62/72)

UNCLASSIFIED

42/74—Uniform and Clothing Issuing Prices—Annual Revision

1. The issuing prices of uniform and clothing have been revised with effect from 1 September 1973. 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 the Navy, 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.

(901/66/8)

Attention of being consequent upon revision of tables.

Rate	Rate	Rate	Rate
11.00	12.00	13.00	14.00
15.00	16.00	17.00	18.00
20.00	21.00	22.00	23.00
24.00	25.00	26.00	27.00
28.00	29.00	30.00	31.00
32.00	33.00	34.00	35.00
36.00	37.00	38.00	39.00
40.00	41.00	42.00	43.00
44.00	45.00	46.00	47.00
48.00	49.00	50.00	51.00
52.00	53.00	54.00	55.00
56.00	57.00	58.00	59.00
60.00	61.00	62.00	63.00
64.00	65.00	66.00	67.00
68.00	69.00	70.00	71.00
72.00	73.00	74.00	75.00
76.00	77.00	78.00	79.00
80.00	81.00	82.00	83.00
84.00	85.00	86.00	87.00
88.00	89.00	90.00	91.00
92.00	93.00	94.00	95.00
96.00	97.00	98.00	99.00
100.00	101.00	102.00	103.00
104.00	105.00	106.00	107.00
108.00	109.00	110.00	111.00
112.00	113.00	114.00	115.00
116.00	117.00	118.00	119.00
120.00	121.00	122.00	123.00
124.00	125.00	126.00	127.00
128.00	129.00	130.00	131.00
132.00	133.00	134.00	135.00
136.00	137.00	138.00	139.00
140.00	141.00	142.00	143.00
144.00	145.00	146.00	147.00
148.00	149.00	150.00	151.00
152.00	153.00	154.00	155.00
156.00	157.00	158.00	159.00
160.00	161.00	162.00	163.00
164.00	165.00	166.00	167.00
168.00	169.00	170.00	171.00
172.00	173.00	174.00	175.00
176.00	177.00	178.00	179.00
180.00	181.00	182.00	183.00
184.00	185.00	186.00	187.00
188.00	189.00	190.00	191.00
192.00	193.00	194.00	195.00
196.00	197.00	198.00	199.00
200.00	201.00	202.00	203.00
204.00	205.00	206.00	207.00
208.00	209.00	210.00	211.00
212.00	213.00	214.00	215.00
216.00	217.00	218.00	219.00
220.00	221.00	222.00	223.00
224.00	225.00	226.00	227.00
228.00	229.00	230.00	231.00
232.00	233.00	234.00	235.00
236.00	237.00	238.00	239.00
240.00	241.00	242.00	243.00
244.00	245.00	246.00	247.00
248.00	249.00	250.00	251.00
252.00	253.00	254.00	255.00
256.00	257.00	258.00	259.00
260.00	261.00	262.00	263.00
264.00	265.00	266.00	267.00
268.00	269.00	270.00	271.00
272.00	273.00	274.00	275.00
276.00	277.00	278.00	279.00
280.00	281.00	282.00	283.00
284.00	285.00	286.00	287.00
288.00	289.00	290.00	291.00
292.00	293.00	294.00	295.00
296.00	297.00	298.00	299.00
300.00	301.00	302.00	303.00
304.00	305.00	306.00	307.00
308.00	309.00	310.00	311.00
312.00	313.00	314.00	315.00
316.00	317.00	318.00	319.00
320.00	321.00	322.00	323.00
324.00	325.00	326.00	327.00
328.00	329.00	330.00	331.00
332.00	333.00	334.00	335.00
336.00	337.00	338.00	339.00
340.00	341.00	342.00	343.00
344.00	345.00	346.00	347.00
348.00	349.00	350.00	351.00
352.00	353.00	354.00	355.00
356.00	357.00	358.00	359.00
360.00	361.00	362.00	363.00
364.00	365.00	366.00	367.00
368.00	369.00	370.00	371.00
372.00	373.00	374.00	375.00
376.00	377.00	378.00	379.00
380.00	381.00	382.00	383.00
384.00	385.00	386.00	387.00
388.00	389.00	390.00	391.00
392.00	393.00	394.00	395.00
396.00	397.00	398.00	399.00
400.00	401.00	402.00	403.00
404.00	405.00	406.00	407.00
408.00	409.00	410.00	411.00
412.00	413.00	414.00	415.00
416.00	417.00	418.00	419.00
420.00	421.00	422.00	423.00
424.00	425.00	426.00	427.00
428.00	429.00	430.00	431.00
432.00	433.00	434.00	435.00
436.00	437.00	438.00	439.00
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448.00	449.00	450.00	451.00
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476.00	477.00	478.00	479.00
480.00	481.00	482.00	483.00
484.00	485.00	486.00	487.00
488.00	489.00	490.00	491.00
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540.00	541.00	542.00	543.00
544.00	545.00	546.00	547.00
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580.00	581.00	582.00	583.00
584.00	585.00	586.00	587.00
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704.00	705.00	706.00	707.00
708.00	709.00	710.00	711.00
712.00	713.00	714.00	715.00
716.00	717.00	718.00	719.00
720.00	721.00	722.00	723.00
724.00	725.00	726.00	727.00
728.00	729.00	730.00	731.00
732.00	733.00	734.00	735.00
736.00	737.00	738.00	739.00
740.00	741.00	742.00	743.00
744.00	745.00	746.00	747.00
748.00	749.00	750.00	751.00
752.00	753.00	754.00	755.00
756.00	757.00	758.00	759.00
760.00	761.00	762.00	763.00
764.00	765.00	766.00	767.00
768.00	769.00	770.00	771.00
772.00	773.00	774.00	775.00
776.00	777.00	778.00	779.00
780.00	781.00	782.00	783.00
784.00	785.00	786.00	787.00
788.00	789.00	790.00	791.00
792.00	793.00	794.00	795.00
796.00	797.00	798.00	799.00
800.00	801.00	802.00	803.00
804.00	805.00	806.00	807.00
808.00	809.00	810.00	811.00
812.00	813.00	814.00	815.00
816.00	817.00	818.00	819.00
820.00	821.00	822.00	823.00
824.00	825.00	826.00	827.00
828.00	829.00	830.00	831.00
832.00	833.00	834.00	835.00
836.00	837.00	838.00	839.00
840.00	841.00	842.00	843.00
844.00	845.00	846.00	847.00
848.00	849.00	850.00	851.00
852.00	853.00	854.00	855.00
856.00	857.00	858.00	859.00
860.00	861.00	862.00	863.00
864.00	865.00	866.00	867.00
868.00	869.00	870.00	871.00
872.00	873.00	874.00</	

UNCLASSIFIED

41/74—Uniform and Clothing Issuing Process—Annual Review

1. The issuing process of uniform and clothing have been revised with effect from 1 September 1973. Copies of the monthly Official Memorandum—Private (1) Issuing, etc. Memorandum (issued to Ship's Comrades), together with copies of the forms covering the annual review have been distributed to all HMA ships and establishments. Further copies may be obtained, if required, in application to the Director of Procurement and General Stores, Department of the Navy, Melbourne.

2. Copies of the issue list to be completed by personnel from this period (private 1) ship's comrades.

3. Details of arrangements made for the supply of non-commercial garments are being promulgated to Navy District ship issued contractors with the issue list. All of the contracts have been distributed to HMA ships and establishments concerned.

4. Further necessary action will being assessed for putting in force.

1973/74

DNLS

RESTRICTED

ANO's 43/74-61/74



AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
8 February 1974.

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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60/74	Transfer of Personnel by Light Jackstay—Allowances of the Hammill Stirrup.
61/74	Warrants Officers—Duties and Responsibilities.

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 4720.

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Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

43/74—Citation of Australian Government Acts

1. Numerous Australian Government Acts have undergone minor drafting amendments by the Statute Law Revision Act 1973.
2. The citations of all Acts so amended have been altered. The correct citations of some Acts of particular concern to the Navy are now as follows:
 - Cockatoo and Schnapper Islands Acts 1949-1973
 - Commonwealth Places (Application of Laws) Act 1970-1973
 - Control of Naval Waters Act 1918-1973
 - Courts-Martial Appeals Act 1955-1973
 - Crimes Act 1914-1973
 - Defence Act 1903-1973
 - Defence (Visiting Forces) Act 1963-1973
 - Geneva Conventions Act 1957-1973
 - Naval Defence Act 1910-1973
 - Statutory Declarations Act 1959-1973
3. Care should be taken, when reference to one of the foregoing Acts is being made in a formal instrument, that the Act is given its correct citation.
4. Navy Order 212/71 is hereby cancelled.

(465/1/2011)

(Navy Order 212/71)

UNCLASSIFIED

44/74—Committee for the Investigation of As-Fitted Documentation for the RAN

1. A steering committee has been formed under the Chairmanship of the Director-General of Naval Design for the purpose of co-ordinating an investigation into current methods for providing and updating support documentation, including As-Fitted/As-Made Drawings and Lists of Equipment, with the view to assessing the needs of the RAN and subsequently introducing modern cost effective documents and procedures.
2. The committee comprises the following members (or their representatives):
 - The Director-General of Naval Design (Chairman),
 - Design Division Directors,
 - Director-General of Naval Production,
 - Director-General of Dockyards and Maintenance,
 - Director of Supply Administration,
 - Director of Methods,
 - General Manager Garden Island Dockyard, and
 - General Manager Williamstown Dockyard.

3. The above committee has approved the formation of a working party with the following terms of reference:

- a. to determine the requirements for As-Fitted Documentation and the extent and presentation of the information;
- b. to determine cost effective means for the preparation or acquisition of As-Fitted Documentation;
- c. to determine cost effective frequency for updating of As-Fitted Documentation; and
- d. to determine responsibility for holding and maintenance of master copy.

4. The working party consists of a representative from DGND, DGNP, GMGID and GMWD and will convene at intervals of approximately one month.

5. The working party may co-opt members from their respective areas or from other authorities as required to assist in investigations.

6. Submissions to the investigations are invited and may be forwarded to a member of the working party. Questionnaires will be distributed to authorities and fleet units as necessary.

7. Members of the working party are to be afforded the utmost co-operation in the discharge of their duties.

(1211/51/891)

UNCLASSIFIED

45/74—Safety Film—'Handle With Care'

1. Two copies of the film 'Handle With Care' are now held by the RAN Film Library.

2. The film is of thirteen minutes duration and contains an opening sequence which shows a succession of accidents resulting from incorrect lifting. This is followed by a series of demonstrations showing the correct techniques. The film points out the main causes of injury and shows how certain key safety factors, if observed, can prevent these injuries from occurring.

(177/1/220)

UNCLASSIFIED

46/74—The RAN Uniform and Clothing Committee

1. The RAN Uniform and Clothing Committee is responsible for considering all proposals concerning:

- a. variations of kits of members; and
- b. the introduction of new items of clothing or uniform, including new materials and alterations to existing items.

2. The membership of the committee comprises:

- Director-General of Personnel Services (Chairman),
- Director of Fleet Supply Duties,
- Director of Victualling and General Stores,
- Representative of Flag Officer Commanding HM Australian Fleet.

The representative of Director of Victualling and General Stores is the Secretary and Executive Member.

3. Additionally, Flag Officer Commanding, East Australia Area, may be invited to be represented at meetings of the committee when such representation is considered appropriate. Other Administrative Authorities may also be invited to send representatives to meetings at which proposals directly affecting their Commands are to be considered.

4. Formal meetings of the committee will normally be convened at intervals of not less than six months, or exceptionally when necessary to consider proposals of major importance. The business of the committee between meetings will be conducted administratively by the Navy Office members.

5. Copies of the agenda and minutes for meetings of the committee will be distributed to Administrative Authorities concerned. Submissions in respect of any items on the agenda may be forwarded by Administrative Authorities to reach the Secretary of the committee not less than seven days before the scheduled date of the meeting.

(8/52/202)

Section 2

PERSONNEL

UNCLASSIFIED

47/74—Baggage Allowance—Service Aircraft

1. The allowances for accompanied baggage for Service personnel transported in RAAF transport aircraft and in aircraft chartered to the RAAF are as follows:

- a. *Normal Baggage Allowance*
The normal baggage allowance permitted to be carried or accompanying all passengers is thirty kilos.
- b. *Excess Baggage Allowance*
(1) Members travelling to and from overseas are authorised fifteen Kilos excess baggage for a total baggage allowance not to exceed forty-five kilos; and
(2) under no circumstances will indulgence passengers be authorised baggage in excess of thirty kilos.

2. Under Australian Aid Programmes, members of the Defence Forces of Malaysia, Singapore and Indonesia attend training courses in Australia and are transported to and from Australia in RAAF transport aircraft. These personnel are authorised fifteen kilos excess baggage for a total allowance not to exceed forty-five kilos. This baggage will accompany the trainees.

3. The following passengers travelling together to a common destination on the same flight and presenting themselves and their baggage at the same time and place, are permitted a total baggage allowance equal to the combination of their individual baggage allowance:

- a. personnel travelling as a family group;
- b. passengers travelling on temporary duty on common travel orders;
- c. unaccompanied passengers travelling on posting or permanent change of unit as a group, on common travel orders; or
- d. unit type movement, eg, Bands.

(187/1/158)

Section 3

OPERATIONAL AND TRAINING

UNCLASSIFIED

48/74—Metric Conversion Training—Policy and Principles

1. In accordance with Paragraph 6 of Navy Order 60/72 the following policy and principles are issued to guide ships and shore establishments of the RAN and civilian branches/establishments in the Department of Defence (Navy Office) when determining training requirements of personnel for conversion to the SI System of Units.

Objective

2. The conversion of all staff to the use of the SI System of Units should match the programme of the Metric Conversion Board which commenced in 1971 and is expected to be completed by 1980. The training objective is that all staff will be familiar with both the present Imperial System and the new SI System by the time the knowledge is to be applied.

Safety

3. Specific action should be taken by heads of branches/establishments to ensure that personnel employed in fields where safety factors and tolerances are prescribed are adequately trained.

Timing

4. In Navy Order 33/74 the promulgation of information by means of the Metric Notes was announced. Details of the timing of the metric conversion programme will be notified by this medium. It should be noted that timings are subject to change as developments occur and care should be taken that the latest programmes are used for planning training needs.

Responsibility

5. Each head of branch/establishment will be responsible to ensure that the training objective is achieved for his staff. Assistance will be provided, when requested, as outlined in the following paragraphs:

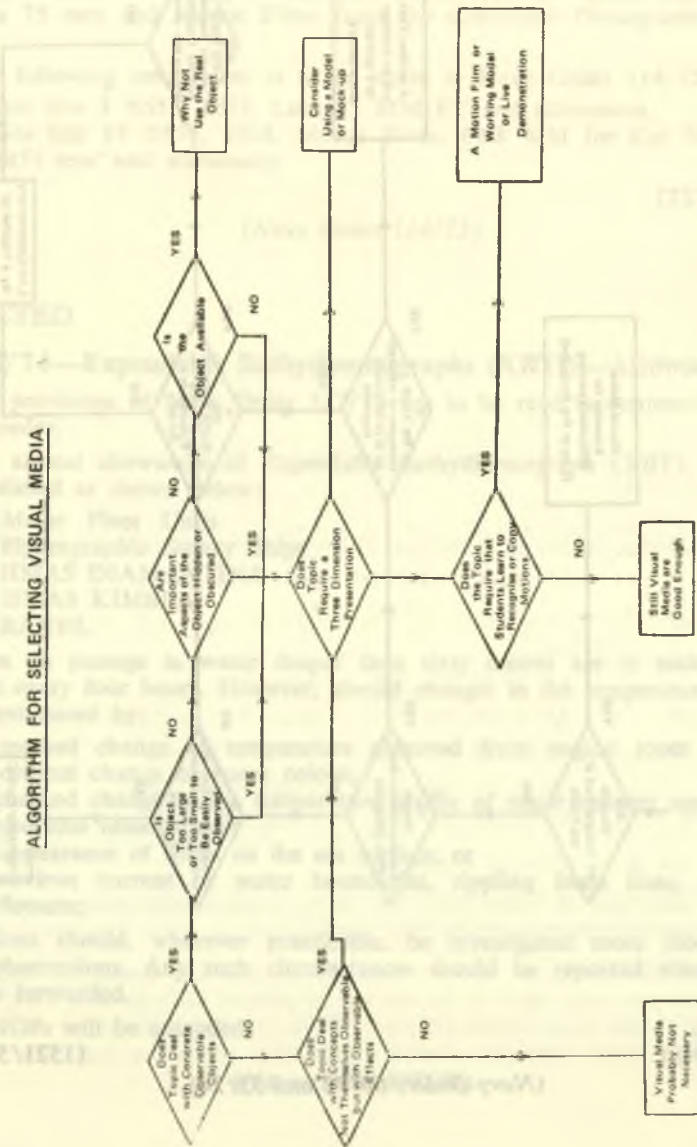
- a. *Naval Personnel (all aspects)*
Director-General of Training (DGT).
- b. *Civilian Personnel*
 - (1) Director of Technical Training (DTT) for the following aspects:
 - provision of general advice and guidance on training for metrication.
 - (2) Director of Personnel and Training (DPT) for the following aspects:
 - (a) provision of formal training courses and related assistance as necessary, and
 - (b) advice on training policies, practices and costs.

External Assistance

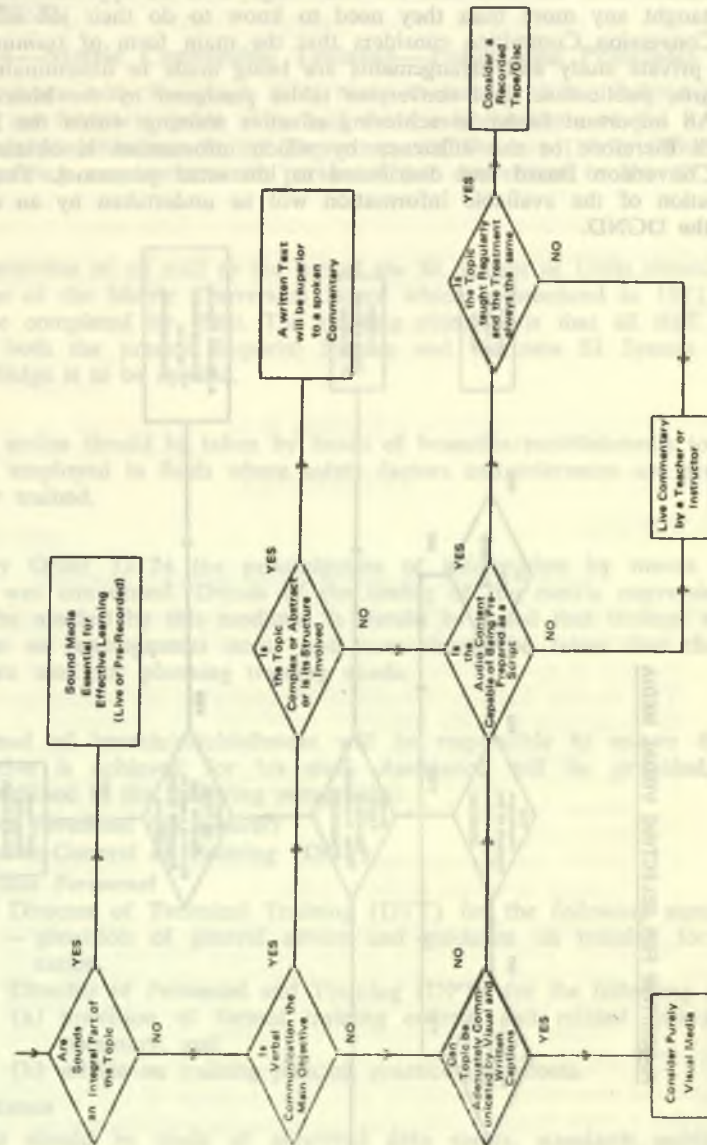
6. Full use should be made of approved data sheets, standards publications, trade literature and commercial conversion aids, as they become available from sources external to the Department as metrication proceeds. These aids tend to reduce or eliminate the need for some training within the RAN Department. The Metric Conversion Board envisages that there will be a wide range of publications and general publicity directed towards the general public. Consequently it will be necessary for heads of branches/establishments to be discerning and selective in the requisitioning of training aids and publications. The algorithms attached will assist in this matter.

Training

7. As generally applies to training courses, formal training should not actually be undertaken until the time that the knowledge is to be applied. Personnel should not be taught any more than they need to know to do their job effectively. The Metric Conversion Committee considers that the main form of training will be by directed private study and arrangements are being made to disseminate the training aids, charts, publications and conversion tables produced by the Metric Conversion Board. An important factor in achieving effective training within the RAN Department will therefore be the efficiency by which information is obtained from the Metric Conversion Board and distributed to interested personnel. The function of dissemination of the available information will be undertaken by an officer of the staff of the DGND.



ALGORITHM FOR SELECTING VERBAL AND SOUND MEDIA



(1521/51/140)

(Navy Orders 60/72 and 33/74)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

49/74—Director Aim Cameras and Accessories

1. 75 mm lenses for Director Aim Cameras are being withdrawn from ships outfits.
2. All HMA ships currently holding 0553/8851 LENS 75 mm F2, and 0553/8948 MOUNT FILTER 61.8 mm are to return these items to the Command Photographic Section, Gunnery Instruction Centre, Woolloomooloo. HMA ships can draw Lens 75 mm and Mount Filter from the Command Photographic Section if required.
3. The following amendment is to be made to Navy Order 114/72:
 - Delete line 3 '0553, 8851, Lens 75 MM F2' and allowances.
 - Delete line 15 '0553, 8948, Mount Filter, 61.8 MM for Cat No 8850 and 8851 lens' and allowances.

(737/52/127)

(Navy Order 114/72)

RESTRICTED

50/74—Expendable Bathythermographs (XBTs)—Allowances

1. The provisions of Navy Order 317/73 are to be read in conjunction with the following order.
2. The annual allowances of Expendable Bathythermograph (XBT) probes have been established as shown below:

a. Major Fleet Units	..	..	..	..	600
b. Hydrographic Survey Ships	..	..	..	..	600
c. HMAS DIAMANTINA	..	..	..	..	1,500
d. HMAS KIMBLA	..	..	..	..	300
e. RANRL	..	..	..	..	1,000
3. Ships on passage in water deeper than sixty metres are to make one XBT observation every four hours. However, should changes in the temperature regime be observed, evidenced by:
 - a. marked change of temperature observed from engine room intakes;
 - b. distinct change of water colour;
 - c. marked change in the temperature profile of water column compared with previous observations;
 - d. appearance of slicks on the sea surface; or
 - e. obvious current or water boundaries, rippling foam lines, or lines of flotsam;

the conditions should, wherever practicable, be investigated more closely with a series of observations. Any such circumstances should be reported when the XBT records are forwarded.

4. RANOPs will be amended.

(Navy Order 317/73)

(1/6655/11)

UNCLASSIFIED

51/74—General Stores—Luting for Use on the Flanges (Flame Barriers) of Flameproof Enclosures

1. 8030-00-TSN-0016 ANTI-SEIZE COMPOUND, at present in use as a luting of the flanges of flameproof enclosures has been found unsuitable for this purpose.

2. The following alternative luting materials are approved for use on flameproof flanges including motors and starters:

Class	Catalogue No	Description	Accig Classn	U/I
9150	66-064-8410	GREASE, GRAPHITE in a 5-lb container	C	LB
8030	00-874-5875	SEALING COMPOUND in a 5-oz tube	C	TU

3. 8030-00-874-5875 SEALING COMPOUND, which is silicone based, shall not be used on equipment for Direct Current applications as its use could lead to migration of the silicone, resulting in damage to commutators and slip rings. For these applications 9150-66-064-8410, GREASE, GRAPHITE, is to be used.

4. Demands for supply of these items for use as required are to be raised on Superintending General Store Officer, Sydney.

(512/80/406)

UNCLASSIFIED

52/74—HMA Ships (Excluding Submarines and HMAS SUPPLY)—Markings of Pipes and Gear Rods

1. As previously promulgated in Navy Orders, the only pipes now identified with colours are as follows:

RED	..	AS K185 No 537	Firemain
YELLOW	..	AS K185 No 356	Main Suction Lines
ORANGE	..	AS K185 No 557	AVGAS Lines
BLUE	..	AS K185 No 104	Fresh Water Lines
BROWN	..	AS K185 No 414	FFO, AVCAT and DISEO LINES

These pipes are to be coloured throughout.

2. Gear rods and all other pipes are to be painted with a top coat appropriate to the compartment through which they pass.

3. Flanges are no longer to be separately marked and distinction between pipes and associated gear rods shall be by the use of printed self-adhesive, PVC label tapes to be affixed in the most visible position. Similarly, the direction of fluid flow is to be indicated by arrow symbols, printed transversely across the four inch width PVC tape.

4. Requirements for the label-tapes should be demanded from SVSO, Sydney—Depot Code 0086, in accordance with the following information:

Service	Class	Catalogue No	Description	Unit of Issue	Accig Class'n
FIRE	7690	66-014-5285	4" WIDE PVC ADHESIVE TAPE	Rolls	Z
SUCTION	7690	66-014-5286	4" WIDE PVC ADHESIVE TAPE	Rolls	Z
DISCHARGE	7690	66-014-5287	4" WIDE PVC ADHESIVE TAPE	Rolls	Z
PRE-WETTING	7690	66-014-5288	4" WIDE PVC ADHESIVE TAPE	Rolls	Z
FLOOD	7690	66-014-5289	4" WIDE PVC ADHESIVE TAPE	Rolls	Z
SEA	7690	66-014-5290	4" WIDE PVC ADHESIVE TAPE	Rolls	Z
BRINE	7690	66-014-5291	4" WIDE PVC ADHESIVE TAPE	Rolls	Z
DRAIN	7690	66-014-5292	4" WIDE PVC ADHESIVE TAPE	Rolls	Z
FRESH (COLD)	7690	66-014-5293	4" WIDE PVC ADHESIVE TAPE	Rolls	Z
FRESH (HOT)	7690	66-014-5294	4" WIDE PVC ADHESIVE TAPE	Rolls	Z
HYDRAULIC	7690	66-014-5295	4" WIDE PVC ADHESIVE TAPE	Rolls	Z
TELE MOTOR	7690	66-014-5296	4" WIDE PVC ADHESIVE TAPE	Rolls	Z
VENT	7690	66-014-5297	4" WIDE PVC ADHESIVE TAPE	Rolls	Z
HP AIR	7690	66-014-5298	4" WIDE PVC ADHESIVE TAPE	Rolls	Z
LP AIR	7690	66-014-5299	4" WIDE PVC ADHESIVE TAPE	Rolls	Z
FFO	7690	66-014-5300	4" WIDE PVC ADHESIVE TAPE	Rolls	Z
LUB OIL	7690	66-014-5301	4" WIDE PVC ADHESIVE TAPE	Rolls	Z
HYD OIL	7690	66-014-5302	4" WIDE PVC ADHESIVE TAPE	Rolls	Z
DIESE	7690	66-014-5303	4" WIDE PVC ADHESIVE TAPE	Rolls	Z
AVCAT	7690	66-014-5304	4" WIDE PVC ADHESIVE TAPE	Rolls	Z
AVGAS	7690	66-014-5305	4" WIDE PVC ADHESIVE TAPE	Rolls	Z
STEAM	7690	66-014-5306	4" WIDE PVC ADHESIVE TAPE	Rolls	Z
FEED	7690	66-014-5307	4" WIDE PVC ADHESIVE TAPE	Rolls	Z
SALT	7690	66-014-5308	4" WIDE PVC ADHESIVE TAPE	Rolls	Z
CHILLED FRESH ARROWS	7690	66-014-5309	4" WIDE PVC ADHESIVE TAPE	Rolls	Z
	7690	66-014-0503	4" WIDE PVC ADHESIVE TAPE	Rolls	Z

5. This policy is mandatory for new construction and is to be implemented progressively in existing ships as components become due for repainting.

(N1211/51/943)

UNCLASSIFIED

**53/74—Machinery Spares—Group 2805—Outboard Motors—
Operation, Care and Maintenance**

1. The attention of all Commanding Officers is directed to the large number of unserviceable outboard motors being returned to the Machinery and Spares Depot, Randwick. Many of these motors are beyond economical repair including some with a relatively short service life.

2. Many of these motors are returned in very poor condition, ie, completely dismantled, or with major and minor parts missing. Lack of care and preventive maintenance in accordance with the makers handbooks and other instructions are also instanced in the more common defects, as follows:

- a. gearboxes seized or working parts rusted through lack of proper lubrication and/or preservation;
- b. water pumps excessively corroded; and
- c. covers and housings cracked and broken.

3. As the incidence of these defects is increasing, the MEOs of all ships and establishments holding outboard motors are to ensure that the proper priority and level of supervision is given to the handling, stowage and maintenance of these costly motors to ensure their reliability in service.

4. Motors flooded by being dropped overboard, those left standing idle for a long period and those being returned for repair must be inhibited in accordance with the instructions given in Annex A.

5. Additionally, when motors are rendered unserviceable, a 'Statement of Unserviceability' is to accompany the motor giving the following details:

- a. date of receipt;
- b. date of unserviceability;
- c. running hours;
- d. if known, cause and extent of damage; and
- e. whether regular planned maintenance was undertaken together with reasons for any major omissions.

Copies of the 'Statement of Unserviceability' are also to be sent to the following:

- a. SMSO, Sydney; and
- b. DFM, Navy Office.

6. Attention is also directed to ABR 4 Articles 1001 and 1017 regarding the return of such items.

7. An Owners Instruction and Maintenance Manual is issued with each outboard motor and additional manuals, if required, are available from the Controller of Publications. The operating instructions contained in these manuals are to be strictly observed.

8. The only accepted maintenance schedules for these motors are issued by the Director of Fleet Maintenance and no other schedules are to be used. Any amendments considered essential to the schedules should be raised on a Form TM146.

Fuel/Oil Mixture

9. a. The service lubricating oil authorised for the 'pre-mixed' petrol/oil mixture is 9150-66-048-1167 OMD 175. The petrol/oil ratio is 50/1 and five gallon drums of 9130-66-056-9982 FUEL PRE-MIXED to the correct ratio are available.
 - b. The service lubricating oil authorised for the 'user/mixed' petrol/oil mixture is 9150-77-048-1170 OMD 45. The petrol/oil ratio is 48/1 and either 'standard' or 'super' commercial grade petrol may be used according to application.
 - c. It is recommended that 'pre-mixed' fuel only be issued for general outboard motor use. It may be expected, however, that under certain circumstances such as particular engines requiring a non-standard mixture or on 'running in', that a limited requirement may arise for OMD 45 and user-mixed fuels.
 - d. The necessity to ensure a good petrol/oil mixture in the correct proportions cannot be over emphasised. Every fuel tank is to be agitated before connecting to the motor.
10. This order does not apply to submarines.
11. Navy Order 421/71 is hereby cancelled.

ANNEX A**Instructions to Inhibit Motors****1. Recovery and Treatment of Outboard Motors Dropped Overboard**

- a. Carry out recovery procedure as laid down in the Operator Manual supplied with the engine or as follows.
- b. If motor is recovered from water immediately it must be serviced within three hours of recovery. If servicing is not carried out, serious damage to the working surfaces of the motor will ensue.
- c. If motor was submerged in salt water it should be thoroughly washed down with fresh water to eliminate any possibility of corrosion taking place.
- d. Remove and dismantle the carburettor and thoroughly clean.
- e. Remove and dismantle all electrical equipment such as magnetos, starter motors, generators, etc, and wash out with fresh water. Thoroughly dry out all the parts in an oven if available. Care should be taken not to overheat.
- f. Place the motor in a horizontal position, ie, spark plug openings downwards and crank over the motor to eject any water that might have entered it.
- g. Pour a small amount of oil into each cylinder and crank over motor to ensure that oil is thoroughly distributed.
- h. Re-assemble all parts and start motor and leave running for at least thirty minutes or if possible longer.
- i. If motor fails to start re-check for presence of water.
- j. If motor still fails to start it should be taken into the repair bay and be completely disassembled to minimise damage to the bearing surfaces, etc.
- k. If motor was running at time of submersion, care should be taken before starting the motor to ensure that no binding which would indicate a bent connecting rod is present.

ANNEX A—continued

1. If there is any possibility of sand having entered the motor no attempt should be made to start it until it has been completely disassembled and thoroughly cleaned out.
2. To Prepare for Storage
 - a. Never place a motor into storage without carrying out the following procedure.
 - b. Operate the motor in a fresh water tank to eliminate the possibilities of salt water crystals forming in the cooling system.
 - c. With the motor running, OMD 175 oil should be injected through the carburettor until the motor stalls. This procedure will ensure that all internal parts of the motor are coated with a protective coating of anti-corrosive oil. Pouring oil into the spark plug holes will not give adequate protection as with a two-stroke motor sufficient oil will not reach the crankcase and the bearing surfaces of the motor.
 - d. After removing the motor from the tank, place in a vertical position and allow all water to drain off. Crank over motor several times to clear cooling system of water.
 - e. Remove plug screws from gearcase and drain. If there are signs of water in the gearcase lubricant, check oil seals and replace if necessary.
 - f. Refill gearcase with recommended lubricant and ensure that plug screws are correctly tightened.
 - g. Inject grease XG 271 into all grease nipples on motor and thoroughly grease all throttle and gearshift linkages.
 - h. Drain fuel from carburettor.
 - i. Drain and flush out fuel tank and fuel lines.
 - j. Store motor in vertical position.

(1/2805/12)

(Navy Order 421/71)

RESTRICTED

54/74—Scale of Small Arms for RAN Ships and Establishments

1. Scales of Small Arms allowed to HMA ships and establishments are listed at Annex A.
2. Navy Order 44/71 is hereby cancelled.

ANNEX A
Table 1—Scale of Small Arms Provided for Ships

HMA Ships	Rifle L1A1	Rifle L2A1	9 mm Fl Sub- machine Gun	9 mm Browning Pistol	Pistol Signal 1½ inch	Pistol Signal 1 inch	Rifles .22 inch	Shot Guns
MELBOURNE	102	10	12	12(a)	10	2	8	4
STALWART	36	4	12	14	4	2	4	2
SUPPLY	40	4	12	12	4	2	4	2
DDGs	35	4	12	12	4	2	4	2
Darings	35	4	12	12	4	2	4	2
River Class DEs	35	4	12	12	4	2	4	2
MORESBY	22	5	9	12	2	2	4	2
DIAMANTINA	22	3	9	12	2	2	4	2
FLINDERS	4	2	—	4	—	—	—	1
Minehunters Coastal (b)	4	2	—	4	—	—	—	1
(c)	8	4	7	4	1	2	—	1
Minesweepers Coastal (b)	4	2	—	4	—	—	—	1
(c)	8	4	7	4	1	2	—	1
BASS	4(e)	2(e)	—	4(e)	—	—	—	1(e)
BANKS	4(e)	2(e)	—	4(e)	—	—	—	1(e)
KIMBLA	4	2	—	4	—	2	—	1
Patrol Boats	4(f)	2(f)	—	4(f)	1	2	—	—
Submarines	—	2(d)	6	—	—	—	—	1
LCHs	4	—	4	2	—	—	—	—
Diving Tenders	2(e)	—	—	2	—	—	—	—
ANZAC	35	4	12	12	4	2	4	2

- Notes: (a) Additional pistols up to a maximum of 90-No (Melbourne) may be carried when necessary to provide for aircrew to fly over enemy territory.
- (b) Normal outfit.
- (c) Outfit when employed on patrol duties.
- (d) One of these rifles to be used for line throwing purposes also.
- (e) Not to be embarked unless specifically ordered.
- (f) Not to be embarked in Reserve Training Patrol Boats unless specifically ordered.

Table 2—Scale of Small Arms Provided for Shore Establishments

HMA Establishments	Rifle L1A1	Rifle L2A1	9 mm FI Sub-machine Gun	9 mm Browning Pistol	Pistol Signal 1 1/2 inch	Pistol Signal 1 inch	Rifles .22 inch	Shot Guns
ALBATROSS	145	9	—	25	10	1	10	2
CERBERUS	360	9	16	40	4	3	10	2
CRESWELL	140	—	—	6	2	3	10	6
HARMAN	25	—	—	5	1	—	10	—
*HUON	30	2	5	5	—	—	10	—
KUTTABUL	15	—	—	2	—	—	—	—
*LEEWIN	650	9	16	25	4	4	10	—
*LONSDALE	50	2	5	5	—	3	10	—
MELVILLE	35	5	5	30	2	—	10	2
*MORETON	50	2	5	5	—	—	10	—
NIRIMBA	110	9	2	6	1	—	10	5
PENGUIN	110	9	5	25	—	3	10	—
RUSHCUTTER	20	—	—	2	—	—	—	—
TARANGAU	60	3	5	5	2	2	10	2
*ENCOUNTER	30	2	5	5	—	—	10	—
*WATSON	110	9	5	25	—	—	10	2

Note: * Allowance is based on use of these small arms by RANR divisions and NRC units carrying out continuous training in those establishments.

(710/51/343)

(Navy Order 44/71)

TABLE 2—Scale of Small Arms Provided for Shore Establishments

TABLE 2

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

55/74—ABR 5011—Correspondence Handbook

ABR 5011 Correspondence Handbook having been superseded by JSP (AS) 102 is now obsolete and is to be disposed of locally. ABR 4 Article 2514 (3) refers.

(N465/12/17)

UNCLASSIFIED

55/74—Handbook for the RAN Medical Store Establishment Allowance List (MVA) System

This Order 55/74 is to be issued as follows:

1. To the RAN Medical Store Establishment

2. To the RAN Medical Store Establishment

3. To the RAN Medical Store Establishment

(Navy Order 55/74)

UNCLASSIFIED

55/74—Medical, Dental and Dental Treatment of Families of United Kingdom Personnel in Australia

This Order 55/74 is to be issued as follows:

1. To the RAN Medical Store Establishment

2. To the RAN Medical Store Establishment

3. To the RAN Medical Store Establishment

claims are to be forwarded to the Command Medical/Dental Officer East Australia Area. Advances of 90 per cent of a medical/dental account may be made to meet medical and dental expenses of their families where the expenditure is for more than \$100 subject to the following conditions:

- (1) each advance shall be approved by the departmental officer with the necessary authority to approve the expenditure; and
- (2) each advance is to be adjusted within twenty-eight days subject to any extension granted by the Director, Commonwealth Sub-Treasury, in the State in which the advance is made.

c. All doubtful claims and those in which fees are in excess of those set out in this order are to be referred to the Medical Director-General.

(156/51/23)

(Navy Order 206/73)

UNCLASSIFIED

59/74—Refrigerated Appliances for Use on HMA Ships—Scale of Allowances

Annex A of Navy Order 226/73 is to be amended as follows:

Add new Sub-paragraph:

1.4 The scales of allowances are for ships compliment only. Depot ships and vessels catering for ships alongside will be subject to individual requirements.

(1/4100/3)

(Navy Order 226/73)

UNCLASSIFIED

60/74—Transfer of Personnel by Light Jackstay—Allowances of the Hammill Stirrup

Navy Order 352/73 is to be amended as follows:

Paragraph 3:

delete '2090-66-037-4233'
insert '2090-66-037-5233'.

(177/1/52)

(Navy Order 352/73)

UNCLASSIFIED

61/74—Warrant Officers—Duties and Responsibilities

Navy Order 438/72 is to be amended as follows:

Paragraph 3a:

Under 'Administrative and Managerial' insert:

'Certification of claims for payment, Form FA119, for stores or services received (Stores Branch only).

Certification of accounts on Forms FA220, FB100 and FA119 as regards rate of charge and faithful performance.'

(303/1/105)

(Navy Order 438/72)

AMENDMENTS

UNCLASSIFIED

56/74—Diesel Engines—Inhibition of Cooling Water
Navy Order 342/73 is to be amended as follows:

Annex A, Paragraph 4.c.

Details of Test Report are amended to read:

- 6530-66-036-7431 Test Report, Broad Range, PH Range 1-14 in 1.00 stage.
- 6530-66-036-7434 Test Report, Narrow Range, PH Range 6-8-10 in 0.50 stage.
- 6530-66-036-5089 Test Report, Short Range, PH Range 8-9-2 in 0.50 stage.

Annex B, Paragraphs 2.c. and 3.

Delete DSN 6530-66-036-5082 and insert:
6530-66-036-5907.

(801/1/62)

(Navy Order 342/73)

UNCLASSIFIED

57/74—Introduction to the RAN Shipboard/Share Establishment Allowance List (RANSAEL) System

Navy Order 321/73 is to be amended as follows:

Annex B, Paragraph 31.

Delete 'Depot Code 3819)

insert 'Depot Code 0080)'.
(1602/1/66)

(Navy Order 321/73)

UNCLASSIFIED

58/74—Medical, Hospital and Dental Treatment of Families of United Kingdom Personnel in Australia

Navy Order 206/73 is to be amended as follows:

Delete Paragraph 31 and insert new Paragraph 31 as follows:

31. a. Claims are to be treated as confidential and supported by receipts and statements showing the information required in accordance with Paragraph 2. Claims by United Kingdom civil personnel are to be treated direct to the Medical Director-General, Department of Defence (Navy Office), Victoria Barracks, Melbourne 3004, who will assess and authorise payments.

b. Royal Navy Loan and Exchange Personnel. Claims are to be certified as to correctness by the Naval Medical/Dental Officer and processed and paid by the HMA ships and establishments in the normal manner. Where a Naval Medical/Dental Officer is not borne

RESTRICTED

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claims are to be forwarded to the Command Medical/Dental Officer East Australia. Advances of 90 per cent of a medical/dental account may be made to meet medical and dental expenses of their families where the expenditure is for more than \$100 subject to the following conditions:

- (1) each advance shall be approved by the departmental officer with the necessary authority to approve the expenditure; and
 - (2) each advance is to be released within twenty-eight days subject to any extension granted by the Director Commonwealth Sub-Treasury in the State in which the advance is made.
- c. All doubtful claims and those in which loss are in excess of three per cent in this order are to be referred to the Medical Director General.

(136/2121)

(Navy Order 220/73)

UNCLASSIFIED

29/74—Redeemed Appliances for Use on HMA Ships—Scale of Allowances

Annex A of Navy Order 220/73 is to be amended as follows:

Add new Sub-paragraph:

1.4 The scale of allowances for the ships complement only, light ships and vessels carrying for extra strength will be subject to individual requirements.

(144/0023)

(Navy Order 220/73)

UNCLASSIFIED

60/74—Transfer of Personnel by Light Tugs—Allowances of the Transferee

Navy Order 221/73 is to be amended as follows:

Paragraph 2:

delete "2000-66-017-423"
insert "2000-66-017-823"

(177/122)

(Navy Order 221/73)

UNCLASSIFIED

61/74—Warrant Officers—Duties and Responsibilities

Navy Order 438/73 is to be amended as follows:

Paragraph 2:

Under 'Administrative and Managerial Duties' insert:
'Certification of claims for payment, Form FA119, for stores or services received (Stores Branch only).'
Certification of accounts on forms FA220, FA100 and FA119 as regards rate of charge and faithful performance.'

(203/1107)

(Navy Order 438/73)

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DNLS

ANOs 62/74-74/74



AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
13 February 1974.

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 2—PERSONNEL
- 62/74 Attendance of RAN Personnel at Civil Defence Training School.
- 63/74 RAN College Timetable—1974.
- 64/74 Selection and Academic Training of Sailors and WRANS for Commissioned Rank.

SECTION 3—OPERATIONAL AND TRAINING

- 65/74 Course No 901124—Tracker Weapons Officer Course.
- 66/74 Course No 901125—RAN Air Warfare Instructor (AWI) Course.
- 67/74 Survival Swimming—Drownproofing—Aircrew.
- 68/74 Swimming Test.

SECTION 4—EQUIPMENT, STORES AND SERVICING

- 69/74 Fire Control MRS 3—Rebalancing of Direction Gyro Units Mark 2.
- 70/74 Fire Precautions—Replacement of 'Pre-mix' Foam Fire Extinguishers.
- 71/74 HMA Shore Establishments—Supply and Maintenance of Miscellaneous Appliances and Equipment.

SECTION 7—CANCELLED LIST

- 72/74 McNicholl Trophy.

AMENDMENTS

- 73/74 General Stores—Revised Allowances 5180-66-032-6356 Kit, Electronic Repair and Maintenance.
- 74/74 Shipment of Stores—HMA Ships Deployed Overseas.

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 4720.

Section 2

PERSONNEL

UNCLASSIFIED

62/74—Attendance of RAN Personnel at Civil Defence Training School

1. RAN personnel sponsored by their State Director of Civil Defence to attend training courses, other than Service courses, at the Mt Macedon Civil Defence School are regarded as being on duty during the period necessary for attendance at the school.

2. Members who attend courses at their own request without official sponsorship are required to apply for leave to undertake the training. Attendance at courses in such circumstances would not normally attract an entitlement to compensation or allowances.

(N312/1/151)

UNCLASSIFIED

63/74—RAN College Timetable—1974

1. The Naval Board have approved the following Royal Australian Naval College timetable for 1974:

<i>UNSW deferred examinations</i> ..	29 January-9 February	
<i>UNSW sessions</i>	4 March to 15 June with one week break 19-26 May 22 July to 2 November with one week break 25-31 August	
<i>RANC sessions (for class 1D)</i> ..	25 February to 14 June with two week break 3-20 May 15 July to 1 November with two week break 23 August-9 September	
<i>Academic terms</i>	29 January-2 May; 21 May-22 August; 10 September-5 December	
JANUARY	Tuesday 22—New Entry Cadets join Tuesday 29— ACADEMIC TERM (fourteen weeks) BEGINS	
MARCH	Friday 12—Good Friday Sunday 14—Easter Day Monday 15—Easter Monday Friday 26—Study Board meets	} public holidays
MAY	Thursday 2— TERM ENDS at 1540 Tuesday 21— TERM 2 (fourteen weeks) BEGINS	
JULY	Friday 5—Study Board meets Friday 16—Study Board meets Thursday 22— TERM ENDS at 1540	

SEPTEMBER Tuesday 10—TERM 3 (thirteen weeks)
 BEGINS
 OCTOBER Monday 7—Eight hour day public holiday
 NOVEMBER Friday 29—Study Board meets
 DECEMBER Thursday 5—PROMOTION DAY

ACADEMIC YEAR ENDS

Friday 6—Cadets proceed on leave

2. Navy Order 343/72 is hereby cancelled.

(310/1/69)

(Navy Order 343/72)

UNCLASSIFIED

64/74—Selection and Academic Training of Sailors and WRANS for Commissioned Rank

Introduction

1. The regulations governing the nomination and selection of sailors 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 and July 1972.

3. There are many sailors 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

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 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:

- Full name, rank, personal number, date of birth.
- List, Branch (and category where applicable) for which recommended.
- 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
- Service educational qualifications including exemptions awarded as a result of an earlier submission.
- Confirmation that the sailor or WRAN is a volunteer and is medically fit for the promotion avenue recommended in b.
- Confirmation that application for security clearance is forwarded as an attachment to the letter of nomination.
- 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:

- the nominee is no longer recommended; or
- 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 Annex A to this order.

15. *Supplementary List.* No prerequisites but see Annex B.

16. *Special Duties List.* Minimum rank—confirmed Leading Sailor. Maximum ages for promotion are shown in RI Chapter 5.

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 prerequisites to be achieved, of his likelihood of success in achieving these prerequisites, and of any detrimental aspects which may be within his ability to correct. Restriction of officer candidature to those personnel who possess the requisite personal qualities and potential will enhance the status of the OC and will ensure that the administrative effort necessary to foster such candidates is concentrated on those most capable of achieving their goals. It is emphasised, however, 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 or SLEN officers, and Junior Recruits who are considered to be potential GL or SL officers are to appear before Initial Selection Boards convened at HMAS CERBERUS, NIRIMBA or LEEUWIN as detailed in Annex 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 prior to 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, or, for WRANS nominees, a First Officer WRANS or above. 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 ISB's written reports in accordance with Paragraph 25 b, 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, Vol 2, Article 3048. Periodical reports on Form PP121 are then to be forwarded in accordance with the instructions on Form PP120.

28. *Re-nominations.* Sailors and WRANS 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, Vol 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 OC's 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 prerequisites for promotion to commissioned rank.

36. The SGCE course will normally comprise 25 candidates and the ratio of SD, SL and WRANS officer candidates will be determined by Navy Office prior to each course.

37. The Preparatory Courses Selection Board, comprising DNES, DMP, DSP and D/PSYCH, 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 sailors and WRANS 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. Any vacancies in course numbers will be filled by recommended Junior Recruits who have passed the LEEUWIN ISB as detailed in Annex 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 Leaving/Matriculation examinations.

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 Annex A to this order.

41. SLEN officer candidates must meet the following prerequisites to be eligible for selection:

- a. *Age limits.* To be under twenty-two years on 1 January of the year of commencement of the matriculation course.
- b. *Minimum education prerequisites.* Academic level 7 (4 SGCE/HET passes or exemptions including English and a Mathematics subject).
- c. *Re-engagement provisions.* These are applicable.

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 prerequisites 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 245/72 is hereby cancelled.

ANNEX 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 Annex for the nomination and selection of OCGL from Junior Recruits, Adult Recruits and Apprentices. These provisions are limited to the training establishments LEEUWIN, NIRIMBA and CERBERUS. Provision is also made for the selection of SLEN Officer Candidates from Junior Recruits, Adult Recruits and Apprentices. The educational prerequisites required for Fleet SLEN candidates as in Paragraph 41 b are not applicable to these sailors.

2. In addition, provision is made for the nomination and selection of Junior Recruits as Supplementary List Officer Candidates and for their inclusion 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 and OCSLEN are as follows:

- a. OCGL to be aged under eighteen years on 1 January of the year in which nominated, and OCSLEN to be aged under twenty-two years on 1 January of the year of commencement of the matriculation course;
- b. to be considered potential GL or SLEN officers 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, OCSLEN to be medically fit for promotion to the Engineering Branch.

Matriculation Preparatory Course

4. Selected OCGL and OCSLEN will undertake the matriculation preparatory course in LEEUWIN. The course is of approximately eighteen months duration, and commences annually on the second Monday in July.

General List and Supplementary List (Engineering) Officer 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 and SLEN from terms 1 and 3 of the January intake and term 2 of the July intake;
- b. a list of selected OCGL and OCSLEN 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, Vol 2, Article 3048;
- d. applications for security clearance are to be forwarded to Navy Office as enclosures to Forms PP121.

ANNEX 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. Names 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, Vol 2, Article 3048;
- (4) applications for security clearance are to be forwarded to Navy Office as enclosures to Forms PP121.

b. On completion of September Term Academic Examinations:

- (1) an ISB is to be convened to interview potential GL candidates;
- (2) a list of recommended personnel in order of preference is to be signalled to Navy Office on completion of the ISB. The list should include earlier nominees who have failed to gain selection for the current GL course and who are still recommended for selection;
- (3) OC papers (Forms PP120) are to be raised for recommended personnel; Forms PP121 are to be forwarded to reach Navy Office by 15 October;
- (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.

c. On completion of November Term Academic Examinations:

- (1) an ISB is to be convened to interview potential SL candidates;
- (2) a list of recommended personnel in order of preference is to be signalled to Navy Office on completion of the ISB;
- (3) OC papers (Forms PP120) are to be raised for recommended personnel; Forms PP121 are to be forwarded to reach Navy Office by 15 December;
- (4) applications for security clearance are to be forwarded to Navy Office as enclosures to Forms PP121.

ANNEX A—continued

CERBERUS

7. The following is the nomination procedure in respect of potential GL and SLEN 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 Annex;
- b. names of recommended OCGL and OCSLEN 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, Vol 2, Article 3048;
- 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 and OCSLEN 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 and OCSLEN 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 and OCSLEN recommendations after the September Term Academic Examinations (*see* Paragraph 6 b of this Annex), further selections will then be made to join the courses which commenced 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 candidatures cancelled or altered to the SL avenue by LEEWIN not later than the completion of JR training. Junior Recruits who are nominated as OCSLEN but who fail to gain selection for the matriculation course during JR training will remain eligible for OCSLEN, but will require the academic prerequisites vide Paragraph 41 b to be eligible for a later matriculation course.

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. Apprentices who are nominated as OCSLEN, but who fail to gain selection for the matriculation course during Apprentice training, will remain eligible for OCSLEN but will require the academic prerequisites vide Paragraph 41 b to be eligible for a later matriculation course.

ANNEX A—continued

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. Adult Recruits who are nominated as OCSLEN, but who fail to gain selection for the matriculation course on the first occasion they are considered, will remain eligible for OCSLEN, but will require the academic prerequisites vide Paragraph 41 b to be eligible for a later matriculation course.

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 were 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.

**ANNEX B
Requirements for Promotion to Commissioned Rank**

Requirement	General List		Supplementary List		Special Duties List				WRANS Officer Board
	RANC Board	RANC Board	EN	SEA, AIR, SU	EN, SHIP	SEA, AV	SU, W/M, W/D, BD, NP	WRANS Officer	
Final Selection Board	RANC Board	RANC Board	RANC Board	SL Board	SD FSB	SD FSB	SD FSB	SD FSB	WRANS Officer Board
Professional Qualifications	NA	NA	NA	NA	See RI Ch 5	See RI Ch 5	See RI Ch 5	See RI Ch 5	Promotion Course
VG Conduct	NA	NA	NA	NA	See RI Ch 5	See RI Ch 5	See RI Ch 5	See RI Ch 5	NA
Sea Service	NA	NA	NA	NA	See RI Ch 5	See RI Ch 5	See RI Ch 5	See RI Ch 5	NA
Minimum Rank	NA	NA	NA	NA	See RI Ch 5	See RI Ch 5	See RI Ch 5	See RI Ch 5	NA
Age on Promotion	20 or under on 1 JAN of RANC entry	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 Ch 5	See RI Ch 5	See RI Ch 5	See RI Ch 5	21 or over but under 31 on promotion
Medically Fit	E, L, SU or IT	E, L, SU or IT	E	Yes	Yes	Yes	Yes	Yes	Yes
Academic	Matriculation	Matriculation	See Note 1	AL 7 (Notes 2 and 3)	AL 8 (Notes 2 and 3)	AL 7 (Notes 2 and 3)	AL 6 (Notes 2 and 3)	AL 5 (Notes 2 and 3)	Yes
Eligible for Matriculation Course (Prereq. if any)	Yes	Yes	AL 7 (Notes 2, 3 and 4) under 22 on 1 JAN of matriculation course year	No	No	No	No	No	No
Eligible for SGCE Course	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes

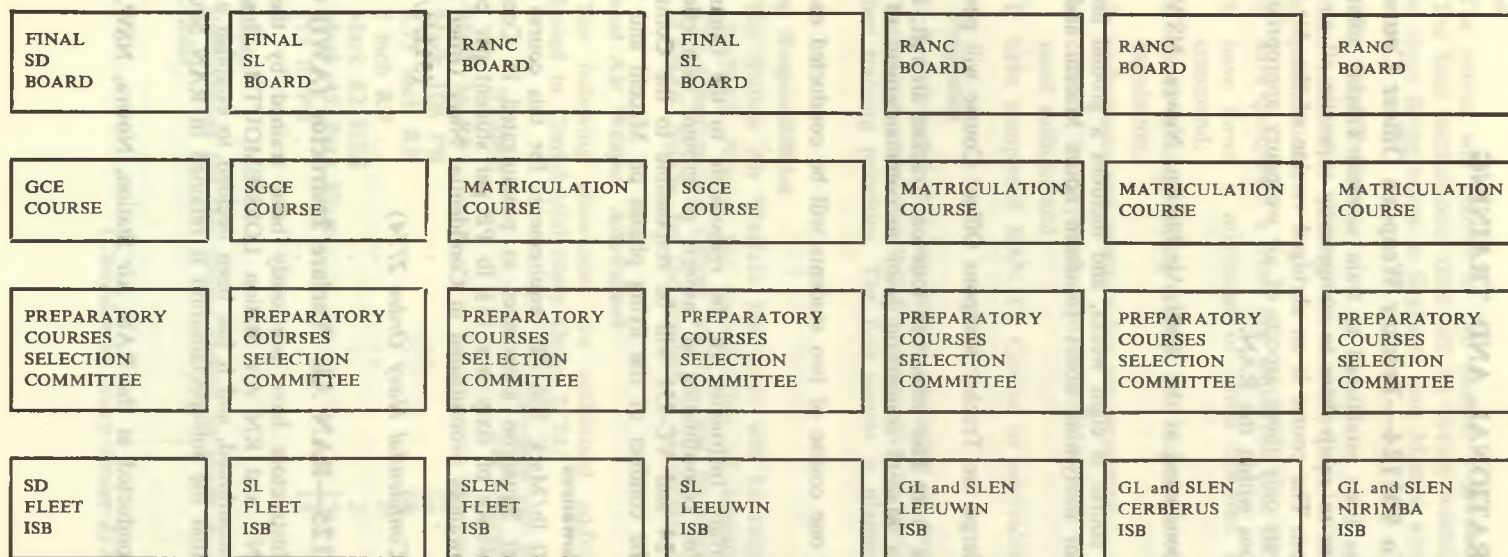
Requirements for Promotion to Commissioned Rank

Requirement	General List	Supplementary List		Special Duties List			WRANS Officer
		EN	SEA, AIR, SU	EN, SHIP	SEA, AV	SU, WM, WD, BD, NP	
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	Able Rank

- 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. AL 7 not required for Junior Recruits, Adult Recruits and Apprentices nominated as OCSLEN in accordance with Paragraphs 5, 6 and 7 of Annex A, and selected for the matriculation course in accordance with Paragraph 10 of Annex A.

ANNEX C

Sequence in Process of Selection of Sailors and WRANS for Commissioned Rank



Note: Sailors and WRANS who are academically qualified, and who meet all other criteria for promotion, will appear before Final Boards after passing ISB.

(303/21/171)

(Navy Order 245/72)

Section 3

OPERATIONAL AND TRAINING

RESTRICTED

65/74—Course No 901124—Tracker Weapons Officer Course

1. The above course has been established to train selected Tracker pilots in air weaponry to a level sufficient to equip them to competently supervise all air weapon matters within their squadron. The course is an abridged version of the Air Warfare Instructors Course, and covers only those aspects of air weaponry appropriate to the concept of Tracker operations within the RAN.

Location

2. The course will be conducted at the RAN Air Station, Nowra, NSW.

Duration

3. The duration of the course is eight weeks, and includes a ground instruction phase and a flying phase of thirty-nine hours (nineteen hours Macchi and twenty hours Tracker).

Prerequisite Qualifications

4. Pilots selected to undergo the Tracker Weapons Officer Course will possess the following qualifications:

- have completed a front line embarked tour on Tracker aircraft; and
- have completed a Macchi conversion prior to commencement of course.

Course Frequency

5. It is anticipated that one course of two students will be conducted each year, commencing in late 1974.

Training Responsibilities

6. The Station Air Warfare Instructor will be responsible to the Commanding Officer, RANAS, Nowra, for co-ordinating all aspects of ground instruction. The Commanding Officers VC-724 and VC-851 will be responsible to the Commanding Officer NAS, Nowra, for the conduct of the flying phases on Macchi and Tracker aircraft respectively.

Additional Air Weapon Allowances

7. 2.75 inch RP and 10 lb/Mark 106 PB requirements for this course will be taken from existing Tracker Squadron allowances as promulgated in Confidential Navy Order 2/74. An allowance of sixty-four 11½ lb PB per student per course is authorised additional to allowances promulgated in Confidential Navy Order 2/74.

(311/1/153)

(Confidential Navy Order 2/74)

RESTRICTED

66/74—Course No 901125—RAN Air Warfare Instructor (AWI) Course

1. RAN Air Warfare Instructors have previously been trained by the Royal Navy, at HMS EXCELLENT and RN Air Station LOSSIEMOUTH. This course of training has now been discontinued, and it has been decided to establish a similar course within the RAN so that the sub-specialisation is retained in RAN Squadrons.

Location

2. The course will be conducted at the RAN Air Station, Nowra, NSW.

Duration

3. The course will consist of two phases, a ground school phase and a flying phase. The total instructional time will be twenty weeks, and will include one hundred and three flying hours in Skyhawk and Macchi aircraft.

Prerequisite Qualifications

4. Pilots selected to undergo the Air Warfare Instructor Course will possess the following qualifications:

- have completed a front line embarked tour on A4G or equivalent aircraft;
- have flown a minimum of seven hundred and fifty hours as pilot in command;
- above average flying ability and Squadron Commanding Officer recommendation;
- enthusiasm and aptitude for air weaponry;
- currency in Skyhawk and Macchi aircraft and hold appropriate instrument ratings; and
- have completed RAN IT Course or equivalent.

Course Frequency

5. It is anticipated that one course consisting of two AWI students will be conducted every two years, but this frequency may be varied according to requirements and other training priorities. The first course is planned to commence on 8 April 1974.

Training Responsibilities

6. The Station Air Warfare Instructor will be responsible to the Commanding Officer, RANAS, Nowra, for co-ordinating all aspects of the ground instruction phase. The Commanding Officer VC-724 will be responsible to the Commanding Officer, RANAS, Nowra, for the conduct of all aspects of the flying phase.

Additional Air Weapon Allowances

7. The following allowances are authorised additional to current allowances promulgated in Confidential Navy Order 2/74:

Weapon	Allowance per Student per Course	Staff Allowance per Course
Mark 76 PB	46	37
Mark 106 PB	32	26
2.75 inch RP	66	53
5 inch RP	6	5
Mark 82 HES	2	2
Mark 45 Para Flare	15	12
11½ lb PB	15	12

Nominations

8. Nominations for this course should be made as soon as possible after receipt of this order.

(311/1/153)

(Confidential Navy Order 2/74)

UNCLASSIFIED

67/74—Survival Swimming—Drownproofing—Aircrew

1. The swimming technique known as Drownproofing is to be adopted for aircrew survival training in lieu of the present survival swimming.

2. Aircrew are to qualify in accordance with the following standards and are to requalify annually:

- a. Drownproof for ten minutes;
- b. travel twenty-five metres through the water using the travelstroke;
- c. swim twenty-five metres in an inflated lifejacket;
- d. demonstrate the ability to give artificial respiration both in the water (the victim being supported by a lifejacket), and on the land.

3. Details of Drownproofing are contained in Supplement 1 to ABR 5102 Survival Manual, and artificial respiration techniques are promulgated in Navy Order 151/72 'Rescue and Resuscitation in the Royal Australian Navy'.

(311/4/200)

(Navy Order 151/72)

UNCLASSIFIED

68/74—Swimming Test

1. The PST standard will in future be aligned with the Royal Lifesaving 'Swimming for Survival Test'. New entry establishments are to adopt this as the standard for all future tests.

2. Annexes A and B give test details and Rules for 'Survival'.

3. RI Article 3714 and the reference in ABR 27 will be amended.

ANNEX A**Survival Swimming Test**

1. The test is to be carried out with the candidate dressed in No 8 action working dress.

Sequence

2. a. Answer questions on 'Rules for Survival'.
- b. Perform a safe jump from a height not greater than six feet above the surface of the water.
- c. Plunge and swim ten metres underwater.
- d. Tread water for two minutes in a horizontal position.
- e. Swim two hundred metres:
 - (1) fifty metres at a steady speed, using any stroke;
 - (2) fifty metres breast stroke (slowly);
 - (3) fifty metres backstroke (arms underwater);
 - (4) fifty metres sidestroke.

ANNEX A—continued

- f. Undress in the water, slowly.
- g. Swim a further two hundred metres (unclothed):
 - (1) fifty metres breaststroke;
 - (2) fifty metres backstroke (arms underwater);
 - (3) fifty metres sidestroke;
 - (4) fifty metres any stroke.

ANNEX B**Rules for Survival**

1. A swimmer may remain on the surface of the water easily and for long periods if he observes the following rules:

- a. **KEEP THE BODY AS HORIZONTAL AS POSSIBLE.** This helps flotation and makes progress easier.
- b. **KEEP THE BODY AND LIMBS SUBMERGED AS MUCH AS POSSIBLE.** This takes advantage of natural buoyancy, which is sufficient to keep the face out of the water with very little effort. The weight of any other part of the body can only be maintained above the surface by extra effort.
- c. **TO ATTRACT ATTENTION.** Lie back in the water and raise one arm. To adopt an upright position with both arms raised will cause the face to submerge.
- d. **SWIM WITH SLOW RELAXED STROKES.** This conserves strength and increases endurance.
- e. **FREQUENTLY CHANGE POSITION AND STROKE.** Such changes aid muscular relaxation and if practised will increase endurance, confidence and the ability to cope with changing circumstances.
- f. **KEEP THE EYES OPEN AT ALL TIMES.** Because normal people rely so much on the ability to see, closing the eyes in unusual surroundings, as in the water, causes lack of confidence and even fear, although this may not be realised by the person concerned. This causes tenseness and fatigue and in extremity may lead to panic.
- g. **BREATHE REGULARLY.**
- h. **AVOID PANIC.** Even if you are exhausted or suffering from cramp or some other difficulty it is still possible to remain afloat for long periods.

(311/4/200)

Section 4**EQUIPMENT, STORES AND SERVICING**

UNCLASSIFIED

69/74—Fire Control MRS 3—Rebalancing of Direction Gyro Units Mark 2

1. It has been found possible to rebalance Mark 2 gyro units in situ when the only defect is that of out-of-tolerance wander rates.

2. It has been decided that the rebalancing will be carried out by specially trained Dockyard personnel.

3. From the date of this order, whenever a rebalance of a Mark 2 gyro unit is required it is to be requested by an URDEF action.

4. A rebalance of the gyro should only be requested if monthly records (obtained during MRS 3 Maintenance Schedule 3802, M 5) show a steady increase as opposed to a sudden increase in gyro wander rate. When the wander rate exceeds sixty mins per min a rebalance of the gyro should be arranged, but until this is done the wander rate should be removed using the adjustment available on the Precession Power Amplifier.

5. Ships planned to leave Australian waters with a wander rate in excess of forty-five mins per min should request a rebalance before deployment.

6. A notation of the rebalance is to be made in Ships Master Index and the gyro case marked thus:

Rebalanced			
Date			
Figures Achieved—	Lat	Elev.	

7. A copy of the figures achieved and details of the gyro and director are to be forwarded to Weapons Repair Liaison Officer, Floor 13, 54 Miller Street, North Sydney, NSW 2060.

(737/56/171)

UNCLASSIFIED

70/74—Fire Precautions—Replacement of 'Pre-mix' Foam Fire Extinguishers

1. Following failures of 'pre-mix' type portable foam fire extinguishers and recommendations by the Australian Fire Board these extinguishers are to be withdrawn from service.

2. Due to the pending replacement of CO₂ type extinguishers with BCF in accordance with NSOR 16/71, and considering the suitability of BCF for flammable liquid fires coupled with the fact that it is a non-conductor of electricity, 'pre-mix' foam extinguishers are to be replaced with six lb BCF extinguishers. It is acknowledged that such substitution may require some re-arrangement of extinguishers within establishments.

3. This replacement is not applicable to HMA ships or commissioned establishments, who should be outfitted with Nu-swift air foam extinguishers. Any commissioned establishment holding 'pre-mix' foam extinguishers are to replace them with air foam at the first available opportunity.

(400/1/3616)

UNCLASSIFIED

71/74—HMA Shore Establishments—Supply and Maintenance of Miscellaneous Appliances and Equipment

The supply and maintenance of miscellaneous appliances and equipment such as electric toasters, irons, pie warmers, boiling tables, urns, fans, radiators, etc, to HMA establishments (Naval and civilian) are the responsibility of Department of Works vide ABR 5016 Appendix 56A. Section 18 of Treasury Directions is also relevant. Accordingly, Commanding Officers are to ensure that requirements for such items are included in their annual listing of furniture and fittings.

(1/7310/18)

Section 7

CANCELLED LIST

UNCLASSIFIED

72/74—McNicholl Trophy

Navy Order 113/73 has been cancelled by Change 2 to ABR 5147, Chapter 10.
(1362/1/67)

(Navy Order 113/73)

AMENDMENTS

UNCLASSIFIED

73/74—General Stores—Revised Allowances 5180-66-032-6356 Kit, Electronic Repair and Maintenance

Navy Order 430/72 is to be amended as follows:

Paragraph 6:

Delete 5120-66-023-1536 POT, MELTING, ELECTRIC .. P No 1

Insert 5120-66-056-0087 HEATING UNIT P No 1

Delete 4530-66-047-4344 and insert 5120-66-047-4344.

Delete 4530-66-056-0088 and insert 5120-66-056-0088.

Delete 4530-66-047-4344 and insert 5120-66-047-4344

Delete 4530-66-056-0088 and insert 5120-66-056-0088.

(Navy Order 430/72)

(1/5180/12)

UNCLASSIFIED

74/74—Shipment of Stores—HMA Ships Deployed Overseas

Navy Order 344/73 is to be amended as follows:

Paragraph 5 Column 2:

Delete

Insert

C/o Australian High Commissioner, Karachi C/o Australian Consulate-General, Karachi

(Navy Order 344/73)

(187/2/17)

AMENDMENTS

UNCLASSIFIED

7374—General Stores—Revised Allowance 5180-66-031-4336 BR,
Electronic Repair and Maintenance
Navy Order 430121 is to be amended as follows:

Paragraph 6:

- Delete 5120-66-031-4336 POT, MELTING, ELECTRIC ... 5 No 1
- Insert 5120-66-031-4337 HEATING UNIT ... 5 No 1
- Delete 4230-66-047-4344 and Navy 5120-66-047-4344
- Delete 4230-66-050-0088 and Navy 5120-66-050-0088
- Delete 4230-66-047-4344 and Navy 5120-66-047-4344
- Delete 4230-66-050-0088 and Navy 5120-66-050-0088

(12180/12)

(Navy Order 430121)

UNCLASSIFIED

7474—Shipment of Stores—ESEA Ships Deployed Overseas
Navy Order 34473 is to be amended as follows:

Paragraph 2 Column 2:

Navy	Delete
C/o Assistant High Commissioner, C/o Australian Consulate-General, Kuala Lumpur	Kuala Lumpur

(187/2/17)

(Navy Order 34473)

RESTRICTED

RESTRICTED

DNL5

RESTRICTED

ANOs 75/74-89/74



AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
11 March 1974.

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 4720.

UNCLASSIFIED

ADMINISTRATIVE AND GENERAL

CONTENTS

No	Title
SECTION 1—ADMINISTRATIVE AND GENERAL	
75/74	DEFNAV General Messages.
76/74	Recommendations for Submarine Command.
SECTION 2—PERSONNEL	
77/74	Civil Recognition of SAILSTRUC Trained Apprentices.
78/74	Establishment of Personal Services Organisation, Victoria.
79/74	Registration of and Licences to Drive Private Motor Vehicles.
SECTION 4—EQUIPMENT, STORES AND SERVICING	
80/74	Ammunition—Aircraft—Power Cartridges Shelf and Installed Lives.
81/74	Safety Helmets for Use by Underway Replenishment Crews in the RAN.
82/74	Sonar Type 189 Series—Cavitation Indicator—Introduction.
83/74	Victualling Allowances and Fixed Issuing Prices for Provisions as from 1 January 1974.
SECTION 5—BOOKS, CORRESPONDENCE, FORMS AND STATIONERY	
84/74	Gyro Compass Log Book (Form TN100).
AMENDMENTS	
85/74	Allowances and Conditions for Oversea Service Trainees Training in Australia Under an Aid Agreement.
86/74	Conditions of Service for PNG Personnel Undergoing Training in Australia.
87/74	Furnace Fuel Oil Additive.
88/74	RAN Catalogue of Materiel (ABR 5074)—Reproduction in Miniaturised Format.
89/74	Supply of Petroleum Products to Commonwealth Departments.

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

75/74—DEFNAV General Messages

- 1. In accordance with Navy Order 377/71, the state of DEFNAV General Messages as at 1 January is shown in Annex A to this order.
- 2. Navy Order 334/73 is hereby cancelled.

ANNEX A

- 1. The following F messages may be withdrawn:
199, 201, 209, 219, 220, 222, 226.
- 2. As at 0001Z January, the following 1973 F messages were in force:
1, 2, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 39, 41, 42, 45, 46, 47, 49, 51, 52, 54, 55, 57, 58, 59, 60, 61, 63, 65, 67, 68, 69, 70, 71, 73, 74, 75, 76, 77, 79, 80, 81, 82, 83, 86, 87, 88, 89, 91, 92, 94, 95, 96, 97, 99, 100, 101, 103, 104, 105, 106, 107, 108, 109, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 125, 128, 129, 130, 131, 132, 133, 134, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 167, 169, 171, 172, 173, 174, 175, 176, 177, 179, 180, 181, 182, 183, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 200, 202, 203, 204, 205, 206, 207, 208, 210, 211, 212, 213, 214, 215, 216, 217, 218, 221, 223, 224, 225, 227, 228, 229, 230, 231, 232, 233, 234, 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, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270.

(77/1/14)

(Navy Orders 377/71 and 334/73)

RESTRICTED

76/74—Recommendations for Submarine Command

1. Only those officers who have successfully completed the Submarine Commanding Officers Qualifying Course (COQC), conducted by Flag Officer Submarines (FOSM), will be posted to command HMA Submarines.

Eligibility

2. In order to enable officers to be selected for posting to COQC, special reports, known as Recommendations for Submarine Command, are to be rendered on the following eligible officers:

- a. Executive Officers of submarines and all GLEX SM officers of and above five years seniority as Lieutenant (except those who have successfully completed the COQC and those who have been reverted to General Service without being selected for the COQC);

- b. EX SM Officers serving in a Submarine Squadron, and not covered in Sub-paragraph a. above, who are promising candidates for submarine command; and
- c. RN Submarine Officers serving with the RAN in accordance with RN Submarine General Memorandum 1503.

Timing and Disposal of Reports

3. Recommendations for Submarine Command are to be rendered twice annually, through FOCAF, to reach Navy Office by 30 June and 31 December.

4. Reports are to be rendered as follows:

- a. *Officers serving in submarines in UK waters.* Reports, in duplicate, are to be forwarded to FOSM through the Squadron Commander concerned. FOSM will forward one copy to ANRUK for onward transmission to Navy Office.
- b. *Officers serving in the First Australian Submarine Squadron.* Reports, in duplicate, are to be forwarded through the Squadron Commander to FOCAF, for onward transmission to Navy Office, marked for the attention of the Chief of Naval Personnel. Navy Office will forward one copy, where appropriate, to reach FOSM by 1 February and 1 August annually.

Format

5. 'Recommendations for Submarine Command' are to be rendered in the format laid down in Annex A to this order, and are to be accompanied by a report on Form PP101.

Instructions for Completing Recommendation for Submarine Command (vide Annex A)

6. The spirit of the instructions for the compilation of Forms PP101 should be followed.

7. The following attributes, listed in Section II of the Recommendation, are to be assessed:

- a. *Power of Command.* The officer's ability to direct others under normal and adverse conditions.
- b. *Periscope Ability.* Accuracy of periscope estimations. Alertness. Correct and quick periscope drill. Early appreciation of target alterations.
- c. *Tactical Appreciation.* Ability to use information and natural conditions to the submarine's advantage. Ability to assess the opposition's probable action or reaction.
- d. *Ship Handling.* Ability to manoeuvre the ship on the surface and dived. Appreciation of the effects of natural conditions.
- e. *Ability as Attack Co-ordinator.* Appreciation of the overall attack problem. Ability to direct the Command Team. Understanding of attack plots and instruments.
- f. *Ability as OOW.* Reaction to situations, both surfaced and dived, particularly at close quarters. Ability to deal with information and emergencies.

- g. *Ability as OOD.* Ability to run the ship's routine in harbour and to deal with emergencies.
- h. *Technical Knowledge.* The extent of technical knowledge acquired of a ship-wide nature. Ability to understand technical problems.
- i. *Administrative Ability.* Organising skill and proper delegation. Power of expression, orally and on paper.
- j. *Sense of Responsibility.* The degree of responsibility which the officer exercises in the conduct of his professional and private affairs.

8. The numerical assessments used in Section II of the Recommendation are to be based on the levels described in Table B of the Notes for the Guidance of Reporting Officers on Form PP102.

9. The Recommendation is to indicate, in the space provided, what parts of the Navigation Section of the Ship Command Examination have been passed. Parts 1-4 are mandatory for COQC selection, and reasons are to be stated if any eligible officer of more than seven years seniority as Lieutenant has not passed parts 1-4.

Instructions for Completing Form PP101

10. Occasion for Report is to be quoted as 'Half-yearly Recommendation for Submarine Command'. These reports are to be rendered in addition to the occasions specified in RI Chapter 10, Section 4.

11. Sections I and III are to be combined under 'General Report'. The greatest care is required in assessing the general qualities of candidates for command and, in particular, every suitable opportunity should be taken to judge the officer's aptitude for handling the submarine submerged. The general report should sum up the officer's suitability for submarine command and should include remarks on his overall experience, leadership qualities, physical and moral courage, ability as second-in-command, cheerfulness in adversity, bearing, etc. Remarks to amplify any particularly low or high numerical assessments in the report should also be included.

12. Sections IV and V, with the exception of the Reporting Officer's signature, are to be left blank.

13. Remarks of the Squadron Commander as well as the Flag Officer Commanding HMA Fleet are to be included in Section VI.

Selection for COQC

14. RAN candidates for the COQC will be selected by Navy Office on the basis of Recommendations for Submarine Command and seniority in rank. Posting to the COQC will be made in consultation with Flag Officer Submarines, and will be dependent on requirements and availability of places on the course.

15. If it is decided that an eligible GLEX SM officer is unlikely ever to be selected for submarine command, he will be so informed and reverted to General Service as soon as practicable.

16. Navy Order 276/72 is hereby cancelled.

STAFF-IN-CONFIDENCE (when completed)

ANNEX A

Recommendation for Submarine Command

SECTION I

Name.....Rank.....
 Seniority.....Date of Birth.....
 Duties on which employed.....
 Ship Command Navigation.....
 No of attacks carried out (sea).....(SCTT).....
 Category of Recommend . . . EARLY, IN ORDINARY COURSE, LATE, NOT AT ALL, IK.

SECTION II

	Numerical Assessment
Power of Command	
Periscope Ability	
Tactical Appreciation	
Ship Handling	
Ability as Attack Co-ordinator	
Ability as OOW (sea)	
Ability as OOD (harbour)	
Technical Knowledge	
Administrative Ability	
Sense of Responsibility	

Signature of Reporting Officer.....
 Name.....
 Rank.....
 Ship.....
 Date.....

Enclosure: Report on Form PP101.

(312/203/119)

(Navy Order 276/72)

Section 2

PERSONNEL

UNCLASSIFIED

77/74—Civil Recognition of SAILSTRUC Trained Apprentices

1. The Director of Apprenticeships, NSW, has advised that civil trades recognition will be awarded to SAILSTRUC trained apprentices who complete their apprenticeships in the RAN.

2. Details of this recognition and the Department of Technical Education (NSW) trades examinations are as follows:

a. Trade Recognition

Naval Category	Civil Trades Recognition
Marine Technical Propulsion ..	Fitter and Turner
Marine Technical Hull ..	Shipwright
Marine Technical Power Electrics	Electrical Fitter (Power)
Electronic Technical Weapons ..	Electrical Fitter (Electronics)
Electronic Technical Systems ..	Electrical Fitter (Electronics)
Electronic Technical Communications	Electrical Fitter (Communications)
Air Technical Aircraft ..	Fitter
Air Technical Weapons ..	Electrical Fitter (Electronics)
Air Technical Communications ..	Electrical Fitter (Communications)

b. Trades Course Certificate Examination

Naval Category	Appropriate Department of Technical Education, NSW, Examination
Marine Technical Propulsion ..	Fitting and Machining Trade Course
Marine Technical Hull ..	Under discussion
Marine Technical Power Electrics	Electrical Fitter/Mechanic Trade Course
Electronic Technical Weapons ..	Electrical Fitter/Mechanic Trade Course
Electronic Technical Systems ..	Radio Trades Course
Electronic Technical Communications	Radio Trades Course
Air Technical Aircraft ..	Aircraft Maintenance Engineer Trade Course—Engine/Airframes strands
Air Technical Weapons ..	Instrument Trade Course Aircraft strand
Air Technical Communications ..	Radio Trades Course

Success at these examinations will result in the issue of the appropriate Trades Course Certificate of NSW.

3. On completion of an Apprenticeship, the Special Deputy (Navy Office) will make application on behalf of each sailor concerned, to the Director of Apprenticeships, for the award of a craftsman's certificate. The certificate issued, unlike the present RATSTRUC apprentices certificate, will be of civil origin.

4. Completion of the Apprenticeship will occur on promotion of SAILSTRUC Trained Technical Sailors to Grade 3.

5. Similar arrangements for the General Service Apprentice (Adult Entry), SAILSTRUC Trained Technical Branch Sailors, are expected to apply in due course.

(303/35/136)

UNCLASSIFIED

78/74—Establishment of Personal Services Organisation, Victoria

1. A Personal Services Organisation (PSO) has been established in Victoria to improve services to members of the RAN and their dependants. The organisation which incorporates the existing base welfare and billeting offices began operating on 1 November 1973 and it is anticipated that all sections will be functioning by 31 March 1974.

2. The policy, role, and services available to members are basically the same as the CPSO in Sydney (Navy Order 138/72 refers). Variations are detailed in this order.

Location and Administration

3. The Personal Services Office, Victoria, is located on the ground floor, 320 St Kilda Road, Melbourne—telephone 69 5694. The Officer-in-Charge of the Personal Services Organisation (PSO), is responsible to the Naval Officer-in-Charge, Victoria, who is the administrative authority. A sub-office of the Personal Service Organisation, Victoria, is located on the first floor, Suite 9, 424 Nepean Highway, Frankston—telephone 783 9344. This office has been established for the convenience of members of the RAN and their families in the Frankston, Hastings and Doveton areas.

4. Staff for the Personal Services Organisation will be posted to HMAS LONSDALE (NOIC VIC) for PSO Victoria and for PSO Frankston. However, NOIC Victoria is the authority for directing staff within the organisation as necessary to meet the task.

Correspondence and Signals

5. All correspondence and signals for the Personal Services Organisation offices in Melbourne and Frankston should be addressed to the Naval Officer-in-Charge, Victoria.

Resettlement

6. In the initial stages, the resettlement officer will not be an Instructor Officer. When advice is sought on educational matters by members and their families, their requests will be channelled to the Senior Instructor Officer, HMAS CERBERUS, or the Director, Naval Education Service, as appropriate.

Legal Advice

7. A legal advisory service is available by appointment through the PSO Victoria. Members seeking advice need not disclose the nature of their problem beforehand. Annex A refers.

Removals—Settling In Arrangements

8. Applications for removal to Victoria are to include any special requirements the member may have during the period of settling in. In addition to existing removal procedures members may request any or all of the following:

- reception of family;
- assistance with emergency household items;
- additional transport to that approved, ie, at members own expense; and
- booking of temporary accommodation.

9. In cases where full details of the additional services required are not known at the time of initial application for removal, a signal is to be sent in the format shown at Annex B.

ANNEX A

Naval Legal Advisory Service—Victoria

1. A Naval Legal Advisory Service is established within the Victoria Command. This service is provided by officers of the Melbourne Naval Legal Panel and permanent service Legal Officers, and operates from HMAS LONSDALE on Tuesday evenings from 2000 to 2200.

2. The service is available to Commanding Officers, officers and sailors and their dependants and such institutions as the RANRTF within Victoria for the purposes of counselling and guidance of Service and personal legal problems.

3. Personnel wishing to be given legal advice by the service should request their Divisional Officers make arrangements as follows:

- personnel serving in HMAS CERBERUS—through the Legal Officer serving in that establishment;
- personnel serving in other ships and establishments—through the Captain's Secretary, HMAS LONSDALE;
- personnel residing in the Frankston, Hastings and Doveton areas and who are not attached to HMAS CERBERUS—through the Legal Officer serving in HMAS CERBERUS.

4. Urgent matters may be referred by Divisional Officers direct to a member of the Legal Panel.

ANNEX B

Settling In Arrangements—Signal Format

Ships and establishments requesting on behalf of personnel the additional services listed in Paragraph 8 of this order are to signal details in the following format at least seven days before arrival of the member's family in the Melbourne Area:

ANNEX B—continued

FROM

TO NOIC VICTORIA

INFO SHIP/ESTABLISHMENT (POSTED TO)

UNCLASSIFIED

REFERENCE: (AUTHORITY FOR REMOVAL)

NAVY ORDER 78/74

- A. Name of member
- B. Whether reception of family required
- C. If answer to B. is YES—details of travel arrangements
- D. Whether emergency household items required and estimated duration, if known
- E. Additional transport required at members own expense
- F. Details of temporary accommodation required
- G. Any other requirements on arrival.

(Navy Order 138/72)

(302/1/117)

UNCLASSIFIED

79/74—Registration of and Licences to Drive Private Motor Vehicles

1. Each State and Territory in Australia has legislation concerning the registration of and licences to drive motor vehicles. The general effect of this legislation is in each case to oblige drivers residing in a State or Territory, other than temporary visitors, to obtain a driving licence on arrival in that State or Territory. Similarly motor vehicles, other than those brought into the State or Territory temporarily, must be re-registered on arrival in that State or Territory.

2. The various legislations are couched in similar but not identical terms. However, the words used are not always capable of precise interpretation. The result is that each State can and does interpret and apply its motor traffic laws in slightly different ways. It is therefore not possible to give more precise guidance at this time than that given in Paragraph 1.

3. Personnel who are not certain whether they are residents or temporary visitors of a State or Territory, and thus whether or not they should obtain driving licences of and re-register their vehicles in that State or Territory, are advised to report the facts of their situation to the appropriate local authorities and seek their advice. Personnel are warned that failure to re-register their vehicles in or obtain a driving licence of a State or Territory when required by the local legislation to do so is an offence and could cause difficulties in connection with their third party and comprehensive insurance cover.

4. When vehicles have been re-registered the former registration plates should be returned in order to obtain a pro-rata refund in respect of the unexpired portion of the registration fee and third party insurance premium.

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

(47/8/15)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

80/74—Ammunition—Aircraft—Power Cartridges Shelf and Installed Lives

Information

- 1. a. The primary authority for reference to the service life of Aircraft Power Cartridges will continue to be Australian Navy Orders, although the information may also be promulgated in Aircraft Publications, DCIs (RN) and USN Publications.
- b. The shelf and installed lives of all cartridges (both British and US origin) at present in service are detailed in the annexes to this order.
- c. Navy Orders promulgating information regarding new power cartridges being introduced into service will give details of service life allocated. The consolidated list in the above-quoted annexes should be amended as necessary to include these new stores, pending promulgation of a revised Navy Order.

Marking of Cartridges

- 2. The date when the hermetically sealed container is opened governs the remaining service life of the cartridge whether it is immediately issued for installation in its parent device, or remains in storage awaiting issue. The service life expiry date (month and year) is to be calculated from the date of opening the sealed container, and is to be clearly marked on each cartridge, prefixed by the code letters LX for life expires (eg, LX 9/74) using liquid marking ink.

The ink is made by mixing two volumes of 435892 INK LIQUID MARKING DYE BLACK with one volume of 435905 INK LIQUID MARKING SOLUTION BINDING. The mixed material should retain its properties for at least twenty-four hours from the time of mixing. These two constituents are obtainable in pint quantities from RAN Armament Depot.

Marking of Lot Nos on Cartridges

- 3. Before being installed, cartridges, etc, are to be examined to confirm they are marked with lot No and date of filling. If these details are not shown, they are to be ascertained from the relevant cylinder or package label and where possible marked on the cartridge, etc, by the method described in Paragraph 2.

Macchi Trainer A/C Ejection Seat and Cockpit Canopy Jet-tison Cartridges 4. The shelf and installed life of Ejection Seat and Cockpit Canopy Jettison Cartridges fitted in this aircraft, will be as detailed in AAP 7212-001-7-1, Technical Maintenance Plan, Macchi A/C.

Lives—Shelf and Installed 5. The shelf life detailed in this Navy Order is not to be exceeded. In certain circumstances Navy Office permission may be sought, requesting an extension of life. The installed life of cartridges does not permit the shelf or total life to be exceeded. When calculating the installed life expiry date of cartridges, the two governing factors are the date of manufacture of the store and the date the hermetically sealed container was opened.

6. Navy Orders 110/71 and 292/71 are hereby cancelled.

ANNEX A

Cartridges of British Origin

Item No	Store Reference	Description	Life	
			Shelf	Installed
1	369677	Cartridge Operating Fire Extinguisher Cartridge OFE No 3 Mk 3 (2 pin)	7 years	60 weeks (see note)

Note: This Cartridge has two installed lives, each of 60 weeks, subject to satisfactory testing after expiry of the first installation period. At termination of first installation period, the Cartridge is to be packed in the correct cylinder and returned to a Naval Armament Depot with the package endorsed 'Returned for Testing' and quoting this Navy Order as the reference.

Item No	Store Reference	Description	Life	
			Shelf	Installed
2	369021	Cartridges Cable Cutter: Cartridge cable cutter No 2 Mk 1	5 years	60 weeks
3	369003	Fuze N4 Mk 1	7 years	60 weeks

ANNEX B Cartridges of US Origin

Item No	Store Reference	Description	Life	
			Shelf	Installed
1	FSN 1377-088-5634	<i>Aircrew Escape System Cartridges:</i> Catapult, rocket, A/C ejection seat Mk 13 Mod 2	Total life is 36 months from date of propellant manufacture, noted on identification plate affixed to the catapult	
2	FSN 1377-984-1604	Cartridge gas generator	5 years	30 months
3	FSN 1377-754-4784	Cartridge impulse Mk 73 Mod 0	5 years	30 months
4	FSN 1377-066-1560	Cartridge delay Mk 4 Mod 1	5 years	18 months
		or		
5	FSN 1377-105-6659 FSN 1377-490-6251	Cartridge delay Mk 4 Mod 2 Cartridge impulse, fitted in gun assembly, ballistic spreading	5 years	18 months
6	FSN 1377-066-1561	Cartridge delay Mk 5 Mod 1	5 years	18 months
7	FSN 1377-962-8626	Cartridge delay Mk 86 Mod 0	5 years	18 months
8	FSN 1377-885-3989	Initiator delay Mk 11 Mod 0	5 years	18 months
9	FSN 1377-756-3501	Thruster, cartridge actuated M13	5 years	30 months
10	FSN 1377-999-9258	Initiator, cartridge actuated Mk 12 Mod 0	5 years	18 months
11	FSN 1377-731-9272	Initiator, cartridge actuated M53	5 years	30 months
12	FSN 1377-731-9271	Initiator, cartridge actuated M99	5 years	30 months
13	FSN 1377-038-4954	Cartridge, vial life raft	5 years	30 months
		<i>Cartridges Bomb and Ejector Rack:</i>		
14	FSN 1377-293-8183	Cartridge, impulse Mk 1 Mod 3	5 years	12 months
15	FSN 1377-293-8184	Cartridge, impulse Mk 2 Mod 1	5 years	12 months
16	FSN 1377-075-5846	Cartridge, impulse Mk 8 Mod 0	5 years	12 months
17	FSN 1377-793-9927	Cartridge, impulse Mk 13 Mod 0	5 years	12 months
18	FSN 1377-793-9926	Cartridge, impulse Mk 19 Mod 0	5 years	12 months
		<i>Helicopter Flotation Equipment:</i>		
19	369005	Cartridge, emergency helicopter flotation equipment	5 years	30 months
20	369018	Igniter, helicopter flotation equipment, No 1 Mk 1	5 years	30 months
21	369122	Igniter, helicopter flotation equipment No 1 Mk 2	5 years	30 months
		<i>Cartridges Miscellaneous:</i>		
22	FSN 1377-509-9427	Cartridge, impulse Mk 105 Mod 0 for AQS13 sonar reeling machine guillotine	5 years	30 months

ANNEX B—continued

Item No	Store Reference	Description	Life	
			Shelf	Installed
23	369-MISC-19	<i>Cartridges Miscellaneous:</i> Guillotine cable cutter for hoist inst Iroquois helicopter (Primer Pt No BW 10057)	5 years	12 months
24	DSN 1377-067-9606	Squib electric cable cutting, S-68-3, for A/C Delmar target	Total life is 2 years from date of manufacture stamped on shell of the Squib.	

Notes: 1. The five year shelf life of Items 2 through to 23 inclusive, is dependent upon these stores being packed and supplied in hermetically sealed containers. If they are packaged in any other type containers, the total service life shall be two years from date of manufacture with the exception of Items 2 and 5 which is thirty months and Item 10 which is eighteen months.

2. Items 4, 5 and 10 will not be available for issue until the incorporation of certain modifications to the Escapac ejection seat fitted in A4/TA4 aircraft.

(727/58/205)

(Navy Orders 110/71 and 292/71)

UNCLASSIFIED

81/74—Safety Helmets for Use by Underway Replenishment Crews in the RAN

1. Safety helmets of distinguishing colours, as listed hereunder, have been adopted for wear by members of various parties engaged in replenishment at sea operations:

Class	Catalogue No	Colour	Authorised Wearer
8415	66-059-4061	WHITE	Officers / Warrant Officers / Chief Petty Officers acting as Supervisors
8415	66-059-4062	YELLOW	Chief Petty Officers/Petty Officers in Charge of Stations
8415	66-059-4063	GREEN	Communications Personnel
8415	66-059-4064	RED	Line Throwing Personnel
8415	66-059-4065	BLUE	Line Handling Personnel
8415	66-059-4066	ORANGE	Supply Personnel
8415	66-059-4067	BLACK 'O'	Engineering Personnel
8415	66-059-4068	PURPLE	
8415	66-059-4069	GREY	All Others
8415	66-059-4070	BEIGE 'O'	Winch Crane Operators
8415	66-059-4071	BROWN	
8415	66-060-3423	WHITE WITH RED CROSS	Medical Personnel

2. Demands are to be placed by ships on SVSO, Sydney (Depot Code 0124) to bring stockholdings of safety helmets up to the authorised level as indicated in Annex A.

3. Purple helmets and brown helmets will replace black helmets and beige helmets when stocks of the latter items, currently held in ships and in store at Royal Edward Victualling Yard, Sydney, have been exhausted.

4. The scale of allowances will be included in ABR 4, RAN Storekeeping Manual.

ANNEX A

Ship	White	Yellow	Green	Red	Blue	Orange	Black/ Purple	Grey	Beige/ Brown	White with Red Cross
MELBOURNE	6	4	4	3	†	6	9	6	5	2
SUPPLY	6	4	4	3	†	6	12	6	16	2
STALWART	6	4	4	3	†	6	3	6	5	2
DDG	4	3	3	2	45	6	6	6	1	1
DD	4	3	3	2	30	6	6	4	1	1
DE	4	3	3	2	30	4	6	4	1	1
ANZAC	3	2	2	2	15	4	6	2	1	1
MCMV	1	1	1	1	6	1	1	—	1	1
PTF	1	1	1	1	5	1	1	—	1	1
MORESBY*	2	2	2	1	15	2	3	2	2	—
DIAMANTINA*	2	2	2	1	15	2	3	2	1	1
FLINDERS*	2	1	1	1	15	2	3	2	1	1

Notes:

† It is not necessary to supply line handling parties in these ships with safety helmets as all points are either in the open or well protected from 'falling objects'.

* Issues to Oceanographic and Survey ships will be made on an 'as required' basis for specific cruises, and are to be returned to SVSO, Sydney, after use.

(177/1/119)

+ 20%
spares

RESTRICTED

82/74—Sonar Type 189 Series—Cavitation Indicator—Introduction

1. Sonar Type 189 has been developed to provide an aural and visual indication in submarines of the onset of cavitation. A portable version, Type 189 cc, is available for use as a machinery noise monitor in submarines and surface ships.

2. The fixed cavitation indicator has an accelerometer mounted on each side of the internal frames of the submarines pressure hull. In submarines, where these cannot be located close enough to the propellers, hydrophones are fitted external to the pressure hull. Propeller noises detected by these fittings are amplified by equipment in the control room and presented audibly through headphones and measured visually by meter.

3. The portable version consists of a vibration pick-up, in lieu of the accelerometer or hydrophones, which can be attached to the machinery to be monitored. The noise level is indicated in similar fashion as the fixed cavitation indicator.

4. The portable outfit consists of:

- AP 191451 R/R 6320-99-419-4936 AMPLIFIER, stored in a quick release bracket, AP 191453;
- AP 192308 VIBRATION PICK-UP;
- AP 197882 HEADSET.

No permanent wiring is required, power being obtained from an internal battery (life about two hundred hours).

5. The handbook is BR 2225, the Establishment List is U269 and the Instructions for Installation are A/S 7079. The latter is essentially required for fitting of the permanent version in submarines.

6. Type 189cc (portable version) is to be carried in the following ships:

Type 12s, DDGs, HMAS VAMPIRE, VENDETTA, CURLEW, SNIPE, STALWART, MORESBY, FLINDERS and submarines.

7. Ship's staff are to fit the units (Paragraph 4 above) in the Sonar Control Room or, if space is limited, in a location where the equipment will be protected from accidental damage. The shock mounts for bracket AP 191453 are to be made up from Pattern 7770 'J' type yielding straps. Fixing studs, of suitable length, and threaded to take a three inch UNF nylon nut, are to be welded to the bulkhead in the selected position for the amplifier and the yielding straps are to be secured to the mounting bracket with three eighth inch UNF \times one and one quarter inch long bolts with nylon nuts.

(400/1/3789)

UNCLASSIFIED

83/74—Victualling Allowances and Fixed Issuing Prices for Provisions as from 1 January 1974

1. The price list for dry provisions, fresh meats and smallgoods and supplementary price list for fresh fruit and vegetables which have operated from 1 January, 1 July and 1 October 1973, respectively, have been amended from 1 January 1974.

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 January 1974:

	Ashore	Afloat
	\$	\$
Messes of 50 or less victualled from a separate galley ..	1.09	1.12
All other messes of 300 or less messes separately ..	1.07	1.10
Messes of more than 300	1.05	1.08
Additional for ships and submarines deployed with the ANZUK Force	—	0.04
Supplementary 'Broadside' messing allowance for HMAS ANZAC and HMAS DIAMANTINA	—	0.01
HMAS COONAWARRA	1.11	—
HMAS TARANGAU and small craft (messes of 50 or less) under the operational control of COMPNGFOR	1.13	—
Cadet Midshipmen at RANC	1.17	*
Junior Recruits at Training Establishments		
Apprentices at RANATE		
Naval Reserve Cadets attending camps and courses		

* The allowance of \$1.17 per day for Cadet Midshipmen, Junior Recruits, Apprentices and Naval Reserve Cadets, is increased to \$1.20 per day when victualled on board ships undergoing training and when messes separately.

4. Navy Order 359/73 is hereby cancelled.

(901/66/11)

(Navy Order 359/73)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

84/74—Gyro Compass Log Book (Form TN100)

1. The Weapon Repair Liaison Officer of GOSIEAA staff is responsible for the maintenance of records of running hours, allocation and issue dates of gyros, weapon stabilisers and associated equipment, to enable repair by replacement to be effected within the manufacturers recommended MTBF period.

2. To assist in this task, Compass Log Book (TN100) has been revised. Copies will be issued by SVSO on demand.

3. The instructions in the Compass Log Book (TN100) have been revised and the main departures from the original instructions are:

- a. the Log Book should be kept with the equipment, in a safe place;
- b. the Log Book is to contain a full history of the compass since installation, providing sufficient information for the determination of operating performance, possible sources of error and when maintenance or replacement routines are due;

- c. a sphere history sheet for sphere compasses is now included in a pocket inside the front cover of the Log Book. This history sheet is to be written up, in addition to the log entry, and attached to the sphere or assembly whenever a sphere or assembly is removed from the master compass. Complete instructions are in the Log Book;
- d. when the complete compass equipment is removed from the ship to store, the Log Book and/or history sheet are/is to be forwarded by registered mail to GOSIEAA, attention the Weapon Repair Liaison Officer.

4. Forwarding the Log Book and/or history sheet to GOSIEAA does not cancel the requirements of Paragraph 3 of Navy Order 400/72. This instructs all originators of signals and correspondence relating to the repair, movement or purchasing of sphere type gyros, weapon stabilisers, associated equipments, documentation and spares, to include the Weapon Repair Liaison Officer as action or information addressee as appropriate.

5. Attention is also drawn to the requirement to supply the maker, mark number, makers modification number, assembly serial number together with the Federal stock number and procurement demand, as applicable, in all signals and correspondence. Navy Order 418/71 refers.

(400/1/675)

(Navy Orders 418/71 and 400/72)

UNCLASSIFIED

84/74—Conditions of Service for PNG Personnel Undergoing Training in Australia

Navy Order 39/73 is to be amended as follows:

- Paragraph 7A.
 Allow \$1.14 and issue \$1.75
 Allow \$2.43 and issue \$3.02.
- Paragraph 7B.
 Allow \$1.34 and issue \$1.41
 Allow \$2.07 and issue \$2.16.
- Paragraph 11
 Allow \$4.76 and issue \$5.02
 Allow \$14.72 and issue \$4.23.
- Paragraphs 12 and 14
 Allow \$0.2 and issue \$0.7
 Allow \$124 when occurring and issue is less \$1.00.

(Navy Order 39/73)

AMENDMENTS

UNCLASSIFIED

85/74—Allowances and Conditions for Overseas Service Trainees Training in Australia Under an Aid Agreement

Navy Order 136/73 is to be amended as follows:

Paragraph 5A.

delete \$1.14, insert in lieu \$1.93
delete \$2.43, insert in lieu \$3.02

Paragraph 5C.

insert the following note:

Note: Payment of Subsidies Allowance and Living Allowance to Malaysian Trainees will cease during any periods 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.

Paragraph 13. (1)

delete \$25.00 where appearing and insert in lieu \$25.00
delete \$134.00 where appearing and insert in lieu \$130.00

(252/4/211)

(Navy Order 136/73)

UNCLASSIFIED

86/74—Conditions of Service for PNG Personnel Undergoing Training in Australia

Navy Order 39/73 is to be amended as follows:

Paragraph 7A.

delete \$2.14 and insert \$3.93
delete \$2.43 and insert \$3.02

Paragraph 7B.

delete \$6.64 and insert \$7.43
delete \$2.07 and insert \$2.66

Paragraph 11

delete \$41.96 and insert \$22.02
delete \$34.02 and insert \$42.28

Paragraph 13 and 14

delete \$62 and insert \$63
delete \$124 where occurring and insert in lieu \$120

(252/4/211)

(Navy Order 39/73)

UNCLASSIFIED

87/74—Furnace Fuel Oil Additive

Navy Order 367/73 is to be amended as follows:

Change of item name. Delete all references to DETERGENT, EMULSION DEGREASING and insert CARBON-SOOT REMOVING COMPOUND.

(1211/51/553)

(Navy Order 367/73)

UNCLASSIFIED

88/74—RAN Catalogue of Materiel (ABR 5074)—Reproduction in Miniaturised Format

Navy Order 21/74 is to be amended as follows:

In the title of the order delete ABR 5047 and insert ABR 5074.

(465/12/16)

(Navy Order 21/74)

UNCLASSIFIED

89/74—Supply of Petroleum Products to Commonwealth Departments

Navy Order 369/73 is to be amended as follows:

Paragraph 4, line 2

delete 'produced'
insert 'products'.

(184/1/20)

(Navy Order 369/73)

UNCLASSIFIED

8774—Furnace Fuel Oil Additive

Navy Order 36773 is to be amended as follows:
Change of item name. Delete all references to DETERGENT EMULSION
DEGREASING and insert CARBON-SOOT REMOVING COMPOUND.

(1211/21/223)

(Navy Order 36773)

UNCLASSIFIED

8874—RAIN Catalogue of Material (ABR 2074)—Reproduction in
Minimized Format

Navy Order 21774 is to be amended as follows:
In the title of the order delete ABR 2047 and insert ABR 2074.

(462/12/16)

(Navy Order 21774)

UNCLASSIFIED

8974—Supply of Petroleum Products to Commonwealth Departments

Navy Order 36973 is to be amended as follows:

Paragraph 4, line 2
delete 'produced'
insert 'products'.

(184/1/20)

(Navy Order 36973)

RESTRICTED

RESTRICTED

DNLS

ANOs 90/74-99/74



AUSTRALIAN NAVY ORDERS

90/74
91/74
92/74
SECTION 4—EQUIPMENT, FITTINGS AND SERVICES
93/74
94/74
SECTION 5—PERSONNEL, TRAINING AND RECRUITING
95/74

Navy Office, Canberra,
14 March 1974.

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

CONTENTS

<i>No</i>	<i>Title</i>
SECTION 1—ADMINISTRATIVE AND GENERAL	
90/74	Commissioning.
91/74	Importation of Firearms.
SECTION 2—PERSONNEL	
92/74	Private Debts.
SECTION 4—EQUIPMENT, STORES AND SERVICING	
93/74	General Stores—Introduction of New Torque Wrench and Multiplier to HMA Submarines.
94/74	NBCD—Ventilation Location Markings (Not Applicable to RAN DDGs).
SECTION 5—BOOKS, CORRESPONDENCE, FORMS AND STATIONERY	
95/74	Economy in the Use of Paper.
AMENDMENTS	
96/74	HMA Ships—Heeling Trials.
97/74	Officers Course Programme 1974.
98/74	Sailors Course Programme 1974.
99/74	The Navy List—Inclusion of Professional Qualifications.

PERSONNEL

UNCLASSIFIED

92/74—Private Debts

2. Should it be thought on the occasion of the Naval Board that a member is incapable or inadequate in his attitude towards the welfare of the general body, or in not meeting a Court Order for settlement of a private debt, the following procedure on the Service, the member will be deemed warned that, unless he shall provide steps to clear the debt, the Naval Board will consider whether the services of the member should be continued.

2. BY ORDER 1974 (2) 1100.

3. This order will be reported for printing on future boards.

(27/12/74)

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 4720.

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

90/74—Commissioning

The following commissionings have been effected:

- HMAS BUNA 7 December 1973.
- HMAS CAIRNS 1 February 1974.

(1221/51/872)

UNCLASSIFIED

91/74—Importation of Firearms

1. Instances have occurred where members of the Services returning from overseas have attempted to import military type firearms into Australia as their personal property.

2. The importation of weapons of this type together with ammunition is restricted under the Customs (Prohibited Imports) Regulations and it is essential that they be declared to the Customs authorities at the point of entry into Australia.

3. Their release is also subject to approval by the State Police authorities and as this approval is normally withheld the practice of attempting to import such items is to be discouraged.

4. It should be noted that the importation of pistols, and any parts of pistols and rifles of a military type being of a calibre larger than .22 of an inch, and parts for those rifles, is prohibited under Item 27 and 30 respectively of the Customs (Prohibited Imports) Regulations. It is also an offence to show wrong information on the declaration when parcels are posted from overseas.

(184/1/1)

Section 2

PERSONNEL

UNCLASSIFIED

92/74—Private Debts

1. Should it be brought to the attention of the Naval Board that a member is irresponsible or dishonest in his attitude towards the settlement of his private debts, or is not meeting a Court Order for settlement of a private debt, thus bringing discredit on the Service, the member will be formally warned that, unless he takes positive steps to clear the debt, the Naval Board will consider whether the services of the member should be terminated.

2. RI Article 1933 (2) refers.

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

(271/201/2)

CONTENTS

SECTION 1—ADMINISTRATIVE AND GENERAL

90/74 Commissioning

91/74 Importation of Firearms

SECTION 2—PERSONNEL

92/74 Private Debts

SECTION 4—EQUIPMENT, STORES AND SERVICES

93/74 General Stores—Introduction of New Types and Methods to HMA Submarine

94/74 NBCD—Ventilation Location Markings (Not Applicable to HMA DDG)

SECTION 5—BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

95/74 Economy in the Use of Paper

AMENDMENTS

96/74 HMA Ships—Stealing Theft

97/74 Officers Course Programme 1974

98/74 Rating Course Programme 1974

99/74 The Navy List—Index of Professional Qualifications

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

93/74—General Stores—Introduction of New Torque Wrench and Multiplier to HMA Submarines

1. The items listed in Annex A are being introduced for use in HMA submarines to overcome the working space difficulties experienced with 004-125891 TORQUE WRENCH.

2. Supply of these items will be effected without demand by the Superintending General Stores Officer, Sydney, when stocks become available.

3. When new type Torque Wrenches are received, 004-125891 TORQUE WRENCHES are to be returned to MSD, Randwick.

ANNEX A

Class	Catalogue No	Description	Unit of Issue	CL	Allowance	
					HMAS PLATYPUS	Per Submarine
5120	66-064-0840	MULTIPLIER TORQUE WRENCH	EA	P	2	1
5120	66-037-8444	WRENCH, TORQUE	EA	P	2	1

(1218/51/1364)

UNCLASSIFIED

94/74—NBCD—Ventilation Location Markings (Not Applicable to RAN DDGs)

1. Ventilation location markings in HMA ships are to be in accordance with BR 2170 (1969) Ships NBCD Manual Volume 1, Chapter 14. Ships are to examine the ventilation location markings to ensure that they are correct.

2. Any ship in which these markings are incorrect is to include an item in the Defect List to have the ships drawings amended where necessary. Embossed metal tallies are to be ordered for fitting by ship staff after the drawings have been amended.

(1211/51/286)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

95/74—Economy in the Use of Paper

1. A world wide shortage of paper is affecting the supply of paper products and in particular the availability of writing and printing papers to the Australian market. As a result, difficulty is being experienced in arranging contracts for printing and the supply of stationery to cope with current rates of consumption.

2. As no improvement in the availability of paper can be foreseen in the near future, it is essential that all concerned in HMA ships, commissioned establishments, dockyards, etc, exercise the strictest economy in the use of paper products.

3. Publishing programmes are to be reviewed with the object of deferring less urgent work and where practicable, reducing the content and the number of copies produced of essential work to a minimum. All aspects of the use of stationery and forms are to be examined and in particular the number of copies of forms and other documentation produced should be reviewed to achieve savings where possible.

4. If significant economies in the use of paper products can be effected in accordance with the spirit of this order, it may be possible to avoid arbitrary restrictions on publishing and enable an uninterrupted supply of forms and stationery to be maintained.

(18/51/44)

UNCLASSIFIED
BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

UNCLASSIFIED

11/74—General Order—[Faint text regarding correspondence and forms]

12/74—General Order—[Faint text regarding correspondence and forms]

(44)12/81					
100	44-244-2000	MULTIPLE USE TABLE	NA	0	1
100	44-277-4444	WRENCH TORQUE	NA	0	1

(1211/51/892)

UNCLASSIFIED

94/74—NOCED—Ventilation Exercise Markings (See Applicable to MAN DUGG)

1. Ventilation Exercise Markings to HMA ships are to be in accordance with...
2. Any ship in which these markings are incorrect is to include an entry in the...
(1211/51/892)

AMENDMENTS

UNCLASSIFIED

96/74—HMA Ships—Heeling Trials

Navy Order 212/73 is to be amended as follows:

- a. Delete Paragraph 9 of Annex A and insert the following new paragraph:
9. For trials underway the power used must not exceed two fifths full power and helm is to be used only to maintain a straight course. If a turn is necessary speed is to be reduced and the amount of helm used is to be such that the maximum resultant angle of heel (due to transference of liquids plus the dynamic effects of the turn) does not exceed 20° under any circumstances. Due consideration should be given to the effects of wind and sea in relation to the direction of turn and the existing list.
- b. Delete Paragraph 14 of Annex A and re-number subsequent paragraphs.
- c. Add new Paragraph 21 to Annex A:
21. Boats are to be lowered and raised on the low side at each 5° step up to a maximum of 15°.

(Navy Order 212/73)

(1211/51/892)

UNCLASSIFIED

97/74—Officers Course Programme 1974

- 1. The deletions, alterations and additions shown in Annexes A, B and C of this order are promulgated as Amendment No 1 to Navy Order 364/73.
- 2. The Amendment List of the reference Navy Order should be noted with this amendment.

ANNEX A

Deletions

Branch or Group	EDP No	Course	Location	Duration in Days	Starting Date	Completion Date	Min/Max Nos	Remarks
Aircrew	901100/ 901101	Pilot 92 and 94	RAAF Pt Cook Pearce	—	—	—	—	Delete all reference

ANNEX B

Alterations

Branch or Group	EDP No	Course	Location	Duration in Days	Starting Date	Completion Date	Min/Max Nos	Remarks
AIO/ Navigation/ Tactical	901434/ 901448	Junior Officers Tactical ORO	WATSON	10	8.4.74	24.4.74	—	Amended dates 1/74 Amended dates 1/74 Includes leave
			WATSON	—	4.2.74	1.3.74	—	
			CERBERUS	—	4.3.74	12.3.74	—	
			WATSON	—	13.3.74	29.3.74	—	
			ALBATROSS	—	1.4.74	4.4.74	—	
			WATSON	—	5.4.74	31.5.74	—	
			SEA	—	3.6.74	21.6.74	—	
ASW	901404 901405 901482	Joint ASW Intro Joint ASW Tactical Period Degausing (NAV/TAS Officers)	AJASS	5	2.9.74	6.9.74	35	Amended dates 2/74 Amended dates Amended EDP number
			AJASS	12	29.4.74	10.5.74	30	
			WATSON	2	As required	—	—	
Instructor	901181 901300 901340 901181	IO Duties Pt 1 Prelim NBCD Orientation IO Duties Pt 2	Alterations 3				—	Amended dates 1/72
			CERBERUS	5	14.1.74	18.1.74		
			CERBERUS	5	21.1.74	25.1.74		
			CERBERUS	15	29.1.74	15.2.74		
			CERBERUS	10	18.2.74	1.3.74		

Branch or Group	EDP No	Course	Location	Duration in Days	Starting Date	Completion Date	Min/Max Nos	Remarks
Training	901181	IO Duties Pt 1	CERBERUS	10	18.2.74	1.2.74	—	Amended dates 2/72
	901182	Orientation	CERBERUS	14	20.1.74	12.2.74	—	
	901183	IO NBCD	CERBERUS	2	21.1.74	22.1.74	—	
	901181	IO Duties Pt 1	CERBERUS	2	19.1.74	18.1.74	—	
MCD	901432	MCDO	WATSON	2	—	—	—	Amended dates 1/74
	901182	Orientation	WATSON	14	24.4.74	10.5.74	—	
	901183	IO Telecomms	WATSON	2	24.4.74	25.4.74	—	
	901184	IO Computer	WATSON	2	24.4.74	25.4.74	—	
Training	901185	IO Radar	WATSON	—	24.4.74	25.4.74	—	Amended dates 1/74
	901186	IO Surface Weapons	WATSON	—	24.4.74	25.4.74	—	
	901187	IO Duties Pt 1	WATSON	—	24.4.74	25.4.74	—	
	901188	IO Duties Pt 2	WATSON	—	24.4.74	25.4.74	—	
Security	901189	Security Acquaint (Officers)	PENGUIN	3	13.2.74	15.2.74	—	Amended dates 1/74
	901215	Registered Publications	PENGUIN	2	21.1.74	22.1.74	—	

ANNEX B
VIMEX B

Branch or Group	EDP No	Course	Location	Duration in Days	Starting Date	Completion Date	Min/Max Nos	Remarks
Training	901189	Security Acquaint (Officers)	PENGUIN	3	13.2.74	15.2.74	—	Amended dates 1/74
Security	901215	Registered Publications	PENGUIN	2	21.1.74	22.1.74	—	Amended dates

ANNEX B
VIMEX Y

ANNEX B—continued

Branch or Group	EDP No	Course	Location	Duration in Days	Starting Date	Completion Date	Min/Max Nos	Remarks	
Training	901600	IT	CERBERUS	5	4.3.74	8.3.74	—	Sea 2 weeks	
	901446/	ND/TAS	WATSON	60	11.3.74	21.6.74	—		
	901182	Basic Electronics	CERBERUS	35	8.7.74	16.8.74	1-8		
	901184	IO Telecomms	CERBERUS	—	19.8.74	—	—		
	901185	IO Computer							
	901186	IO Radar							
	901187	IO Surface Weapons							
	901181	IO Duties Pt 1	CERBERUS	5	8.7.74	12.7.74	—		Amended dates 2/72
	901340	Orientation	CERBERUS	15	15.7.74	2.8.74	—		
	901600	IT	CERBERUS	5	5.8.74	9.8.74	—		
	901181	IO Duties Pt 2	CERBERUS	10	13.8.74	23.8.74	2-8		
	901300	Prelim NBCD	CERBERUS	5	26.8.74	30.8.74	—		
	MCD	901146/	IO ND/TAS	WATSON	60	2.9.74	29.11.74		—	Sea 2 weeks
901182		Basic Electronics	CERBERUS	35	2.12.74	24.3.74	—		
901184		IO Telecomms	CERBERUS	—	25.3.75	—	—		
901185		IO Computer							
901186		IO Radar							
901187		IO Surface Weapons							
901432		MCDO	PENGUIN	—	4.3.74	31.5.74	—	Amended dates	
			WATSON	—	3.6.74	21.6.74	—		
			3 CAD	—	24.6.74	5.7.74	—		
			PENGUIN	—	8.7.74	12.7.74	—		
		WATSON	—	15.7.74	9.8.74	—			
		PENGUIN	—	12.8.74	30.8.74	—			
		WATSON	—	16.9.74	22.11.74	—			
Security	901528	Security Acquaint (Officers)	PENGUIN	3	13.2.74	15.2.74	—	Amended dates 1/74	
	901215	Registered Publications	PENGUIN	2	21.1.74	22.1.74	—		Amended dates
					8.4.74	9.4.74			
					3.6.74	4.6.74			
					8.10.74	9.10.74			

Branch or Group	EDP No	Course	Location	Duration in Days	Starting Date	Completion Date	Min/Max Nos	Remarks
Training Technology	90360	Instructional Technique ..	CERBERUS	5	25.3.74	29.3.74	6-8	Amended dates for ALBATROSS NIRIMBA
	90364	Quality Control	CERBERUS	5	1.4.74	5.4.74	6-16	
WCD	90360	TO 27000	CERBERUS	5	22.4.74	26.4.74	—	Amended dates
	90360	TO 27000	CERBERUS	5	3.6.74	7.6.74	—	
	90360	TO 27000	CERBERUS	5	19.8.74	23.8.74	—	
	90360	TO 27000	CERBERUS	5	11.11.74	15.11.74	—	
	90360	TO 27000	CERBERUS	5	2.12.74	6.12.74	—	
	90360	TO 27000	CERBERUS	5	11.3.74	15.3.74	3-8	
	90360	TO 27000	CERBERUS	5	6.5.74	10.5.74	—	
	90360	TO 27000	CERBERUS	5	15.7.74	19.7.74	—	
	90360	TO 27000	CERBERUS	5	28.10.74	1.11.74	—	
	90360	TO 27000	CERBERUS	5	9.12.74	13.12.74	—	
	90360	TO 27000	CERBERUS	5	18.3.74	22.3.74	1-16	
	90360	TO 27000	CERBERUS	5	29.4.74	3.5.74	—	
	90360	TO 27000	CERBERUS	5	17.6.74	21.6.74	—	
	90360	TO 27000	CERBERUS	5	5.8.74	9.8.74	—	
90360	TO 27000	CERBERUS	5	7.10.74	11.10.74	—		
90360	TO 27000	CERBERUS	5	25.11.74	29.11.74	—		
90360	TO 27000	CERBERUS	5	25.3.74	29.3.74	—		
90360	TO 27000	CERBERUS	5	14.10.74	18.10.74	—		

ANNEX B—continued

ANNEX B—continued

Branch or Group	EDP No	Course	Location	Duration in Days	Starting Date	Completion Date	Min/Max Nos	Remarks
Training Technology	90360	Instructional Technique ..	CERBERUS	5	25.3.74	29.3.74	6-8	Amended dates for ALBATROSS NIRIMBA
	90364	Quality Control	CERBERUS	5	1.4.74	5.4.74	6-16	
WCD	90360	TO 27000	CERBERUS	5	22.4.74	26.4.74	—	Amended dates
	90360	TO 27000	CERBERUS	5	3.6.74	7.6.74	—	
	90360	TO 27000	CERBERUS	5	19.8.74	23.8.74	—	
	90360	TO 27000	CERBERUS	5	11.11.74	15.11.74	—	
	90360	TO 27000	CERBERUS	5	2.12.74	6.12.74	—	
	90360	TO 27000	CERBERUS	5	11.3.74	15.3.74	3-8	
	90360	TO 27000	CERBERUS	5	6.5.74	10.5.74	—	
	90360	TO 27000	CERBERUS	5	15.7.74	19.7.74	—	
	90360	TO 27000	CERBERUS	5	28.10.74	1.11.74	—	
	90360	TO 27000	CERBERUS	5	9.12.74	13.12.74	—	
	90360	TO 27000	CERBERUS	5	18.3.74	22.3.74	1-16	
	90360	TO 27000	CERBERUS	5	29.4.74	3.5.74	—	
	90360	TO 27000	CERBERUS	5	17.6.74	21.6.74	—	
	90360	TO 27000	CERBERUS	5	5.8.74	9.8.74	—	
90360	TO 27000	CERBERUS	5	7.10.74	11.10.74	—		
90360	TO 27000	CERBERUS	5	25.11.74	29.11.74	—		
90360	TO 27000	CERBERUS	5	25.3.74	29.3.74	—		
90360	TO 27000	CERBERUS	5	14.10.74	18.10.74	—		

Course	Location	Duration	Starting Date	Completion Date	Min/Max Nos	Remarks
901310	Tracker 11	1	13.10.74	18.10.74	—	Additional courses
901310	Tracker 12	1	22.7.74	26.9.74	—	Additional courses
901310	Tracker TACCO	1	8.4.74	23.8.74	—	Additional courses
901310	AWI	1	16.9.74	28.3.74	—	Additional courses
901310	Skyhawk OFS 9B	1	4.3.74	29.3.74	—	Additional courses
901310	Wessex Conversion	1	6.5.74	31.5.74	—	Additional courses
901342/901343	Divisional/Man Management/Sports	15	14.1.74	25.1.74	—	Additional courses
901343	PRO	4	1.7.74	19.7.74	—	Additional courses
901518	PRO	4	15.1.74	18.1.74	—	Arranged by Navy Office

ANNEX B - continued

ANNEX C
Additions

Branch or Group	EDP No	Course	Location	Duration in Days	Starting Date	Completion Date	Min/Max Nos	Remarks
Aircrew	901132	Tracker OFS 11	ALBATROSS ..	—	13.5.74	18.10.74		
	901115	Tracker OFS 12	ALBATROSS ..	—	—1.75	TBD		
	901125	Tracker TACCO	ALBATROSS ..	—	22.7.74	26.9.74		
	901133	AWI	ALBATROSS ..	—	8.4.74	23.8.74		
	N/N	Skyhawk OFS 9B	ALBATROSS ..	—	16.9.74	28.3.74		
		Wessex Conversion ..	ALBATROSS ..	—	4.3.74	29.3.74		
Divisional	901342/901343	Divisional/Man Management/Sports	CERBERUS ..	15	14.1.74	25.1.74	—	Additional courses
Miscellaneous	901518	PRO	Navy Office FOCEA	4	1.7.74	19.7.74	—	Additional courses
					15.1.74	18.1.74	—	Arranged by Navy Office

(311/3/172)

(Navy Order 364/73)

ANNEX A

Branch or Group	EDP No	Course	Conducting Establishment	Duration in Days	Supporting Establishments	Subject	Starting Date	Completion Date	Min/Max Nos	Remarks
Seaman Promotion	911920	Advanced CD ..	PENGUIN ..	160	PENGUIN PENGUIN PENGUIN WATSON 3 CAD WATSON PENGUIN WATSON PENGUIN WATSON PENGUIN WATSON 3 CAD WATSON PENGUIN CERBERUS CERBERUS	Sship NBCD Diving EOD — EOD Diving EOD Diving EOD Diving EOD — EOD Diving Sship NBCD	1.4.74 29.4.74 13.5.74 15.7.74 5.8.74 19.8.74 9.9.74 23.9.74 30.9.74 14.1.74 6.5.74 20.5.74 27.5.74 10.6.74 1.7.74 15.7.74	26.4.74 10.5.74 12.7.74 2.8.74 16.8.74 6.9.74 20.9.74 27.9.74 18.10.74 3.5.74 17.5.74 24.5.74 7.6.74 28.6.74 12.7.74 19.7.74	4-8	Amended dates
	911720	ABCD ..	PENGUIN ..	—	CERBERUS CERBERUS PENGUIN WATSON 3 CAD PENGUIN WATSON PENGUIN PENGUIN CERBERUS CERBERUS CERBERUS PENGUIN	NBCD Sship Diving EOD — Diving EOD Diving — Sship NBCD NBCD Sship Diving	1.4.74 8.4.74 29.4.74 19.8.74 2.9.74 9.9.74 16.9.74 30.9.74 15.7.74 19.8.74 26.8.74 16.9.74	5.4.74 26.4.74 16.8.74 30.8.74 6.9.74 13.9.74 27.9.74 18.10.74 16.8.74 23.8.74 13.9.74 1.11.74	—	Amended dates 1/74. NBCD and Sship to be conducted at PENGUIN if numbers permit. Cat change personnel join before 11.2.74. Amended date 2/74. Non-branch change join before 27.5.74. NBCD & Sship at PENGUIN if numbers permit. Amended dates 3/73. Branch change join before

Branch or Group	EDP No	Course	Conducting Establishment	Duration in Days	Supporting Establishments	Subject	Starting Date	Completion Date	Min/Max Nos	Remarks
Seaman Career and PCT	90320	VBCD	WATSON	100	WATSON	EOD	18.8.74	15.11.74	4-6	19.8.74. Cat change join before 16.9.74. NBCD and Sship at PENGUIN if numbers permit
					CERBERUS	EOD	18.8.74	15.11.74		
					CERBERUS	NBCD	18.8.74	15.11.74		
					WATSON	EOD	12.12.74	1.3.75		
					WATSON	EOD	20.8.74	18.11.74		
					WATSON	EOD	18.8.74	22.11.74		
					WATSON	EOD	25.11.74	29.11.74		
					WATSON	EOD	2.12.74	16.12.74		
					WATSON	EOD	6.1.75	1.3.75		
					WATSON	EOD	21.10.74	22.11.74		
					WATSON	EOD	25.11.74	29.11.74		
					WATSON	EOD	2.11.74	20.12.74		
					WATSON	EOD	6.1.75	TBD		
					WATSON	EOD	11.1.74	14.1.74		
					WATSON	EOD	15.1.74	17.1.74		

ANNEX A

ANNEX A—continued

Branch or Group	EDP No	Course	Conducting Establishment	Duration in Days	Supporting Establishments	Subject	Starting Date	Completion Date	Min/Max Nos	Remarks
Seaman Career and PCT	903290	ASAC	WATSON	21	WATSON	EOD	4.11.74	15.11.74	4-6	Amended dates 4/73. Branch change join by 25.11.74. Cat change join by 6.1.75. Amended dates
					3 CAD	—	18.11.74	22.11.74		
					PENGUIN	Diving	25.11.74	29.11.74		
					WATSON	EOD	2.12.74	16.12.74		
					PENGUIN	Diving	6.1.75	1.3.75		
					WATSON	EOD	21.10.74	22.11.74		
					CERBERUS	NBCD	25.11.74	29.11.74		
					CERBERUS	Sship	2.11.74	20.12.74		
					PENGUIN	Diving	6.1.75	TBD		
					WATSON	—	11.1.74	14.1.74		
					ALBATROSS	—	15.1.74	17.1.74		
					WATSON	—	18.1.74	1.2.74		
					FOCAF	—	4.2.74	8.2.74		
					WATSON	—	21.3.74	25.3.74		
					ALBATROSS	—	26.3.74	28.3.74		
WATSON	—	29.3.74	11.3.74							
FOCAF	—	16.4.74	19.4.74							
WATSON	—	23.5.74	27.5.74							
ALBATROSS	—	28.5.74	30.5.74							
WATSON	—	31.5.74	14.6.74							
FOCAF	—	17.6.74	21.6.74							
WATSON	—	5.7.74	8.7.74							
ALBATROSS	—	9.7.74	11.7.74							
WATSON	—	12.7.74	26.7.74							

Branch or Group	EDP No	Course	Conducting Establishment	Duration in Days	Supporting Establishments	Subject	Starting Date	Completion Date	Min/Max Nos	Remarks
LCE Control Wing Officers	00150	VBYC	WATSON	11	WATSON	---	22.12.74	29.1.75	4-5	Other WATSON 20.8.74 22.11.74 23.11.74 24.11.74 25.11.74 26.11.74 27.11.74 28.11.74 29.11.74 30.11.74 31.11.74
							8.2.75	15.3.75		
							12.1.75	19.2.75		
							15.2.75	22.3.75		
							18.3.75	25.4.75		
							21.4.75	28.5.75		
							24.5.75	31.6.75		
							27.6.75	4.7.75		
							30.7.75	7.8.75		
							3.8.75	10.9.75		
							6.9.75	13.10.75		
							9.10.75	16.11.75		
12.11.75	19.12.75									
LCE Control Wing Officers	00150	VBYC	WATSON	11	WATSON	---	18.7.74	18.9.74	4-5	Other WATSON 20.8.74 22.11.74 23.11.74 24.11.74 25.11.74 26.11.74 27.11.74 28.11.74 29.11.74 30.11.74 31.11.74
							21.9.74	21.11.74		
							24.11.74	24.1.75		
							27.1.75	27.3.75		
							30.3.75	30.5.75		
							3.5.75	3.7.75		
							6.7.75	6.9.75		
							9.9.75	9.11.75		
							12.11.75	12.1.76		
							15.1.76	15.3.76		
							18.3.76	18.5.76		
							21.5.76	21.7.76		
24.7.76	24.9.76									
LCE Control Wing Officers	00150	VBYC	WATSON	11	WATSON	---	1.7.74	1.9.74	4-5	Other WATSON 20.8.74 22.11.74 23.11.74 24.11.74 25.11.74 26.11.74 27.11.74 28.11.74 29.11.74 30.11.74 31.11.74
							4.9.74	4.11.74		
							7.11.74	7.1.75		
							10.1.75	10.3.75		
							13.3.75	13.5.75		
							16.5.75	16.7.75		
							19.7.75	19.9.75		
							22.9.75	22.11.75		
							25.11.75	25.1.76		
							28.1.76	28.3.76		
							31.3.76	31.5.76		
							3.5.76	3.7.76		
6.7.76	6.9.76									

ANNEX A—continued

ANNEX A—continued

Branch or Group	EDP No	Course	Conducting Establishment	Duration in Days	Supporting Establishments	Subject	Starting Date	Completion Date	Min/Max Nos	Remarks									
Marine Engineering Promotion	N/N	ASAC Refresher	WATSON ..	5	---	---	29.7.74	2.8.74	15-20	Amended dates									
							23.8.74	26.8.74											
							27.8.74	29.8.74											
							30.8.74	13.9.74											
							16.9.74	20.9.74											
							18.10.74	21.10.74											
							22.10.74	24.10.74											
							25.10.74	8.11.74											
							11.11.74	15.11.74											
							18.2.74	22.2.74											
							24.6.74	28.6.74											
							25.11.74	29.11.74											
Marine Engineering Career and PCT	913930	Mech MTP ..	NIRIMBA ..	2 years	---	---	26.8.74	—6.76	15-20	Delete all reference									
							21.6.74	20.6.75											
							26.8.74	—6.76											
							21.6.74	20.6.75											
							26.8.74	—6.76											
							18.3.74	12.7.74											
							20.8.74	13.12.74											
							Air Engineering Promotion Training Technology	913630			Band L. ..	CERBERUS ..	20	---	---	4.2.74	1.3.74	4-10	Delete all reference
																21.1.74	20.12.74		
																21.1.74	20.12.74		
																1.4.74	5.4.74		
																22.4.74	26.4.74		
3.6.74	7.6.74																		
19.8.74	23.8.74																		
Air Engineering Promotion Training Technology	916930	Mech Ata ..	NIRIMBA ..	1 year	---	---			21.1.74	20.12.74						4-12	Delete all reference		
									21.1.74	20.12.74									
									1.4.74	5.4.74									
									22.4.74	26.4.74									
									3.6.74	7.6.74									
							19.8.74	23.8.74											
							Air Engineering Promotion Training Technology	916940	Mech Atw ..	NIRIMBA ..	1 year	---	---	21.1.74	20.12.74			4-12	Delete all reference
														21.1.74	20.12.74				
														1.4.74	5.4.74				
														22.4.74	26.4.74				
														3.6.74	7.6.74				
														19.8.74	23.8.74				
Air Engineering Promotion Training Technology	903640	Quality Control ..	CERBERUS ..	5	---	---								1.4.74	5.4.74	6-16	NIRIMBA. Amended dates		
														22.4.74	26.4.74				
														3.6.74	7.6.74				
														19.8.74	23.8.74				

EDP No	Course	Conducting Establishment	Duration in Days	Supporting Establishments	Subject	Starting Date	Completion Date	Min/Max Nos	Remarks
90360	Module Supervisor	CERBERUS ..	5	—	—	11.11.74 2.12.74 11.3.74 6.5.74 15.7.74	15.11.74 6.12.74 15.3.74 10.5.74 19.7.74	3-8	NIRIMBA 903600 pre-requisite. Amended dates WATSON
903660	Training Analysis	CERBERUS ..	5	—	—	28.10.74 9.12.74 18.3.74 29.4.74 17.6.74 5.8.74 7.10.74	1.11.74 13.12.74 22.3.74 3.5.74 21.6.74 9.8.74 11.10.74	1-16	NIRIMBA and as required. Amended dates
903670	Training Design ..	CERBERUS ..	5	—	—	25.11.74 25.3.74 14.10.74	29.11.74 29.3.74 18.10.74	1-6	NIRIMBA. 903660 pre-requisite courses also as required Amended dates
903600	Instructional Technique	CERBERUS ..	5	—	—	25.3.74 1.4.74	29.3.74 5.4.74	6-8	ALBATROSS

ANNEX V—continued

ANNEX A—continued

Branch or Group	EDP No	Course	Conducting Establishment	Duration in Days	Supporting Establishments	Subject	Starting Date	Completion Date	Min/Max Nos	Remarks
		Module Supervisor	CERBERUS ..	5	—	—	11.11.74 2.12.74 11.3.74 6.5.74 15.7.74	15.11.74 6.12.74 15.3.74 10.5.74 19.7.74	3-8	NIRIMBA 903600 pre-requisite. Amended dates WATSON
	903660	Training Analysis	CERBERUS ..	5	—	—	28.10.74 9.12.74 18.3.74 29.4.74 17.6.74 5.8.74 7.10.74	1.11.74 13.12.74 22.3.74 3.5.74 21.6.74 9.8.74 11.10.74	1-16	NIRIMBA and as required. Amended dates
	903670	Training Design ..	CERBERUS ..	5	—	—	25.11.74 25.3.74 14.10.74	29.11.74 29.3.74 18.10.74	1-6	NIRIMBA. 903660 pre-requisite courses also as required Amended dates
	903600	Instructional Technique	CERBERUS ..	5	—	—	25.3.74 1.4.74	29.3.74 5.4.74	6-8	ALBATROSS

(312/21/271)

(Navy Order 376/73)

(WAPU QWPA 23013)

Code	Qualification	Level	Units	Expiry	Notes	Start Date	End Date	Comments
0000	General	1	1	1974-01-01		1974-01-01	1974-01-01	
0000	General	2	2	1974-01-01		1974-01-01	1974-01-01	
0000	General	3	3	1974-01-01		1974-01-01	1974-01-01	
0000	General	4	4	1974-01-01		1974-01-01	1974-01-01	
0000	General	5	5	1974-01-01		1974-01-01	1974-01-01	
0000	General	6	6	1974-01-01		1974-01-01	1974-01-01	
0000	General	7	7	1974-01-01		1974-01-01	1974-01-01	
0000	General	8	8	1974-01-01		1974-01-01	1974-01-01	
0000	General	9	9	1974-01-01		1974-01-01	1974-01-01	
0000	General	10	10	1974-01-01		1974-01-01	1974-01-01	

(WAPU QWPA 23013)

UNCLASSIFIED

99/74—The Navy List—Inclusion of Professional Qualifications
 Navy Order 339/73 is to be amended as follows:

ANNEX A

Page 13—Codes 252 and 253—delete existing qualifications and insert FIREE and MIREE respectively.

Page 14—Qualification Dip NEd—delete code 173 and insert 171.

(178/1/179)

(Navy Order 339/73)

UNCLASSIFIED

9974—The Navy List—Inclusion of Professional Qualifications
Navy Order 339173 is to be amended as follows:

ANNEX A

Page 12—Codes 222 and 223—delete existing qualifications and insert F1R1B and M1R1E respectively.

Page 14—Qualification D19 M1E—delete code 173 and insert 171.

(178/1178)

(Navy Order 339173)



DNLS
ANOs 100/74-102/74



AUSTRALIAN NAVY ORDERS

SECTION 1 - ADMINISTRATIVE AND GENERAL
100/74 Promulgated Orders - Tables 1-10
101/74 Promulgated With Day Orders
SECTION 4 - EQUIPMENT, STORES AND
102/74 The Department's Administrative Orders

Navy Office, Canberra,
15 March 1974.

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

100/74—Designated Routes—Torres Strait

1. Two special charts of Torres Strait waters were produced in 1967 and to be designated as UNCLASSIFIED, and as the charts are now out of date an amended version may be required. THIS IS THE SUBJECT OF THIS ORDER.

2. Navy Order 100/74 is hereby cancelled.

(100/74)

(Navy Order 100/74)

UNCLASSIFIED

CONTENTS

No Title

SECTION 1—ADMINISTRATIVE AND GENERAL

100/74 Navigational Charts—Torres Strait.

101/74 Precautions With Tug Wires.

SECTION 4—EQUIPMENT, STORES AND SERVICING

102/74 The Equipment Identification Code (EIC).

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

102/74—The Equipment Identification Code (EIC)

1. An Equipment Identification Code (EIC) is under development at Navy Office. This code provides a means of identifying equipment as part of an equipment without use of lengthy groups of descriptive words and is suitable for automatic data processing. The EIC is being developed primarily for the Defence Reporting and Maintenance Analysis system (DRAMAS) and will be progressively introduced as DRAMAS is completed. The first system, the basic EIC, operating level 1, has three characters which allow identification, maintenance and processing of equipment maintenance information used in DRAMAS specifically for DRAMAS.

2. Instructions covering the introduction of the EIC into current and future Naval maintenance documentation will be issued in due course. The reason for promulgating the first two characters of the EIC in this order is to allow maintenance organizations which have a need to label equipment related documentation under broad category headings to do so.

3. The code is made up from a group of characters, each character of which may be a letter of the alphabet or a numeral between 1 and 9. The code is normally a group of letters with numerals being employed as the code becomes more complex.

- 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 4720.

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

100/74—Navigational Charts—Torres Strait

1. Two special charts of Torres Strait which were produced in 1967 are to be downgraded to 'UNCLASSIFIED', and as the charts are now out of date in various respects, they are to be marked 'NOT TO BE USED FOR NAVIGATION'.

2. Navy Order 31/74 is hereby cancelled.

(1454/3/132)

(Navy Order 31/74)

UNCLASSIFIED

101/74—Precautions With Tug Wires

1. Following a recent accident it is necessary to stress the precautions to be observed with tug wires which are contained in Change 3 to BR 67 (4), Admiralty Manual of Seamanship Volume IV.

2. To minimise the risk of accident onboard should the tug wire, of necessity, be slipped or severed under tension, careful consideration must be given to the method of rigging the towing slip and, when provided, the associated strop.

(32/3/19)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

102/74—The Equipment Identification Code (EIC)

1. An Equipment Identification Code (EIC) is under development at Navy Office. This code provides a means of identifying equipments or parts of an equipment without use of lengthy groups of descriptive words and as such is useful for electronic data processing. The EIC is being developed primarily for the Defect Reporting and Maintenance Analysis system (DRAMA) and will be progressively introduced to ships as DRAMA is introduced. For that system the basic EIC reporting level is four characters which allows identification, extraction and processing of equipment maintenance information stored in EDP specifically for DRAMA.

2. Instructions covering the introduction of the EIC into current and future Naval maintenance documentation will be issued in due course. The reason for promulgating the first two characters of the EIC in this order is to allow maintenance organisations which have a need to index equipment related documentation under broad category headings to do so.

3. The code is made up from a group of characters, each character of which can be a letter of the alphabet or a numeral between 1 and 9. The code is normally a group of letters with numerals being employed as the code becomes more complex.

CONTENTS

THIS

NO

SECTION 1—ADMINISTRATIVE AND GENERAL

100/74 Navigational Charts—Torres Strait

101/74 Precautions With Tug Wires

SECTION 4—EQUIPMENT, STORES AND SERVICING

102/74 The Equipment Identification Code (EIC)

4. The EIC is structured on a functional basis and can contain up to a maximum of ten alphanumeric characters allocated as follows from the left:

- a. *First character.* The field in which an equipment is used in the RAN is divided into a number of areas known as 'services'. The first character of the EIC for any item indicates the service within which it is used.
- b. *Second character.* Each service is divided into a number of 'Main Levels' indicated by the second character of the EIC. In general, ships systems are regarded as main level items, but this level is also used to identify groups of functionally similar equipments.
- c. *Third and fourth characters.* Each 'Main Level' is divided into 'Analysis Levels' as indicated by the third and fourth characters of the EIC. These two characters are allocated as a pair to provide enough combinations to cover the number of different analysis levels which occur. Generally, large free standing items of equipment and major sections of some systems are coded at this level and all items at this level are specifically identifiable by the code which is allocated, ie, type, mark, model, make, model number, etc. Thus equipments are generally identified by a four character EIC.
- d. *Fifth to tenth characters.* These characters are used to identify the lower levels of an equipment, for example, assemblies, sub-assemblies, modules, and parts of modules, etc. The exact structure of the code at this level varies to suit the physical or functional arrangement of the equipment. In general the first level below equipment level (eg, assembly) is identified by the fifth character and the next level (sub-assembly) by the sixth character and the last level(s) (module or component part) by the remaining characters, as required.

5. An example of the code is as follows:

Service—First character—Underwater Weapons Systems—S (Service)

Main Level—Second character—Sonar Systems—Search, Attack—SH

Analysis Level—Third and fourth characters—Sonar 177 SHAN

Fifth character—Sonar 177 Cabinet A SHANA

Sixth character—Cabinet A—Driver Amplifier SHANAB.

6. The codes listed as Annex A to this order represent changes to those listed in Annex C to Navy Order 61/70, and supersede that Annex.

ANNEX A

Equipment Identification Code—Service Index

Service		
A	..	.. MAIN PROPULSION SYSTEMS—STEAM
B	..	.. MAIN PROPULSION SYSTEMS—DIESEL—GAS TURBINE—ELECTRIC
C	..	.. AUXILIARY SYSTEMS—ENGINEERING
D	..	.. AUXILIARY SYSTEMS—SHIP CONTROL
E	..	.. HANDLING AND DECK EQUIPMENT
F	..	.. SUPPORT CRAFT
G	..	.. ELECTRICAL SUPPLY AND DISTRIBUTION SYSTEMS
H	..	.. DOMESTIC AND HOTEL SERVICE EQUIPMENT
J	..	.. UNASSIGNED
K	..	.. HULL STRUCTURE
L	..	.. AVIATION—SHIP INSTALLATION
M	..	.. VENTILATION AND AIR CONDITIONING EQUIPMENT
N	..	.. MACHINERY CONTROL AND DATA LOGGING SYSTEMS
P	..	.. UNASSIGNED
R	..	.. SURFACE WEAPONS SYSTEMS
S	..	.. UNDERWATER WEAPONS SYSTEMS
T	..	.. UNASSIGNED
U	..	.. UNASSIGNED
V	..	.. EXTERNAL COMMUNICATIONS
W	..	.. UNASSIGNED
X	..	.. ELECTRONIC WARFARE EQUIPMENT
Y	..	.. INTERNAL COMMUNICATIONS AND OFFICE EQUIPMENT
1	..	.. RADAR AND ACTION INFORMATION EQUIPMENT
3	..	.. NAVIGATION SYSTEMS
4	..	.. UNASSIGNED
7	..	.. SAFETY—SURVIVAL—DIVING—MEDICAL EQUIPMENT
8	..	.. WORKSHOP EQUIPMENT AND TOOLS
9	..	.. TEST EQUIPMENT

Equipment Identification Code—Main Level Index

'A' Main Propulsion Systems—Steam

AA	..	.. MAIN BOILERS
AB	..	.. TURBINES—MAIN ENGINES
AC	..	.. TURBINE GLAND AND EVACUATION SYSTEMS
AD	..	.. MAIN ENGINES—RECIPROCATING
AE	..	.. MAIN REDUCTION GEARING—PROPELLER SHAFTING AND ANCILLARY EQUIPMENT
AK	..	.. MAIN STEAM AND AUXILIARY SUPER-HEATED STEAM SYSTEMS
AL	..	.. AUXILIARY SATURATED STEAM SYSTEMS AND LOW PRESSURE STEAM SYSTEMS
AM	..	.. AUXILIARY EXHAUST STEAM SYSTEMS AND WASTE STEAM SYSTEMS
AN	..	.. FEED WATER AND CONDENSATE SYSTEMS
AP	..	.. MAIN TURBINE FORCED LUBRICATION SYSTEMS
AR	..	.. MAIN CIRCULATING AND COOLING WATER SYSTEMS
AS	..	.. FURNACE FUEL OIL COMBUSTION SYSTEMS

ANNEX A—continued

'B' Main Propulsion Systems—Diesel—Gas Turbine—Electric

BA	DIESEL MAIN ENGINES
BC	GAS TURBINE MAIN ENGINES
BD	GAS TURBINE EXHAUST SYSTEMS
BE	MAIN REDUCTION GEARING—PROPELLER SHAFTING AND ANCILLARY EQUIPMENT
BF	GAS TURBINE INDUCTION AIR SUPPLY SYSTEMS
BH	DIESEL ENGINES INDUCTION AIR SUPPLY SYSTEMS
BJ	DIESEL ENGINES EXHAUST SYSTEMS
BK	MAIN ENGINE CIRCULATING AND COOLING WATER SYSTEMS
BL	GENERATORS, EXCITERS AND CONTROL EQUIPMENT—MAIN PROPULSION
BP	FORCED LUBRICATION SYSTEMS—MAIN PROPULSION
BR	FUEL SYSTEM—MAIN ENGINES
BV	ELECTRIC MOTORS—MAIN PROPULSION

'C' Auxiliary Systems—Engineering

CA	AUXILIARY STEAM BOILERS
CB	STEAM TURBINE GENERATORS—PRIME MOVER
CC	FIREMAIN AND HULL SERVICE PUMPS
CD	FIREMAIN AND PRE-WETTING SYSTEMS
CE	COMPRESSED AIR SYSTEMS
CF	AIR COMPRESSORS
CG	EVAPORATING AND DISTILLING PLANTS
CH	MAIN REFRIGERATION PLANTS
CK	GAS GENERATING AND STORAGE PLANTS
CL	HYDRAULIC RING MAIN SYSTEMS
CM	SANITATION SYSTEMS
CP	AUXILIARY CIRCULATING AND COOLING WATER SYSTEMS
CR	FUEL OIL SERVICE AND TRANSFER SYSTEMS
CT	DIESEL GENERATORS—PRIME MOVER
CU	GAS TURBINE DRIVEN AUXILIARIES
CV	NBCD AND DAMAGE CONTROL EQUIPMENT
CW	MAIN SUCTION—BILGE EDUCATION AND MINOR SUCTION SYSTEMS
CX	FRESH WATER SYSTEMS—HOT AND COLD SERVICE
CY	BALLASTING SYSTEMS
C1	SUBMARINE WATER SERVICE AND TRIMMING SYSTEM
C3	SUBMARINE TANK PRESSURE SYSTEM

'D' Auxiliary Systems—Ship Control

DA	STEERING GEAR AND RUDDERS
DB	STEERING EQUIPMENT CONTROL CONSOLES
DD	BOW THRUSTERS
DE	STABILISERS
D3	SUBMARINE HYDROPLANES AND ASSOCIATED EQUIPMENT
D4	SUBMARINE AUTOMATIC ONE MAN CONTROL SYSTEM
D7	SUBMARINE CONTROL PANELS

ANNEX A—continued

'E' Handling and Deck Equipment

EA	WINCHES AND HOISTING EQUIPMENT
EB	CAPSTANS
EC	CHAIN HOISTS
ED	LIFTS
EE	CONVEYORS
EF	CRANES AND DERRICKS
EG	POWER OPERATED DOORS—HATCHES—RAMPS
EH	REPLENISHMENT EQUIPMENT
EJ	BOAT STOWAGE EQUIPMENT
EK	BOAT DAVITS
EL	MOBILE HANDLING EQUIPMENT
EM	BOOMS—LADDERS—BROWS
EN	ANCHORS—MOORING—TOWING GEAR
EP	RIGGING
ER	PORTABLE BUOYS AND FENDERS
ES	ROPE REELS—WIRE REELS—DECK LOCKERS

'F' Support Craft

FA	SUPPORT CRAFT HULL—ENGINES AND ANCILLARY SYSTEMS
FD	DINGHIES AND RUNABOUTS
FE	OUTBOARD MOTORS
FF	DIESEL GENERATORS (COMPLETE UNITS FITTED IN SUPPORT CRAFT)

'G' Electrical Supply and Distribution Systems

GA	GENERATORS—MAIN
GB	SWITCHBOARDS—MAIN
GC	GENERATORS—AUXILIARY
GD	SWITCHBOARDS—AUXILIARY
GE	EMERGENCY GENERATORS
GH	DISTRIBUTION ANCILLARIES
GJ	LIGHTING EQUIPMENT
GK	POWER CONVERSION EQUIPMENT—ROTATING
GL	POWER CONVERSION EQUIPMENT—STATIC
GM	BATTERIES AND BATTERY CHARGERS
GN	DE-GAUSSING EQUIPMENT
GP	CATHODIC PROTECTION EQUIPMENT
G1	SWITCHBOARDS—SUBMARINES
G3	SUBMARINE MAIN BATTERIES AND ANCILLARY EQUIPMENT

'H' Domestic and Hotel Service Equipment

HA	GALLEY MOTOR DRIVEN EQUIPMENT
HB	GALLEY ELECTRIC COOKING EQUIPMENT
HC	GALLEY STEAM COOKING EQUIPMENT
HD	GALLEY OIL/GAS COOKING EQUIPMENT
HE	DOMESTIC WATER HEATING EQUIPMENT
HF	SERVERY AND FOOD PREPARATION EQUIPMENT
HG	DOMESTIC REFRIGERATORS—COLD COUNTERS—COOL WATER DRINKING UNITS
HH	SCULLERY EQUIPMENT

ANNEX A—continued

'H' Domestic and Hotel Service Equipment—continued

HJ GARBAGE DISPOSAL UNITS
 HK PLUMBING FIXTURES
 HL LAUNDRY EQUIPMENT
 HM DOMESTIC CLEANING EQUIPMENT
 HN GENERAL DOMESTIC FURNISHINGS

'K' Hull Structure

KA OUTER BOTTOM PLATING AND SHELL
 KB SHIPS STRUCTURE—FRAMING AND KEELS
 KC INNERBOTTOM PLATING
 KD DECKS AND ASSOCIATED FITTINGS
 KE WATER/GAS/OIL TIGHT OPENINGS
 KF MAIN PROPULSION AND AUXILIARY MACHINERY SEATINGS
 KG NON-WATERTIGHT OPENINGS AND BULKHEADS
 KH WEAPON SEATINGS
 KJ BULKHEADS AND SCREENS
 KK TRUNKS, TUNNELS
 KL STRUCTURAL SPONSONS
 KM TANKS AND ASSOCIATED EQUIPMENT
 KN STRUCTURAL CASTINGS, FORGINGS AND EQUIVALENT WELDMENTS
 KP SCUPPERS AND DRAINS
 KR MASTS—OUTER FUNNEL CASINGS AND ASSOCIATED FITTINGS
 KS GRP STRUCTURES
 KT SACRIFICIAL ANODES
 KU HULL INSULATION
 K1 SUBMARINE PRESSURE HULL AND DOME BULKHEADS
 K3 SUBMARINE EXTERNAL TANKS AND PLATING
 K4 SUBMARINE CONNING TOWERS AND ESCAPE TOWERS
 K7 SUBMARINE FIN AND CASING

'L' Aviation—Ship Installation

LA FLIGHT DECK AND ASSOCIATED FITTINGS
 LB FLIGHT DECK PORTABLE FITTINGS AND EQUIPMENT
 LC CATAPULT AND ASSOCIATED EQUIPMENT
 LD CATAPULT PROPULSION MACHINERY
 LE AIRCRAFT ENGINE STARTING EQUIPMENT
 LF SPECIAL SUPPORT EQUIPMENT
 LG AIRCRAFT CONTROL ROOM EQUIPMENT
 LH AIRCRAFT TESTING EQUIPMENT
 LJ HANGAR MACHINERY AND SYSTEMS

'M' Ventilation and Air Conditioning Equipment

MA FANS—ELECTRIC DRIVEN
 MD FANS—OTHER THAN ELECTRIC DRIVEN
 MG VENTILATION BRANCH SERVICES EQUIPMENT
 MJ AIR TREATMENT UNITS AND SELF CONTAINED AIR CONDITIONING UNITS
 MM AIR CONDITIONING MACHINERY
 MN AIR FILTRATION UNITS

ANNEX A—continued

'N' Machinery Control and Data Logging Systems

NB PROPULSION MACHINERY CONTROL AND MONITORING EQUIPMENT
 NC AUXILIARY MACHINERY CONTROL AND MONITORING EQUIPMENT

'R' Surface Weapons Systems

RA GUN MOUNTINGS
 RB WEAPON DIRECTION SYSTEMS
 RC MISSILE LAUNCHER AND HANDLING SYSTEMS
 RD GUN FIRE CONTROL SYSTEMS
 RE MISSILE FIRE CONTROL SYSTEMS
 RT SMALL ARMS
 RU ROCKET LAUNCHERS
 RW AMMUNITION HANDLING EQUIPMENT
 RX TEACHING AND TRAINING EQUIPMENT
 RY SPECIALISED TEST EQUIPMENT AND RECORDERS

'S' Underwater Weapons Systems

SA UNDERWATER WEAPON FIRE CONTROL SYSTEMS
 SB MISSILE AND MORTAR LAUNCHERS AND HANDLING SYSTEMS
 SD SURFACE LAUNCHED TORPEDO TUBES AND HANDLING SYSTEMS
 SE MINEHUNTING AND MINESWEEPING SYSTEMS
 SH SONAR SYSTEMS—SEARCH—ATTACK
 SJ SONAR SYSTEMS—COUNTERMEASURES
 SK SONAR SYSTEMS—COMMUNICATIONS
 SL SONAR SYSTEMS—ECHO SOUNDERS
 SM SONAR TEACHERS AND TRAINERS
 SP SONAR SYSTEMS—PASSIVE
 SR SONAR HULL OUTFITS AND HANDLING EQUIPMENT
 SS BATHYTHERMOGRAPHERS
 SI SUBMARINE TORPEDO SYSTEMS
 S3 SUBMERGED SIGNAL EJECTORS

'V' External Communications

VA ANTENNA SYSTEMS
 VD FREQUENCY STANDARDS AND SYNTHESISERS
 VE COMMUNICATIONS TRANSMITTERS
 VF COMMUNICATIONS RECEIVERS
 VG COMMUNICATIONS TRANSCEIVERS
 VH MICROWAVE COMMUNICATIONS EQUIPMENT
 VK CONTROL AND REMOTE CONTROL OUTFITS
 VN TELETYPEWRITER AND TELEGRAPH TERMINAL EQUIPMENT
 VP CRYPTO EQUIPMENT
 VT VISUAL AND INFRA-RED SIGNALLING EQUIPMENT
 VU FACSIMILE EQUIPMENT

ANNEX A—continued

'X' Electronic Warfare Equipment

XA ANTENNA SYSTEMS
 XC RECEIVING EQUIPMENT
 XD ANCILLARY EQUIPMENT
 XE COMPUTING EQUIPMENT
 XF TRANSMITTING EQUIPMENT

'Y' Internal Communications and Office Equipment

YA TELEPHONE AND INTERPHONE SYSTEMS
 YB BROADCAST SYSTEMS AND EQUIPMENT
 YC ENTERTAINMENT EQUIPMENT
 YD ALARM AND WARNING SYSTEMS
 YE VISUAL INDICATORS AND ORDER TRANSMISSION EQUIPMENT
 YF OFFICE EQUIPMENT
 YG PHOTOGRAPHIC EQUIPMENT
 YH VERSATILE CONSOLE SYSTEM EQUIPMENT

'1' Radar and Action Information Equipment

1A AIR SURVEILLANCE RADAR
 1C METEOROLOGICAL RADAR
 1F NAVAL COMBAT DATA SYSTEM (NCDS)
 1H HEIGHT FINDING RADAR
 1J IFF
 1L RADAR DISPLAYS AND PLOTTING TABLES
 1M SURFACE SURVEILLANCE AND NAVIGATION RADARS
 1R GROUND AND CARRIER CONTROL APPROACH RADARS
 1T RADAR ANCILLARIES
 1U SPECIALISED TEST AND RECORDING EQUIPMENT

'3' Navigation Systems

3A COMPASS EQUIPMENT
 3B SHIP'S SPEED AND DISTANCE MEASURING EQUIPMENT
 3D WIND INDICATING EQUIPMENT
 3F WINDSCREEN EQUIPMENT
 3G INSTRUMENTS
 3H OPTICAL EQUIPMENT
 3J RADIO NAVIGATIONAL AIDS
 3K AUTOMATIC PILOTS
 3L SIRENS AND FOGHORNS
 3 1 SUBMARINE PERISCOPES AND MASTS

'7' Safety—Survival—Diving—Medical Equipment

7B LIFESAVING EQUIPMENT
 7C DIVING EQUIPMENT
 7D SURVIVAL EQUIPMENT
 7E SICKBERTH AND DENTAL EQUIPMENT
 7F INFLATABLE BOATS
 7G SAFETY EQUIPMENT
 7 1 SUBMARINE ESCAPE EQUIPMENT

ANNEX A—continued

'8' Workshop Equipment and Tools

8A MACHINE TOOLS—POWER—FIXED
 8B POWER TOOLS—PORTABLE—ELECTRICALLY DRIVEN
 8C POWER TOOLS—COMPRESSED AIR DRIVEN
 8D HAND TOOLS
 8E WELDING EQUIPMENT
 8F SPECIALISED WORKSHOP EQUIPMENT
 8G TOOL ROOM MATERIAL STANDARDS
 8H FURNACES AND OVENS
 8J SPRAY PAINTING EQUIPMENT
 8K HARMONIC AND STATIC BALANCING MACHINES
 8L CLEANING EQUIPMENT
 8M PAINTS AND PROTECTIVE MATERIALS
 8N WORK BENCHES, LOCKERS, BINS AND CABINETS

'9' Test Equipment

9A VOLTMETERS—AMMETERS—MULTIMETERS
 9B OSCILLOSCOPES
 9C SIGNAL GENERATORS AND DISTORTION METERS
 9D FREQUENCY AND TIME MEASURING INSTRUMENTS
 9E POWER MEASURING INSTRUMENTS AND POWER SUPPLIES
 9F PROGRAMMED TEST SETS—DATA LOGGING TESTING SYSTEMS
 9G TEST SETS—ATTENUATORS—DUMMY LOADS—RECORDERS
 9K OPTICAL INSTRUMENTS
 9L STANDARDS EQUIPMENT
 9M PULSE AND NOISE GENERATORS
 9P IMPEDANCE MEASURING INSTRUMENTS

(400/1/3678)

Appendix A - Equipment

X Workshop Equipment and Tools

MAchine TOOLS—POWER—FIXED .. 1A ..

POWER TOOLS—PORTABLE—ELECTRICALLY DRIVEN .. 1B ..

POWER TOOLS—COMPRESSION AIR DRIVEN .. 1C ..

HAND TOOLS .. 1D ..

WELDING EQUIPMENT .. 1E ..

SPECIALIZED WORKSHOP EQUIPMENT .. 1F ..

TOOL ROOM MATERIAL STANDARDS .. 1G ..

PURCHASING AND OVERT .. 1H ..

WREATH PAINTING EQUIPMENT .. 1I ..

MEASURING AND TESTING STANDARDS .. 1J ..

CLEANING EQUIPMENT .. 1K ..

PAINTS AND PROTECTIVE MATERIALS .. 1L ..

WORK GENERAL TOOLS .. 1M ..

Y Test Equipment

VOLTMETERS—ANALOG—MULTIRANGE .. 1N ..

OSCILLOSCOPES .. 1O ..

SIGNAL GENERATORS AND DISTORTION METERS .. 1P ..

FREQUENCY AND TIME MEASURING INSTRUMENTS .. 1Q ..

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Z (continued)

TEMPERATURE STANDARDS .. 2A ..

TEMPERATURE MEASURING EQUIPMENT .. 2B ..

TEMPERATURE MEASURING EQUIPMENT .. 2C ..

TEMPERATURE MEASURING EQUIPMENT .. 2D ..

TEMPERATURE MEASURING EQUIPMENT .. 2E ..

TEMPERATURE MEASURING EQUIPMENT .. 2F ..

TEMPERATURE MEASURING EQUIPMENT .. 2G ..

TEMPERATURE MEASURING EQUIPMENT .. 2H ..

TEMPERATURE MEASURING EQUIPMENT .. 2I ..

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TEMPERATURE MEASURING EQUIPMENT .. 2K ..

TEMPERATURE MEASURING EQUIPMENT .. 2L ..

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TEMPERATURE MEASURING EQUIPMENT .. 2N ..

TEMPERATURE MEASURING EQUIPMENT .. 2O ..

TEMPERATURE MEASURING EQUIPMENT .. 2P ..

TEMPERATURE MEASURING EQUIPMENT .. 2Q ..

TEMPERATURE MEASURING EQUIPMENT .. 2R ..

TEMPERATURE MEASURING EQUIPMENT .. 2S ..

TEMPERATURE MEASURING EQUIPMENT .. 2T ..

TEMPERATURE MEASURING EQUIPMENT .. 2U ..

TEMPERATURE MEASURING EQUIPMENT .. 2V ..

TEMPERATURE MEASURING EQUIPMENT .. 2W ..

TEMPERATURE MEASURING EQUIPMENT .. 2X ..

TEMPERATURE MEASURING EQUIPMENT .. 2Y ..

TEMPERATURE MEASURING EQUIPMENT .. 2Z ..



DWLS

RESTRICTED

ANOs 103/74-120/74



AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
4 April 1974.

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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- 103/74 Functions and Roles of the Australian Forces.
104/74 Safety—Accident Prevention Policy.
105/74 Safety—Hazard Survey and Inspection Team.

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- 106/74 Seaman Officers—Suitability for Employment as Submarine Executive Officer.
107/74 Royal Australian Fleet Reserve (Short Title—RAFR).

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- 108/74 Communications and Radio—Use of High Tension Isolating and Earthing Switches when Carrying out Adjustments to High Power Transmitters.
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SECTION 5—BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

- 116/74 Manual of Naval Law (ABR 5151)—Discipline.
117/74 ABR 5074—RAN Catalogue of Materiel—Re-identification of a Service Stock Number to More Than One DSN.

AMENDMENTS

- 118/74 Introduction of Safety Spectacles for Wear by Visicorder Operators.
119/74 Officers—Supplementary List Aircrew Qualifications for Full Seaman Duties.
120/74 Postings, Compassionate Leave and Discharge Procedures.

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 4720.

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

103/74—Functions and Roles of the Australian Forces

Introduction

1. The purpose of this order is to provide a statement in broad and fundamental terms of the functions and roles of the Australian Defence Force. The fulfilment of a specified role embraces numerous activities which are essential to enable a Service to discharge its functions.

2. The approved definitions of function, role, mission and task are listed hereunder. It is most important that these definitions be applied consistently, and that any statement of functions, etc, be tested against them before being used:

- Function* .. broad responsibility proper to an organisation.
Role .. type of activity involved in discharging a function.
Mission .. the task together with its purpose, thereby clearly indicating the action to be taken and the reason therefore.
Task .. a particular undertaking.

3. The statement of functions and roles, and the operational responsibilities of the Defence Force developed from them, provides clear guidance on what is the business of each Service. This guidance is necessary in making decisions on the capabilities to be developed by the Defence Force. Basically, functions are unchanging; roles are subject to change with developments in science and technology and changes in equipment, weapons and tactics; whilst capabilities to perform missions and tasks are developed against a periodic re-assessment of the strategic basis of Australian Defence Policy and joint concepts of operations. The statement of a role or function does not, in itself, require that a capability to discharge it must be provided. Decisions to provide capabilities, and the extent to which they are provided are made from a critical analysis of, inter alia, threats, priorities, and resources and the requirement to maintain and develop specialised forms of warfare.

Common Functions

4. The common functions of the Australian Defence Force are, by acting as an independent national force or in association with Allied Forces, to:

- deter aggression;
- ensure the security of Australia and its Territories;
- uphold and protect Australia's national interests by military means; and
- contribute to United Nations supervisory or peace keeping forces.

Common Roles

5. Common roles of the Defence Force are:

- to prepare forces and maintain reserves of equipment and supplies for the effective discharge of the common function;
- to organise, train and equip forces for joint operations and to establish joint or combined headquarters as necessary;

- c. to develop and maintain reserve forces to supplement or expand the Regular Force;
- d. to assist each other in fulfilling their single Service roles;
- e. to develop the requirement facilities to establish, manage and operate bases, and other installations;
- f. to provide joint and single Service communications;
- g. to provide intelligence for the National Intelligence Organisation and operational intelligence for the Services;
- h. to provide assistance and training for the military forces of designated nations;
- i. to provide aid to the civil power as directed;
- j. to provide assistance to civil authorities and organisations as authorised;
- k. to conduct research, and develop tactics, techniques and organisation for the fulfilment of their roles.

Single Service Functions

6. Single Service Functions are:

- a. *Royal Australian Navy*. The conduct of operations at sea for the defence of Australia and Australian interests.
- b. *Australian Army*. The conduct of operations on land for the defence of Australia and Australian interests.
- c. *Royal Australian Air Force*. The conduct of operations in the air for the defence of Australia and Australian interests.

Single Service Roles

7. *Royal Australian Navy*. The roles of the Royal Australian Navy are:

- a. to organise, train and equip naval forces, including naval aircraft, for timely and sustained combat operations at sea:
 - (1) to detect and destroy enemy naval forces and sea commerce;
 - (2) to establish and maintain superiority in areas as necessary for naval operations including the protection of sea lines of communication;
 - (3) to conduct naval offensive operations against enemy forces and installations; and
 - (4) to conduct naval reconnaissance and surveillance anti-submarine warfare, the protection of shipping;
- b. to provide naval support for land operations;
- c. to provide military sea transport for the Australian Services;
- d. to provide seaward defence of ports and anchorages; and
- e. to conduct hydrographic and oceanographic survey.

8. *Australian Army*. The roles of the Australian Army are:

- a. to organise, train, equip and maintain Army forces for the conduct of timely and sustained combat operations on land;
- b. to provide specified logistic services and support the other Australian Services; and
- c. to provide general area ground defence of Service installations and low level air defence in designated areas.

9. *Royal Australian Air Force*. The roles of the Royal Australian Air Force are:

- a. to organise, train and equip air forces for timely and sustained combat operations;
 - (1) to defend Australia, its Territories and its Armed Forces against attack;
 - (2) to undertake offensive air operations against enemy forces and installations;
 - (3) to control vital areas and to establish and maintain local superiority as and where required;
 - (4) for air reconnaissance throughout the air areas of operational interest; and
 - (5) for maritime operations including air support and sea surveillance;
- b. to provide offensive air support and tactical air transport to the Australian Services; and
- c. to provide strategic air transport aircraft and provision of other air transport support for the Australian Services.

10. Navy Order 326/73 is hereby cancelled.

(1600/8/82)

(Navy Order 326/73)

UNCLASSIFIED

104/74—Safety—Accident Prevention Policy

1. Accidents are wasteful of human lives, ships, equipment and property, and a serious handicap to the operational effectiveness of the Navy. All practicable steps must be taken to eliminate accidents. A planned accident prevention policy has proved to be the most effective way of reducing accidents.

Introduction

2. Most tasks can be accomplished safely without hazard to ship or personnel, especially in a non-operational environment. Many accidents are not the direct result of operations, but are the result of human errors. There are many underlying reasons for such errors, the most important being forgetfulness and ignorance—forgetfulness of what caused accidents in the past, and ignorance of what may lead to accidents in the future. Sound safety practices are based on full and accurate reporting of all occurrences which lead, or might have led, to an accident. Thorough investigation is a pre-requisite for these reports which are studied and analysed at Navy Office to ensure that corrective action has been taken, to isolate causes, establish trends, determine future policy, and plan co-ordinated accident prevention campaigns. Such campaigns cannot be effective without the active co-operation of all personnel at all levels.

Responsibilities

3. The Co-ordinator of Naval Safety (CONS) is responsible to the Naval Board for the development, promotion and co-ordination of all aspects of safety in the RAN.

Functional Responsibility

4. The command must balance operational requirement with safety, so the onus for safety is placed directly upon the operational commander. Safety is thus a function of command. Modern technology, systems and techniques require the delegation of authority—safety is therefore an integral part of the responsibility of command at all levels of delegation.

Implementation

5. Each ship and establishment is to maintain an active accident prevention plan designed to ensure the safety of the ship and personnel, with an adequate organisation to implement that plan. (Navy Order 105/74 details the functions and responsibilities of the Hazard Survey and Inspection Teams in ships and establishments.)

6. Safety planning aims to ensure that:

- a. work environments are maintained in a safe condition;
- b. the correct methods of working are specified with any necessary precautions being detailed and hazards highlighted;
- c. only approved plant, equipment and appliances are used, properly maintained, and that adequate safety guards are fitted where necessary;
- d. personnel at all levels are made aware of their individual responsibilities regarding accident prevention;
- e. safety standards in the RAN are no less than the minimal Federal or State standards;
- f. all accidents are investigated and reported as soon as possible and that all appropriate remedial action is taken (*see* Navy Order 105/74).
- g. a continuous programme of safety publicity and education is maintained, highlighting hazards and accident causes to prevent recurrences.

7. The majority of accident causes can be traced to human fallibility. In the RAN this can be countered by higher professional standards, a conscientious application to every task, a conscious awareness of inherent hazards and by high morale. These are the products of inspired leadership. Therefore, it is the command and the leader at every level who can do most to achieve safety and eliminate accidents.

8. Accidents continue to impose an unacceptable drain on lives and vital resources on which the nation depends for its security. The expense of training and the cost of modern equipments make the preservation of these resources a major consideration in accomplishing the RAN task.

(177/1/163)

(Navy Order 105/74)

UNCLASSIFIED

105/74—Safety—Hazard Survey and Inspection Team

1. Most accidents can be eliminated. An accident may be an indication that some element of supervision could be defective. In an endeavour to reduce accidents, Hazard Survey and Inspection Teams are formed in all ships and establishments.

2. The Commanding Officer is to nominate members of the ship's Hazard Survey and Inspection Team which is to be:

- a. directly responsible to the Commanding Officer, or have right of access to him on safety matters;
- b. independent of all branches so that it may be unbiassed in its outlook; and
- c. drawn from all branches to ensure a co-ordinated viewpoint.

3. The Hazard Survey and Inspection Team is to periodically undertake a planned inspection of all departments, the aim of such inspection being to detect hazards and unsafe acts. The results of these surveys are to be reported to the Commanding Officer and action recommended where necessary. The report to the Commanding Officer is to show:

- a. action which can be taken within the ship/establishment and its environs to eliminate hazards and prevent unsafe acts;
- b. organisational faults affecting safety; and
- c. that appropriate defect action has been initiated on all entries in Section 2 of the Hazard Survey Log (Form PA245).

The Hazard Survey Log

4. The Hazard Survey Log is being introduced into the Royal Australian Navy to assist Hazard Survey and Inspection Teams. The log is in two parts:

- a. section 1—containing information concerning accidents; and
- b. section 2—detailing the hazards.

5. The correct compilation of this log will assist the Hazard Survey and Inspection Team to eliminate accidents by highlighting potential causes. Instructions for the use of Form PA245 are contained inside the front cover.

Reporting

6. All accidents or near accidents are to be investigated by the Hazard Survey and Inspection Teams and reports submitted on Form PA123 in accordance with RI Article 1624. These returns are important to establish trends and help formulate an effective accident prevention programme.

7. Administrative Authorities are to remark on the activities and effectiveness of Hazard Survey and Inspection Teams in their Inspection Reports.

(177/1/221)

Section 2**PERSONNEL**

RESTRICTED

106/74—Seaman Officers—Suitability for Employment as Submarine Executive Officer

1. Forms PP101 for submarine seaman officers of Lieutenants rank who have not yet been posted as Executive Officer of a submarine are to include, in Section V, remarks on their suitability for such a posting.

2. An early indication is required if officers who are not so recommended are to have the opportunity to sub-specialise in General Service.

3. This order will be incorporated in RI in due course.

4. Navy Order 115/71 is hereby cancelled.

(312/203/119)

(Navy Order 115/71)

UNCLASSIFIED

107/74—Royal Australian Fleet Reserve (Short Title—RAFR)

1. The following is a paraphrase of Chapter 4 of Reserve Instructions (RESINS) which will be promulgated to the Fleet and shore establishments as ABR 8096 in due course.

Function

2. The RAFR is established so that former sailors of the PNF can provide a reserve of trained personnel available to man ships and other naval activities which would be required in time of war or a defence emergency.

Organisation

3. So that the value of their naval training is not entirely lost to the RAN, sailors who do not re-engage in the PNF are encouraged to enlist in the RAFR. The RAFR is a component of the CNF and is liable to be called out for continuous service in time of war or time of defence emergency. ABR 18 Article 1301 directs that all eligible and suitable sailors are to be asked if they wish to join the RAFR on discharge from the PNF and this fact reported in the discharge signal.

Administration

4. The RAFR is administered directly by the Director of Naval Reserves.

Eligibility

5. Sailors with the following qualifications are eligible to serve in the RAFR:
- at least three years service in the PNF or equivalent naval force of a Commonwealth nation;
 - holds the rank of Able Seaman or above;
 - medically fit;
 - has a satisfactory service record; and
 - was not discharged from the PNF more than five years before.

Enlistment

6. The normal period of enlistment is five years.

7. In the case of a sailor who has less than five years service available between the date of discharge from the PNF and the date of his compulsory retirement from the RAFR he may be enlisted for the period necessary to reach retiring age.

Re-engagement

8. Selected sailors of the rank of Leading Seaman and above may be re-engaged for successive periods of five years up to retiring age.

Retiring Ages

9. The ages for compulsory retirement are as follows:
- Naval police sixty years
 - all other sailors fifty-five years

Rank

10. A sailor is enlisted in the RAFR in the rank held in the PNF or the RANER on discharge. Temporary rank is disregarded.

Promotion

11. There are no avenues for promotion in the RAFR except when undertaking continuous full time service, either voluntarily or on call out.

Training

12. Members are not liable for naval service except when called out.

Voluntary Service

13. A sailor may volunteer at any time to render continuous full time service in accordance with Navy Order 327/73.

Uniform

14. A sailor in the RAFR is not required to maintain a uniform kit. In the event of call out or undertaking voluntary service, uniform will be issued to the scales set out in ABR 93, Victualling Manual.

Discharge

15. A sailor may claim his discharge before the completion of his engagement by giving three months notice in writing to the Director of Naval Reserves.

16. A sailor may not apply for discharge in the following circumstances:

- when a time of war or defence emergency has been proclaimed; or
- when rendering voluntary full time naval service for an agreed period in accordance with Navy Order 327/73.

17. A sailor may be discharged from the RAFR for the following reasons:

- retrenchment;
- medical unfitness; or
- his retention is not in the interest of the Naval Forces.

18. Navy Order 94/71 is hereby cancelled.

(465/1/1170)

(Navy Orders 94/71 and 327/73)

Section 4**EQUIPMENT, STORES AND SERVICING**

UNCLASSIFIED

108/74—Communications and Radio—Use of High Tension Isolating and Earthing Switches when Carrying out Adjustments to High Power Transmitters

1. The Naval Board are concerned that personnel engaged upon the adjustment and maintenance of high powered shore station transmitters are not always making full use of the safety precautions provided. A fatal accident in the RAN was attributable to failure to make use of such facilities.

2. Although personnel concerned should take all normal precautions to avoid shock from the primary supply voltage and the various derived voltages available from the transmitter circuits, it should be clearly realised that the greatest danger to life is from the Main HT Supply and RF voltages derived from it. All large shore station transmitters are fitted with manually operated HT isolating and/or earthing switches intended to render the transmitter safe should the automatic interlock safety circuits become defective.

3. Commanding Officers and Officers in Charge of shore wireless stations are to issue the necessary orders to ensure that HT isolating switches, safety switches and earthing switches have operated to the 'safe' position before removal of protection panels, opening of cage doors, etc. Where this procedure is not practicable, eg, retuning of CX2 transmitters, orders are to be issued which clearly describe the routines necessary to ensure that accessible components have been rendered safe.

4. Before carrying out work or adjustment inside the transmitter the main HT line is to be shorted to earth and is to remain shorted whilst such work is being carried out; this may be accomplished by hanging the 0559-199139 Earthing Set on a convenient point on the HT line. The earthing sets, which are to be provided at each transmitter, are to be inspected frequently, to ensure that the metal hook is provided with an efficient path to earth.

5. The allowance of earthing sets is shown in Annex A. Station staffs are to connect the requisite length of 0561-414-7817 Flexible Cable to each rod, the cable should be of sufficient length to ensure that all transmitter components can be conveniently reached. The remote cable end should be permanently and securely fastened to an efficient earth point on or adjacent to the transmitter framework. It is essential that this point is at earth potential and that the connection is secure and electrically efficient.

6. Rubber gloves are to be supplied and are to be kept in the transmitter room. They must always be worn by personnel when handling aerials or feeder lines in the transmitter room or in the vicinity of other transmitter aerials or feeders which are energised. Although a transmitter may be switched off, or an aerial feeder disconnected, transmissions from other sets may induce large radio frequency currents in the disconnected feeder wires.

7. Routine precautions and safety drill applicable to each set are laid down in the appropriate handbooks, but the attention of all personnel working on high-powered transmitters and their associated feeders and aerials, is drawn to this order.

8. Navy Order 97/71 is hereby cancelled.

ANNEX A

Station or Establishment	Allowance
Naval Communications Stations, Canberra	45
Naval Communication Station, Darwin	20
HMAS ALBATROSS	7
HMAS TARANGAU	5
HMAS CERBERUS	1

(400/1/3804)

(Navy Order 97/71)

UNCLASSIFIED

109/74—Curtains and Overcases in HMA Ships—Conditions of Selection

A review of the current cost and supply arrangements for materials required for the allowances included in RAN Allowance List (Category) 85 (Curtains and Overcases for HMA Ships), has been undertaken and the conditions are varied as follows:

- a. the cost price of vinyl upholstery for overcases is not to exceed \$5.50 per yard; and
- b. glass leno material for the manufacture of curtains is now held as a stock item. The range held may be viewed at dockyards and the selected colour/s demanded from the Superintending Victualling Store Officer (Depot Code 0124).

(514/51/4)

UNCLASSIFIED

110/74—Fire Precautions—Replacement of CTC Type Fire Extinguishers

1. BCF fire extinguishers were initially introduced into the RAN as a replacement for CTC extinguishers in new motor vehicles. Existing motor vehicles retained the fitted CTC extinguishers (Navy Order 478/71 refers).

2. In the interests of standardisation, considering the wider use of BCF following adoption of NSOR 16/71, CTC extinguishers are to be withdrawn from service and replaced with 2 lb or 3 lb BCF extinguishers as appropriate.

(400/1/3616)

(Navy Order 478/71)

UNCLASSIFIED

111/74—Line Throwing Equipment—Machines Rewinding Mark 1 Mod 1—Introduction into Service

1. *Introduction* .. The purpose of this order is to introduce Machine Rewinding Mark 1 Mod 1 into general RAN service. The rewinding machine is to be considered as an accessory to the line throwing rifle and is to be used to rewind the nylon line. The machine is currently on issue to DDGs.

2. *Description* .. Machine Rewinding Mark 1 Mod 1 will be held on charge as follows:

Class	Catalogue No	Description	Acctg UI Classn
1095	00-380-8786	MACHINE REWIND- ING MARK 1 MOD 1	EA P

3. *Allowances* .. Allowances are detailed in Annex A to this order.

4. *Issue Procedure* .. Machine Rewinding Mark 1 Mod 1 will be issued without demand to all ships and establishments, as detailed in Annex A, as stocks become available.

5. *Publications* .. Warrants of Naval Armament Stores will be amended in due course.

6. *Operational Instructions* .. Operating instructions are provided with each machine.

ANNEX A

Allowances of Machine Rewinding Mark 1 Mod 1 in the RAN

Ship/Establishment	Allowance
HMAS MELBOURNE ..	4
HMAS SUPPLY ..	4
HMAS STALWART ..	2
DDGs ..	2 each
Daring DDs ..	2 each
River Class DEs ..	2 each
HMAS MORESBY ..	1
HMAS FLINDERS ..	1
HMAS DIAMANTINA ..	1 (and for HMAS COOK on commissioning)
Patrol Boats ..	1 each
MCMVs ..	1 each
Submarines ..	1 each
TRVs ..	1 each
LCHs ..	1 each
HMAS CERBERUS ..	2 (1 No 'G' School; 1 No Seamanship School) for training
HMAS PENGUIN ..	1 (for Seamanship School) for training
HMAS TARANGAU ..	2 (for PNG training)

(700/57/797)

UNCLASSIFIED

112/74—Machinery—Pumps—Weirs TWL Feed Pumps—Impeller Securing Bolt

1. In some TWL feed pumps failures have occurred which have been associated with the shearing of the impeller securing bolt. This bolt is referred to in PILs as 'Impeller Cap Screw'.

2. The impeller bolt design has been improved over the past years by detailed attention to surface finish and to radii, etc. These changes have not warranted changing existing bolts by modification action.

3. To overcome the risk of failures due to fatigue, this bolt requires to be correctly tightened (see BR 3428 Chapter 4—Change No 2 Paragraph 34). On each occasion that the impeller securing arrangement is disturbed, except for initial fitting of a replacement rotating assembly, the impeller bolt is to be replaced by a spare and the old bolt discarded.

4. BR 3428 will be amended. However in the interim Paragraph 34, Chapter 4, of BR 3428, is to be annotated with the comments contained in Paragraph 3 above.

5. Ships are to increase their onboard spares holdings to comply with those indicated in the tabular statement below. SMSO has been alerted to the increase in demands which will result.

Class of Ship	Type of Pump BP—Balance Piston	Refer to PIL	Entry No	Stock No of Bolt	On-board Stock-required per Ship
		No fitted			
HMAS SWAN and TORRENS	TWL 35M (BP) TWL 20M (BP)	1 2	WER/234 WER/235	130 134	5306-66-04 7-4228
					3

6. Navy Order 125/71 is hereby cancelled.

(400/1/1590)

(Navy Order 125/71)

UNCLASSIFIED

113/74—Medical Stores—HMA Ships in Reserve

1. To provide an immediate supply of dressings in case of accidents to working parties or inspection parties in non-living ships of the reserve group, each party is to take a small first-aid satchel with them when proceeding to such ships for duty.

2. The satchel is to be drawn from the sick bay of the parent ship and checked back in upon return. A signature book of issue and receipt is to be maintained. The permanent items are to be checked each time of issue and receipt.

3. Care is to be taken that injuries received by any member of the party are reported to the sick bay and entered in Form PM127 Daily Medical Record, upon return of the party. Witnesses are to sign the entry immediately thereafter.

4. The first-aid satchel is to contain at least the following items:

Cetrimide and Chlorhexidine Antiseptic lotion 200 ml	..	No 1
Bandage, gauze, mixed sizes	..	No 6
Dressing, first-aid, field, small	..	No 6
Plaster, adhesive, surgical, non-elastic, 2.5 cm × 2.285 metre roll	..	No 1
Sponge, gauze, surgical, white, plain, sterile, 10 cm × 10 cm	..	No 20
Scissors, bandage, 21.25 cm long	..	No 1
Satchel, canvas	..	No 1

5. The Medical Officer of the parent ship is to ensure that the kit is properly maintained.

6. Navy Order 113/71 is hereby cancelled.

(1002/51/17)

(Navy Order 113/71)

UNCLASSIFIED

114/74—Stores—Demands on Non EDP Depots

1. This order concerns demands for requirements of stores from Supply Depots for which stock accounts are not yet on EDP. Such demands are to be processed through EDP in future, except as shown in Paragraph 9.

2. This procedure is to be implemented as from the date of receipt of this order, and hectograph master type demands Forms SX8, SX10, SX16 and SX18 will then no longer be used. Forms SX12 and SX14 are only to be used when demanding hydrographic stores, but *see* Paragraph 9 d.

3. Demands for items appearing in ABR 5074C, Abridged Catalogue Data Listing (*see* Navy Order 239/73) are to be prepared on Forms SX38 (single line) or SX39 (multi line) and input to EDP through existing channels.

4. When using the 'Remarks' box (eg, to give additional information regarding the item demanded or special instructions), care is to be taken that the character limitations of the block are not exceeded, viz, forty characters including the mandatory first two character priority designator and all blanks and spaces.

5. The computer will print an Issue Voucher, Form SX20, and forward it to the Supply Depot indicated by the demand. Issue vouchers so produced will be in the same format as existing EDP produced issue vouchers, except that the Register Code will be '1' instead of '9'. The following blocks on the issue voucher will contain data as recorded in the EDP NAVCAT file and shown in ABR 5074C (microfiche version):

Short Name

Unit of Issue (UI)

Classification (CL).

6. Demands will be subjected to normal edit and journal checks. Edit and journal rejects will be handled in accordance with existing procedures, *see* ABR 5063 Chapter 9. Rejects will also occur in the following circumstances:

- a. if the item is not recorded in the EDP NAVCAT file (ie, not shown in ABR 5074C); or
- b. if the unit of issue does not agree with that recorded in the EDP NAVCAT file.

7. The following reports associated with the existing EDP demand system will be produced:

- | | | |
|------------------------------|----|--|
| demand status reports | .. | forwarded to both Supply Depots and originators of demands (<i>see</i> Navy Order 430/71) |
| check list of issue vouchers | .. | forwarded to Supply Depots only, for use as the depot register. |

8. If the item demanded has been re-referenced, the EDP produced issue voucher will show the new stock number and will bear a notation that the item has been re-referenced. In addition, the demand status report will contain a check list of re-referenced demands, showing both old and new stock numbers.

9. Exceptions to the above procedure are as follows:

- a. urgent requirements may be demanded on Form SX40, carbon interleaved Local Issue Vouchers;
- b. demands for items which are not shown in ABR 5074C are to be prepared on Form SX40 using Form SX144 as well where appropriate;
- c. when it is essential for the number of characters in the remarks block to exceed forty characters (*see* Paragraph 4 above), Form SX40 is to be used;
- d. pending review of procedures for demands on the RAN Hydrographer, hectograph master type demands Forms SX12 and SX14 are to continue to be used. This is the only case for which hectograph type demands are to be used in future;
- e. all demands on Supply Depots outside the Sydney area are to be prepared on Form SX40 in future. Hectograph type demands are no longer to be used. Supply Depots concerned are:
 - 0191 Navy Store Depot, Williamstown
 - 0205 RAN Armament and Weapon Equipment Depot, Maribyrnong
 - 0221 RAN Armament and Weapon Equipment Depot, Byford.

10. The undermentioned forms are not to be used in future and all stocks are to be disposed of in the normal manner:

- a. Form SX8, Issue Order, Single Line Hectograph;
- b. Form SX10, Issue Order, Multi Line Hectograph;
- c. Form SX16, Supply Requirement Note, Single Line Hectograph;
- d. Form SX18, Supply Requirement Note, Multi Line Hectograph;

but a small stock of the following forms is to be retained for demanding on the RAN Hydrographer:

- e. Form SX12, Stores Demand, Single Line Hectograph;
- f. Form SX14, Stores Demand, Multi Line Hectograph.

11. Source codes of additional Supply Depots for which demands are to be processed through EDP in future are listed hereunder for information:

- 0035 Weapon Equipment Depot, Garden Island
- 0043 Air Store Depot
- 0051 Machinery and Spares Depot
- 0132 RAN Armament Depot, Newington
- 0140 RAN Armament Depot, Kingswood
- 0159 RAN Torpedo Depot, North Sydney.

12. ABR 4 and ABR 5063 will be amended.

(Navy Orders 430/71 and 239/73) (400/1/3563)

UNCLASSIFIED

115/74—Support Craft—Hull Registered Numbers

1. All support craft, powered or dumb are to be designated by their registered number only and this is to be painted on the hull of each craft in accordance with Garden Island Drawing No 2579/57.

2. The registered number of all support craft shall also be their visual call sign and is to be painted on the bow and transom of each craft twenty feet (six metres) in length and above. For craft without a transom, or below twenty feet (six metres) in length, registered numbers are to be painted on the bow only.

3. International call sign when applicable to a support craft shall be as set out in ACP 113 (T).

4. Registered numbers for all support craft will be allocated on the basis of an 'alpha-numeric' system where the alpha component indicates the type or function of the craft and the numerical component indicates either the length of the craft or in the case of dumb bulk carriers the load capacity, with a sequential number.

5. All correspondence, etc, relative to allocation, musters, maintenance, additions and replacement of support craft is to refer to the registered number of the craft. This registered number is individual to each craft and is to be permanently affixed to each craft by engraving, embossing or welding in a prominent position to provide positive identification particularly on the smaller size craft. Operators of existing craft are to ensure that all support craft held are properly identified and if not are to take defect action to have this done as soon as possible.

6. It is proposed to issue a revised list of registered numbers, conforming to Paragraph 4 for all support craft following appraisal of the 1973 muster prepared in accordance with Navy Order 363/73 which will update and extend Navy Order 401/71.

7. Navy Order 233/72 is hereby cancelled.

(1236/51/201)

(Navy Orders 401/71, 233/72 and 363/73)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

116/74—Manual of Naval Law (ABR 5151)—Discipline

1. Change No 5 to the Manual of Naval Law is now being distributed.

2. Particular attention is drawn to the following new or amended provisions:

Article Number	Nature of Change
0225	Addition of serious assaults to list of offences which should normally be tried by court-martial.
0916	Distinction between excessive horseplay and indecent assault.
1116	Extension of right to elect trial by court-martial.
2106	Thirty-six hours absence re-introduced as one of the criteria characterising aggravated leave-breaking offences.
2115, 2116	Uses of detention, suspended sentences of detention and dismissal.
2179	Procedure for dealing with sailors who commit further offences while awaiting warrant punishment.

(465/6/71)

UNCLASSIFIED

117/74—ABR 5074—RAN Catalogue of Materiel—Re-identification of a Service Stock Number to More Than One DSN

1. The following item currently held under one Stock Number has been re-identified by four Stock Numbers:

Old Stock No	Description	CL	UI
5220-66-TSN-0043	'GO and NO-GO' SCREW RINGS P/N Z0544 ASB129	P	EA

Superseded by:

New Stock No	Description	CL	UI
5220-66-059-2901	GAUGE, RING, THREAD 0.625 inch DIA, UNC, 11TPI 'NO-GO' GAUGE, RH ADJUSTABLE P/N Z0544 ASB129	C	EA
5220-66-059-2900	GAUGE, RING, THREAD 0.625 inch DIA, UNC, 11TPI 'GO-GAUGE', RH ADJUSTABLE P/N Z0544 ASB129	C	EA
5220-66-059-1199	GAUGE, RING, THREAD 0.625 inch DIA, UNC, 11TPI 'NO-GO' GAUGE, RH 0.559 inch EFFECTIVE DIA, NON-ADJUSTABLE P/N Z0544 ASB129	C	EA
5220-66-059-1198	GAUGE, RING, THREAD 0.625 inch DIA, UNC, 11TPI 'GO-GAUGE', RH 0.565 inch EFFECTIVE DIA, NON-ADJUSTABLE P/N Z0544 ASB129	C	EA

2. The following items currently held under one Stock Number have been re-identified by two Stock Numbers:

Old Stock No	Description	CL	UI
a. 5136-66-TSN-0335	TAP, GROUND THREAD SCREWING 22 MM × 1.5 (Taper). P/N 33333 No Ref	C	EA

Superseded by:

New Stock No	Description	CL	UI
5136-66-058-6568	TAP, THREAD CUTTING 20 MM size RH Thread 2.375 in Lg of thread, 4.500 in Lg overall. P/N 33333 No Ref	C	EA
5136-66-058-6569	TAP, THREAD CUTTING 20 MM size RH Thread 1.813 in Lg of thread, 3.500 in overall Lg. P/N 33333 No Ref	C	EA

Old Stock No	Description	CL	UI
b. 4320-00-TSN-0368	IMPELLER INGERSOLL RAND P/N 30760 P35-143	C	EA

Superseded by:

New Stock No	Description	CL	UI
4320-66-060-3189	THROAT CENTRIFUGAL P/N 30760 P35-143	C	EA
4320-66-060-3190	IMPELLER, PUMP CENTRIFUGAL P/N 30760 2276	C	EA

2. Stock holdings, store accounts and records are to be adjusted accordingly quoting this Navy Order as authority.

(400/67/725)

AMENDMENTS

UNCLASSIFIED

117/74--Introduction of Safety Specimen for Water by 73120000
Operator

Navy Order 117/74 is to be amended by adding the following subsection to the
subsection in Paragraph 2:

- 1. In Subparagraph 2, "Mines" shall mean "Mines and Mine Warfare Equipment"
- 2. In Subparagraph 2, "Mines" shall mean "Mines and Mine Warfare Equipment"

(740121/10)

(Navy Order 117/74)

UNCLASSIFIED

118/74--Officers--Supplementary List Aircrew Qualifications for Full
Duty Status

1. Aircrew officers of the supplementary list who wish to be considered for
transfer to the General List are advised to make the most of their opportunities while
serving in carrier to gain an Ocean Navigation Certificate and a Limited Bridge Watch-
keeping Certificate. Officers who do not qualify will have a bearing upon their selection
for transfer.

2. Captains should give every encouragement and provide opportunities whenever
practicable to all officers wishing to obtain these certificates.

3. Navy Order 118/74 is hereby cancelled.

(70011/40)

(Navy Order 118/74)

UNCLASSIFIED

120/74--Posting, Components Leave and Discharge Procedures

Navy Order 120/74 is to be amended as follows:

Delete Paragraph 44 and insert new Paragraph 44:

44. Discharge before an assignment expires may be granted at the
discretion of the Naval Board. Discharge cannot be claimed as a right. As
a matter of policy, discharge may be granted on completion of twenty
years service subject to the following conditions:

- a. The sailor can reasonably be granted;
- b. Return of service obligations have been fulfilled;
- c. The sailor is fully aware of his pension entitlement and the
effect of a decision to take his discharge on the date proposed;
and
- d. Normally at least three months notice is to be given. Applications
should give details of leave outstanding and state whether the
sailor intends to apply for readmission pending to that extent
notice can be given for the posting of a letter.

(7371/36)

(Navy Order 120/74)

RESTRICTED

RESTRICTED

DNLS

ANO 121/74



AUSTRALIAN NAVY ORDER

CONTENTS

121/74. Order of the Fleet and Order of the Day—Dinner and Supper—
Armed Forces

Navy Office, Canberra,
8 April 1974.

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

SECRET
DEFENCE

UNCLASSIFIED

121/74—Officer of the Watch and Officer of the Day—Duties and Responsibilities—Revised Instructions.

- 1. The purpose of this Order is to define the duties and responsibilities of the Officer of the Watch and Officer of the Day, and to provide revised instructions for their performance.
- 2. The Officer of the Watch and Officer of the Day shall be responsible for the safe navigation of the ship and for the maintenance of the ship's readiness for action.
- 3. The Officer of the Watch and Officer of the Day shall be responsible for the supervision of the crew and for the maintenance of discipline on board.

CONTENTS

No	Title
121/74	Officer of the Watch and Officer of the Day—Duties and Responsibilities—Revised Instructions.

1. PURPOSE AND SCOPE

- 1.1 The purpose of this Order is to define the duties and responsibilities of the Officer of the Watch and Officer of the Day, and to provide revised instructions for their performance.
- 1.2 This Order applies to all ships of the Royal Australian Navy, and to all personnel serving on board.
- 1.3 The Officer of the Watch and Officer of the Day shall be responsible for the safe navigation of the ship and for the maintenance of the ship's readiness for action.
- 1.4 The Officer of the Watch and Officer of the Day shall be responsible for the supervision of the crew and for the maintenance of discipline on board.

2. DUTIES AND RESPONSIBILITIES

- 2.1 The Officer of the Watch shall be responsible for the safe navigation of the ship and for the maintenance of the ship's readiness for action.
- 2.2 The Officer of the Day shall be responsible for the supervision of the crew and for the maintenance of discipline on board.
- 2.3 The Officer of the Watch and Officer of the Day shall be responsible for the maintenance of the ship's readiness for action.
- 2.4 The Officer of the Watch and Officer of the Day shall be responsible for the supervision of the crew and for the maintenance of discipline on board.

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 4720.

Section 2

PERSONNEL

UNCLASSIFIED

121/74—Officer of the Watch and Officer of the Day—Duties and Responsibilities—Revised Instructions

1. The instructions in RI setting out the duties and responsibilities of the Officer of the Watch have been reviewed, taking into account views expressed by the Fleet.
2. The revision, which is set out in Annex A, replaces the instructions in the existing Section III of Chapter 31 and is effective immediately.
3. RI Chapter 31 will be amended.

ANNEX A

SECTION III—OFFICER OF THE WATCH AT SEA

3141. Application and Definition. The instructions in this section, in so far as they are applicable, apply to all ships including seagoing tenders.

2. In this section 'con' means the duty of ordering or making wheel and engine movements.

3142. General Instructions. AUTHORITY. The authority of the Officer of the Watch is laid down in Article 0243.

2. **RESPONSIBILITIES AND DUTIES.** The Officer of the Watch is responsible for—

- (a) the safety of the ship in all its aspects, particularly her safety from collision or grounding, subject to any orders which he may receive from the Commanding Officer;
- (b) so far as it is within his control, the safety of all persons onboard; and
- (c) administrative duties in the ship imposed on him by these Regulations and Instructions and the Commanding Officer's Standing Orders.

3. Responsibility for the performance of his duties remains with the Officer of the Watch, regardless of where the Commanding Officer may be, until he has handed over the watch, unless he is sooner relieved of all of his duties. If he is relieved of part of his duties, responsibility for the performance of the remainder of his duties similarly remains with him.

4. The duties of the Officer of the Watch entail important responsibility and require him to be alert and vigilant at all times to ensure that the ship is ready to meet normal, emergency or unusual situations. There will be many occasions when the Officer of the Watch should, but cannot personally, comply with all of these instructions. To allow him to attend properly to his chief responsibilities, he may therefore delegate certain of his duties and responsibilities, subject to authorisation by the Commanding Officer in his standing orders. Although the duties of other officers and sailors may affect the safety of the ship and persons on board, the overriding responsibility for the safety of the ship and of persons is always to remain with the Officer of the Watch.

ANNEX A—continued

5. The Officer of the Watch is to take care that he is never prevented, through over-attention to detail, from discharging his primary responsibility for the safety of the ship.

6. It is the responsibility of all officers and sailors to keep the Officer of the Watch informed of matters which, although their personal responsibility, are also matters within the overall responsibility of the Officer of the Watch. All officers are required to have a thorough knowledge of the instructions in this section.

7. A deputy to the Officer of the Watch is known as Assistant Officer of the Watch.

3143. Responsibilities of the Officer of the Watch at Sea. RESPONSIBILITY TO THE COMMANDING OFFICER. It is the responsibility of the Officer of the Watch to keep the Commanding Officer fully informed of all matters which affect or may affect the safety of the ship or her personnel. Unless specifically directed otherwise by the Commanding Officer, the Officer of the Watch is to keep his watch on the compass platform (primary conning position).

2. The Officer of the Watch may be temporarily relieved of any or all of his duties only on the authority of the Commanding Officer. When relieved he is not to resume those duties until specifically ordered. Such an order is not to be given until the Commanding Officer has satisfied himself that the Officer of the Watch is able and ready to resume those duties.

3. If, at any time, the Officer of the Watch considers that he has received or is likely to receive insufficient information on which to discharge his duties fully, he is to inform the Commanding Officer without delay.

4. **RESPONSIBILITY TO THE COMMAND.** The Commanding Officer may exercise command from the compass platform, operations room or any other position onboard. The Commanding Officer may delegate to the Officer in Charge of the Operations Room watch authority over the Officer of the Watch in respect of duties and responsibilities other than the safety of the ship and safety of persons. Any authority so delegated is to be clearly defined in the Commanding Officer's Standing Orders together with specific instructions as to the circumstances in which it may be exercised—see clause 10.

5. **RESPONSIBILITY FOR HANDLING THE SHIP.** Unless relieved by the Commanding Officer or another officer specifically authorised by the Commanding Officer, the Officer of the Watch has the responsibility for handling the ship. To transfer the con, the phrase 'I have the ship' is to be used. The exception is that in an emergency or other circumstances when the Commanding Officer (or Navigating Officer if authority has been delegated in accordance with clause 10) gives a direct wheel or telegraph (engine) order to either the Officer of the Watch or to the helmsman, the Commanding Officer (or Navigating Officer, as the case may be) will be deemed to have relieved the Officer of the Watch of his ship-handling duties and to have assumed responsibility as conning officer.

6. When the Officer of the Watch is relieved of ship-handling duties in accordance with clause 5—

(a) the officer who 'has the ship' is responsible for avoidance of collision and grounding;

ANNEX A—continued

(b) the Officer of the Watch is to continue to perform all other duties assigned to him and to assist with and advise on the safe navigation of the ship; and

(c) the Officer of the Watch is to keep the helmsman informed as to who 'has the ship'.

7. The con is to be exercised only from a position where an adequate visual look-out can be maintained. When the con is being exercised by an officer other than the OOW from a position other than the compass platform, the Officer of the Watch is to report any circumstances which may not have been appreciated by the Conning Officer which have a bearing on ship safety. The only exceptions are in submerged submarines and mine countermeasure vessels during minehunting operations—see clause 13.

8. **RESPONSIBILITY WHEN SHIP IS CONTROLLED FROM THE OPERATIONS ROOM.** When authorised by the Commanding Officer, the ship may be controlled from the operations room. In these circumstances, the tactical direction of the ship is exercised from the operations room and directions for alteration of course and speed and for other action are passed by intercom from the operations room to the Officer of the Watch, who retains the con and hence the overriding responsibility for the safety of the ship.

9. **RESPONSIBILITY IN RELATION TO THE OFFICER IN CHARGE OF THE OPERATIONS ROOM.** In discharging his responsibility for the safety of the ship, the Officer of the Watch is, when the operations room is manned, to take into account the advice of the Officer in Charge of the operations room who may have better information than that available to the Officer of the Watch. The Officer of the Watch must not hesitate also to seek information or clarification from the operations room.

10. **RESPONSIBILITY IN RELATION TO NAVIGATING OFFICER.** The Commanding Officer may delegate to the Navigating Officer authority over the Officer of the Watch for specific matters relating to navigation and shiphandling. Any authority so delegated is to be clearly defined in the Commanding Officer's Standing Orders. The responsibility for the safe conduct of the ship is to remain with the Officer of the Watch subject to his being specifically relieved of any of his duties—see also clause 5 and Article 3142 (2).

11. **RESPONSIBILITY IN SUBMARINES.** In submarines, the Officer of the Watch is responsible for both ship control and operational matters. The authority to delegate specific duties and responsibilities to an Assistant Officer of the Watch is to be clearly defined in the Commanding Officer's Standing Orders—see 3142 (4).

12. **RESPONSIBILITY IN MINE COUNTERMEASURE VESSELS.** During minehunting operations, the Commanding Officer of a mine countermeasure vessel may authorise the transfer of the con to the operations room. In these circumstances, the division of responsibility between the Officer of the Watch and the Conning Officer is to be clearly defined in the Commanding Officer's Standing Orders—see clause 8.

3144. Duties of the Officer of the Watch at Sea. Every aspect of the ship's activities which has a bearing on the responsibilities in articles 3142 and 3143 is the concern of the Officer of the Watch.

ANNEX A—continued

2. NAVIGATION. The Officer of the Watch is to—

- (a) keep himself informed at all times of the position of the ship, fixing that position by the best means available;
- (b) observe strictly the International Regulations for the Prevention of Collision at Sea and any local or inland water regulations in force except as provided in article 3533 (4). The burning of navigation lights is to be subject to any tactical orders in force. When in doubt or in any emergency, navigation lights are to be burnt at full brilliance;
- (c) comply with instructions dealing with the displaying of masthead obstruction lights;
- (d) ensure, when approaching land or in pilotage waters, that he is fully aware of the details of lights or navigational marks expected to be raised and any other particulars which may be of use in keeping the ship out of danger. He is to ascertain the Commanding Officer's instructions regarding the use of radar and other radio navigational aids as well as the taking of soundings and the clearing away of anchors and cables;
- (e) check the accuracy and serviceability of the compasses, radars, navigational aids and equipments in use whenever an opportunity presents itself and at least once a watch if possible;
- (f) assess the effects of the elements on the ship's progress and keep the Navigating Officer informed of any changes in these effects;
- (g) ensure that an account of the ship's movements is kept in accordance with clause 9 (e); and
- (h) take every precaution to avoid damage to other ship's fishing gear in so far as safe navigation permits.

3. SHIPHANDLING. The Officer of the Watch is to alter course and speed as requisite to—

- (a) maintain station;
- (b) comply with any evasive steering plan in force;
- (c) comply with signals requiring immediate action;
- (d) react in accordance with tactical doctrine upon initial contact with the enemy; and
- (e) avoid immediate dangers.

Courses and speeds are not to be altered on other occasions unless specifically authorised by the Commanding Officer.

4. The Officer of the Watch is to—

- (a) ensure that the ship is properly steered; and
- (b) be thoroughly conversant with the action to be taken in the event of steering breakdown or other equipment failure which impairs the manoeuvrability of the ship.

5. SAFETY PRECAUTIONS. Before authorising any of the following—

- (a) man aloft;
- (b) dress ship;
- (c) lowering and hoisting of boats;
- (d) lowering or streaming and raising or recovery of equipments including sonar, logs, decoys, sweeps and targets;

ANNEX A—continued

- (e) embarkation, disembarkation and handling of explosives and ordnance including fuizing;
- (f) fuelling and arming aircraft;
- (g) embarkation and disembarkation of all types of fuel and flammable stores;
- (h) Operation Awkward;
- (i) diving;
- (j) hands to bathe;
- (k) entry into an unventilated compartment;
- (l) work over the ship's side;
- (m) operation of radio transmitters in aircraft carried onboard;
- (n) work in the vicinity of waste steam pipes, machinery exhausts and sirens; and
- (o) any other evolution involving the safety of personnel or equipment,

the Officer of the Watch is to ensure that relevant safety precautions have been implemented and additional instructions issued as appropriate. It is incumbent upon other officers to ensure that proper action is taken departmentally, and to keep the Officer of the Watch fully informed—see Article 3142 (6).

6. The necessary precautions and procedures referred to in clause 5 include those laid down in—

ABR 155	..	RAN Diving Manual
BR 862	..	(ABR 862 when issued) Naval Magazine and Explosive Instructions
ABR 1043	..	Australian Firing Manual
BR 1754	..	Regulations for the Storage and Handling of Gasoline, Kerosene, Anti-freeze Fluid, Dope and Hydrogen
ABR 2924	..	Radio Hazards in the Royal Australian Navy
BR 3000	..	Engineering Manual
AP (RAN) 140	..	Royal Australian Navy Aircraft Maintenance Manual.

Other instructions and orders issued by the Department of Defence (Navy Office), the Naval Board, or administrative authorities.

Ship Standing Orders.

7. SAFETY OF MEN ON UPPER DECK. The Officer of the Watch is to ensure that orders are issued to prevent men going onto the weather decks when sea conditions or alterations of course or speed are likely to make it dangerous. Should it be necessary for men to go on the weather decks in dangerous conditions, he is to ensure that orders are given to wear lifejackets and to use lifelines.

8. STATES OF READINESS. The Officer of the Watch is responsible that—

- (a) the watertight and gastight integrity of the ship appropriate to prevailing circumstances is maintained. He is not to hesitate to impose a higher NBCD state and condition in an emergency or in changing circumstances. Control of NBCD state and condition may be exercised through NBCD headquarters when manned which is to keep the Officer of the Watch informed;

ANNEX A—continued

- (b) the ordered state of readiness of the ship's fighting equipment is maintained. He is not to hesitate to impose higher states of readiness if changed circumstances make it desirable. At the Commanding Officer's discretion, this duty may be performed by the Officer in Charge of the Operations Room Watch—see also Article 3143 (4); and
- (c) personnel closed up for lifesaving in the event of a man falling overboard are at immediate readiness. Men and their equipment are to be exercised at least once each watch.

9. ADMINISTRATIVE DUTIES. The Officer of the Watch is responsible for—

- (a) supervision of the watch on deck. He is to ensure that men on watch are properly instructed in their duties and correctly posted. The Officer of the Watch is to pay personal attention to lookouts ensuring that they are briefed prior to each trick, remain alert and are relieved regularly;
- (b) rounds, ensuring that completion is correctly recorded and, as ordered, reported to him;
- (c) supervision of the ship's routine;
- (d) ceremonial; and
- (e) the proper maintenance of the following records—
 - (i) *Ship's Log*. All required entries are to be made in the ship's log (Form OG101). At the end of his watch the Officer of the Watch is to sign the log in proof that all necessary entries have been made and are correct—see Article 3507. Navigational information recorded in the ship's log is to be extracted from the Officer of the Watch Notebook and the Wheel and Engine Order Book.
 - (ii) *Officer of the Watch Notebook*. A complete record of all courses, speeds, fixes and other information relative to the ship's movement is to be entered in the Officer of the Watch Notebook (Form ON110).
 - (iii) *Wheel and Engine Order Book*. When special sea dutymen are closed up and at any other times when it is considered prudent by the Commanding Officer, the Officer of the Watch is to ensure that full details of wheel and engine orders are recorded in the Wheel and Engine Order Book (Form ON112).
 - (iv) *Other Records*. Completion of the following as applicable—
 - Magazine Log
 - Daily Security Record
 - Keybooks
 - Watertight Integrity Log.

10. REPORTS TO THE COMMANDING OFFICER. The Officer of the Watch is to keep the Commanding Officer fully informed of matters which affect or may affect the safety of the ship or persons on board. He is to inform the Commanding Officer—

- (a) if he is unable to keep station;
- (b) of any failure of equipment which affects the ship's operational, navigational or fighting efficiency;
- (c) if the Officer of the Watch and the Officer in Charge of the Operations Room Watch fail to agree on the course of action to be taken;

ANNEX A—continued

- (d) if at any time he has insufficient information with which to discharge his duties;
- (e) of men-of-war sighted;
- (f) of signals requiring the Commanding Officer's immediate attention; and
- (g) if he is in any doubt concerning the ship's position, particularly when approaching land or in pilotage waters.

Specific occasions on which the Commanding Officer is to be informed are to be detailed in the Commanding Officer's Standing Orders.

3145. Procedure for Handing Over a Watch at Sea. On handing over a watch at sea, the Officer of the Watch is to pass on to his relief all information necessary for the proper conduct of the watch. Assumption of charge is not to be made until the relieving Officer of the Watch has ascertained—

- (a) the tactical situation;
- (b) the ship's present position by fixing (when practicable);
- (c) that the ship is in her correct station;
- (d) any orders and instructions remaining unexecuted;
- (e) the navigational situation;
- (f) the machinery state;
- (g) the NBCD state and condition;
- (h) the state of readiness of ship's fighting and other equipment;
- (i) the state of boats and lifesaving equipment;
- (j) the weather; and
- (k) any unusual circumstances prevailing.

2. The relieving Officer of the Watch is to assume charge with the statement 'I have the ship'.

SECTION IV—OFFICER OF THE DAY IN HARBOUR

3151. Application and Definition. The instructions in this section apply to all ships in harbour and commissioned establishments.

2. In this section—

- (a) the term Officer of the Day is used to designate the person entrusted with the authority, responsibilities and duties set out below; and
- (b) the term 'ship' used without qualification includes commissioned establishments.

3152. General Instructions. AUTHORITY. The authority of the Officer of the Day is laid down in article 0243.

2. RESPONSIBILITIES AND DUTIES. The Officer of the Day is responsible for—

- (a) the safety of the ship in all its aspects, including the ship's boats and tenders; and
- (b) so far as it is within his control, the safety of all persons onboard and members engaged on duty outside the ship, including boat's crews.

ANNEX A—continued

3. In the discharge of his duties, the Officer of the Day is to comply with those articles in Section III (Officer of the Watch at Sea) which are capable of application in ships in harbour and commissioned establishments.

4. It is the responsibility of all officers and sailors to keep the Officer of the Day informed in accordance with article 3142 (6). All officers are required to have a thorough knowledge of the instructions in this section, and in harbour are also to comply with the instructions in Section III which are capable of application to them.

3153. Organisation. The allocation of duties will vary according to the number of officers and sailors borne and the variety of operational and administrative factors. Within the discretion permitted him by Fleet, Area and Squadron Orders, the Commanding Officer is to use the duty organisation which best meets the needs of his ship in the prevailing circumstances. This organisation and, when there is more than one duty officer, the division of responsibilities between them, are to be made clear in Standing Orders.

2. In the case of minor war vessels such as mine countermeasure vessels and patrol boats, the Senior Officer may arrange to have one Officer of the Day for a number of ships.

3154. Duties of the Officer of the Day. No exhaustive list of duties can be made which will be applicable to all ships in every circumstance. The Commanding Officer is, where circumstances dictate, to elaborate the duties of the Officer of the Day in his standing orders.

2. SAFETY GENERALLY. The Officer of the Day is to—

- (a) keep a careful watch on the weather and is to take appropriate action to ensure the safety of the ship, boats, tenders and equipment;
- (b) report any irregularities to the Commanding Officer and other officers as appropriate;
- (c) ensure that a proper watch is kept on the movement of ships in the vicinity. If collision is imminent, he is to take action to minimise its effects; and
- (d) ensure that all possible steps are taken to minimise the risk of fire and flood. The emergency party is to be exercised daily.

3. SHIP SAFETY IN SEAGOING SHIPS. The Officer of the Day is to ensure that—

- (a) when the ship is at anchor, secured to a buoy or moored, the ship's position is checked by bearings. He is to make sure that the ship is riding safely by ensuring that the cable and securing arrangements are checked; and
- (b) when the ship is alongside berthing lines are checked, particular attention being paid to ensuring that they are not subjected to undue strain or excessive friction.

4. SAFETY OF PERSONS. The Officer of the Day is to—

- (a) ensure that brows, gangways and ladders are kept rigged in a way which permits their safe use. A life-buoy, lifeline and buoy light are to be provided near the quartermaster's position in seagoing ships and at jetties and wharves, as appropriate in naval establishments;

ANNEX A—continued

(b) check, before granting permission for diving operations, that precautions in accordance with ABR 155 RAN Diving Manual have been taken in ships in the vicinity;

(c) inspect all small arms, sporting guns and other weapons brought onboard to ensure that they are not loaded. Arms and ammunition are to be dealt with in accordance with article 1818.

5. SAFETY OF BOATS. The Officer of the Day is to ensure that—

- (a) boat's coxswains are given clear orders as to their duties;
- (b) the number of persons carried never exceeds the authorised capacity for the weather conditions prevailing at the time;
- (c) full account is taken of the prevailing weather conditions and the experience of coxswains before dispatching boats from the ship;
- (d) the correct equipment, including lifejackets appropriate to the number of persons in the boat is carried and such navigational equipment as is required is issued;
- (e) boat's crews wear lifejackets in rough weather or hazardous conditions;
- (f) boat's crews do not include non-swimmers;
- (g) non-swimmers carried in boats wear lifejackets; and
- (h) boats not in use are properly secured.

6. SAFETY OF TENDERS. The instructions in this section, in particular clauses 3 and 5 above, are generally applicable in tenders and, subject to detailed definition of the duties of the Officer of the Day by the Commanding Officer in Standing Orders, are to be complied with.

7. SECURITY. The Officer of the Day is responsible—

- (a) for physical security measures required by ABR 337 Instructions for Physical Security in the Royal Australian Navy and by Standing Orders;
- (b) that no unauthorised personnel enter or leave the ship; and
- (c) for the prompt investigation of suspected security breaches, taking immediate action as necessary to ensure the safety and physical security of the ship, and causing the Commanding Officer to be informed.

8. STATES OF READINESS, SEAGOING SHIPS. In addition to his responsibilities under article 3144 (8), the Officer of the Day is responsible that the states of readiness of the ship's machinery and equipment for sea and the Operation Awkward state ordered are maintained. He is not to hesitate to impose higher states of readiness if changed circumstances make it desirable.

9. ADMINISTRATIVE DUTIES. The Officer of the Day is—

- (a) to supervise the activities of members on duty outside normal working hours;
- (b) is responsible for the appearance of the ship and boats;
- (c) to be in attendance at the gangway—
 - (i) when important persons arrive and depart,
 - (ii) during periods when the majority of libertymen land and return on board,
 - (iii) as required by Standing Orders and the custom of the Service;

ANNEX A—continued

- (d) to take action concerning divisional and welfare matters in the absence of Divisional Officers;
- (e) to conduct investigations of disciplinary offences in accordance with ABR 5151 Manual of Naval Law; and
- (f) to keep the following records in addition to those required to be kept by article 3144 (9)—

Daily Record of Inspections
Muster of Communications Publications.

3155. Procedure for Handing Over the Duty in Harbour. On handing over the duty in harbour, the Officer of the Day is to pass on to his relief all information necessary for the proper conduct of the duty. In particular he is to ensure that his relief is aware of—

- (a) the ship's position and berthing arrangements;
- (b) orders and instructions remaining unexecuted;
- (c) the notice for sea and the machinery state;
- (d) the NBCD state and condition;
- (e) security measures in force;
- (f) the state of readiness of ship's equipment;
- (g) the weather;
- (h) the whereabouts of the Commanding Officer;
- (i) relevant information concerning boats and tenders; and
- (j) relevant information concerning officers and the ships company.

(303/1/9)

Article A—continued

- (16) to take action concerning criminal and military records in the Office of Personnel Office;
- (17) to review investigations of disciplinary actions in accordance with JAG
MCM Manual of Naval Court etc.
- (18) to keep the following records in relation to cases referred to be kept in
whole 1144 (1)---
Daily Record of operations
Master in Communication, Psychology

1912. Periodically the findings that the ship is Harbor. On landing over the ship
is subject, the Office of the Director is to give in a list of all information furnished
for the proper conduct of the ship; in particular the ship is to report that the ship is
under way.

- (1) the ship's position and location arrangements;
- (2) safety and protection measures taken and
- (3) the status of the ship and the equipment on board;
- (4) the MACTI case and condition;
- (5) all other matters in force;
- (6) the state of readiness of ship's equipment;
- (7) the weather;
- (8) the whereabouts of the Commanding Officer;
- (9) various information concerning losses and financial cost;
- (10) current references, including officers and the ship's company.

(1811/1)

DNLS

RESTRICTED

ANOs 122/74-136/74



AUSTRALIAN NAVY ORDERS

122/74
123/74
124/74
125/74
126/74
127/74
128/74
129/74

Navy Office, Canberra,
11 April 1974.

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

By direction of the Naval Board,

130/74
131/74
132/74
133/74
134/74
135/74
136/74

*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 4720.

3. Symptoms which may be produced by inhalation of these gases include giddiness, weakness, mental confusion, breathlessness, palpitations and finally unconsciousness and death. Additional effects of other gases produced by the burning of such materials as paint or explosives are likely to include irritation to all breathing passages, tightness of the chest, cough, headache, irritation of the eyes and possibly vomiting.

4. Antigas respirators are of no use as a protection from these gases, as they all tend to produce oxygen deficiency. This oxygen deficiency has a far greater significance when smoke and gases are produced in confined spaces.

5. Personnel suffering from the effects of smoke and gases must be removed to a place where there is adequate fresh air. In such an environment they will normally recover rapidly, but administration of supplemental oxygen may be required. Personnel who have been rendered unconscious by inhalation of smoke and gases will initially require more intensive resuscitative measures such as artificial respiration and possibly external cardiac massage. Recompression chamber therapy using high pressure oxygen at two atmospheres absolute should be considered, if available, for severely afflicted personnel.

6. Personnel entering compartments in which smoke and gases are present must use self-contained breathing apparatus at all times. The procedure indicated in BR 2171, Part IV, Chapter 7, Section IV, is to be followed.

7. Navy Order 115/71 is hereby cancelled.

(327/53/218)

(Navy Order 115/71)

Section 2

PERSONNEL

UNCLASSIFIED

124/74—Drunkenness—Danger of Death Following Drunkenness— Precautions to be Taken

1. The danger of a state of drunkenness masking the effect of a head injury is very real and must be constantly borne in mind by all those dealing with such cases, whether or not they happen to be medically trained. A neglected head injury can lead to death.

2. All cases of suspected drunkenness should, if possible, be seen by a Medical Branch sailor or, if one is not available, by the Officer of the Day or Duty Senior sailor, who is to inquire into the circumstances and examine the man, looking particularly for any evidence of head injury. Every case complicated either by unconsciousness, or by a history or evidence of a head injury, must be kept under close observation and seen as soon as possible by a Medical Officer.

3. All Medical Officers of ships and establishments are to ensure that their staff are fully aware of the dangers of this condition and the need for vigilance in its treatment. Inspecting Officers should satisfy themselves that adequate instructions exist on this point.

4. Navy Orders 104/71 and 214/71 are hereby cancelled.

(327/53/217)

(Navy Orders 104/71 and 214/71)

UNCLASSIFIED

125/74—Income Tax—Extra Risk Allowance

1. Members who, as a result of the nature of their employment with the RAN, receive payment of 'extra risk allowance' will be required to show details in their income tax returns, either on the return form itself or on an attachment to the return of the manner in which the deduction they have claimed for life insurance premiums has been calculated, eg, the deduction claimed could be shown as:

Total Life Assurance Premiums	..	..	..	..	\$ 750
Less Extra Risk Allowance	..	..	..	..	150
					600

2. Extra risk allowance to the nearest dollar will be printed on Group Certificates in Column 2 (previously used for 'Value of Subsistence') and with an explanatory notation 'Column 2—Extra Risk Allowance' shown in the 'Exemption or Allowance' column at the foot of the certificate.

3. Navy Order 357/73 is hereby cancelled.

(271/52/45)

(Navy Order 357/73)

UNCLASSIFIED

126/74—Peter Mitchell Trust

1. In 1921 a wealthy Victorian grazier, Peter Mitchell, died. His will, after making provision for his wife and other persons, left income from his estate to the Navy and Army of the British Commonwealth of Nations and of the Commonwealth of Australia. The annual income available is now some \$5,000 for the British Commonwealth Navies and \$3,000 for the Royal Australian Navy.

2. The Naval Board and the Trustees of the Peter Mitchell Trust have agreed that the income available to the Navy shall be used for the prizes described in the Annexes to this order.

3. Detailed instructions will be issued separately.

4. Navy Orders 76/71, 215/71, 216/71 and 381/71 are hereby cancelled.

ANNEX A

Commonwealth Navies Competition

1. There will be an annual essay competition open to all members of British Commonwealth Navies of the rank of Commander and below.

2. The subject of each year's essay will be selected by the Australian Commonwealth Naval Board and will be related to the Naval defence of Australia. From time to time the subject will involve the importance of leadership, physical fitness and 'other qualities' mentioned in the will.

3. The essays will be judged by one or more officers selected by the Australian Commonwealth Naval Board and will when possible include officers of Commonwealth Navies other than the RAN.

ANNEX A—continued

4. Seven prizes will be awarded annually in the following three groups:

- Group 1. Open competition (for officers and sailors)—\$1,250 and books or instruments to the value of \$250.
- 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 the open competition has been awarded, and the winner of that prize will not be eligible for a further prize.

2. In the event of enough essays of sufficient merit not being received for either Group 2 or Group 3 prizes, the Australian Commonwealth Naval Board has a discretion to transfer prizes from Group 2 to 3 or vice versa.

Special Conditions

5. a. The authorship of the entries, including country of origin, will be unknown to the judges until the time comes to allocate prizes to the three groups of prize-winners. 'Noms de plume' or numbers will be used.
6. The Trustees, in consultation with the Australian Commonwealth Naval Board will have power to alter or terminate the competition.

ANNEX B

Australian Naval Competitions

1. a. There will be two major prizes of \$1,000 each to be awarded annually, one for officers and one for sailors.
- b. These major prize-winners, to be known as 'The Peter Mitchell Prizemen', will be selected from members of the Australian Naval Forces on full time duty by a committee representative of the Australian Commonwealth Naval Board and the Trustees. The basis of selection will be pre-eminence in:
- (1) academic ability;
 - (2) professional attainment;
 - (3) sporting proclivities;
 - (4) character; and
 - (5) leadership.
2. There will be a number of lesser prizes awarded annually:
- a. Prize valued at \$200 for the degree-stream junior officer graduating from tertiary education with the best degree results.
 - b. Three annual prizes valued at \$15.25 for the most outstanding Midshipman in each group of officers embarked for Phase 1 Navigation in the officers' training ship.
 - c. Two annual prizes valued at \$14.50 for the Supplementary List Seaman Midshipman who gains first place in Seamanship training.
 - d. Prize of books to the value of \$10 to the Midshipman SLEX who gains the best results in the Phase 1 Navigation examination.

ANNEX B—continued

- e. Prize of drawing instruments to the value of \$25 to the Midshipman SLEX who gains the best results in the Phase II Fleet Examination Board.
- f. Four annual prizes of \$50 for the most outstanding Chief Petty Officer of each Warrant Officers' Management/Service Knowledge Course.
- g. Ten prizes valued at \$50 for the most outstanding Petty Officer in each Petty Officers' Management Course (or equivalent).
- h. Two prizes valued at \$100 for the most outstanding RAN apprentice in each half yearly intake to the RAN Apprentice Training Establishment.
- i. Two prizes valued at \$100 for the most outstanding Recruit each half year at Flinders Naval Depot Recruit School as at the end of the Recruit Disciplinary Course.
- j. Four prizes valued at \$100 for the most outstanding Junior Recruit in each graduating class at the Junior Recruit Training Establishment.
- k. Eight trophies (to the value of \$25 each) for the most outstanding WRANS Recruit of each intake at Flinders Naval Depot Recruit School as at the end of Part 1 Training.

Note: 'Prizes' in a, f, g, h, i and j above means 'money and/or a trophy'.

3. The following authorities are responsible for the selection of the above prize-winners:

Authority	Prize
Naval Board	a
Commanding Officer, HMAS NIRIMBA ..	h
Commanding Officer, HMAS LEEUWIN ..	j
Commanding Officer, HMAS CERBERUS ..	c, d, e, f, g, i, k
Commanding Officer, Officer's Training Ship	b

4. The prizes referred to in Paragraph 2 should be presented at Divisions or at some other appropriate ceremonial occasion.

5. Whether the prize is to consist solely of a trophy, or of money, or to be a trophy and money, is left, subject to the *Note* to Paragraph 3, to the discretion of the Commanding Officer of the prize-winner, but the wishes of the prize-winner may be taken into account.

6. Payment of awards whether by cash or trophy is to be brought to account in the Ships Cash Account as a charge to Trust Fund Other Trust Moneys. In this regard NAM Article 189 (6) is varied accordingly.

7. The names of prize-winners are to be reported to Navy Office.

8. The Trustees, in consultation with the Australian Commonwealth Naval Board, have power to alter or terminate any of the Australian Naval Competitions.

(Navy Orders 76/71, 215/71, 216/71 and 381/71)

UNCLASSIFIED

127/74—Programme of Educational Tests 1974

1. The following will be the programme of educational tests in the RAN during 1974:

a. *Services General Certificate of Education (SGCE)**Series 1/74—April 1974*

	<i>Forenoon</i>	<i>Afternoon</i>
Monday 1 April ..	English Expression	English Literature
Tuesday 2 April ..	Mathematics I/Modern Mathematics I	Social Studies
Wednesday 3 April ..	Mathematics II/Modern Mathematics II	Modern History
Thursday 4 April ..	Physics	Geography
Friday 5 April ..	Economics	—
Monday 8 April ..	Navigation	Asian History

Series 2/74—October 1974

	<i>Forenoon</i>	<i>Afternoon</i>
Monday 14 October ..	English Expression	English Literature
Tuesday 15 October ..	Mathematics I/Modern Mathematics I	Modern History
Wednesday 16 October ..	Mathematics II/Modern Mathematics II	Geography
Thursday 17 October ..	Physics	Chemistry
Friday 18 October ..	Economics	Asian History
Monday 21 October ..	Navigation	Social Studies

b. *LEEWIN Educational Test (LET)*

20–27 May.

2–9 September.

18–25 November.

2. This order will be reprinted for posting on Notice Boards.

3. Navy Order 354/72 is hereby cancelled.

(325/1/25)

(Navy Order 354/72)

UNCLASSIFIED

128/74—RAN College Timetable 1974

1. The Naval Board have approved the following Royal Australian Naval College timetable for 1974:

<i>Term 1</i>	.. ..	29 January to 2 May
<i>Term 2</i>	.. ..	21 May to 22 August
<i>Term 3</i>	.. ..	10 September to 5 December
<i>Promotion Day</i>	.. ..	Thursday, 5 December.

2. Navy Order 63/74 is hereby cancelled.

(310/1/69)

(Navy Order 63/74)

UNCLASSIFIED

129/74—Sheila McCleman's Trophy

1. The Sheila McCleman's Trophy awarded annually for competition for efficiency in Naval establishments where members of the WRANS are serving, has been awarded for 1973 to the WRANS Unit at HMAS CERBERUS.

2. Navy Order 171/73 is hereby cancelled.

(138/6/43)

(Navy Order 171/73)

Section 3**OPERATIONAL AND TRAINING**

UNCLASSIFIED

130/74—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 systems (AFUs) working at full efficiency. Sources of 'wild heat' are to be eliminated as far as possible. To aid air movement, portable fans are to be used to maximum advantage.
- (2) Wearing of protective field masks and protective clothing by engine and boiler room personnel should not be included unless expert medical advice is available. 'Expert medical advice' means the presence of a Medical Officer holding a Diploma of Tropical Medicine or having experience of environmental physiological research or the clinical treatment of heat casualties.
- (3) All personnel who may be subjected to heat hazards are to have a preliminary medical examination (including review of MHDs) and all who are unfit or overweight are to be excluded from wearing protective clothing and from working in heat hazardous areas, eg, engine and boiler rooms, galleys, gun mountings, etc.
- (4) Ship's medical branch personnel are to be augmented by borrowing from other ships or shore establishments, so that sufficient are available to monitor signs of heat stress amongst the ships company. Men working in non-air-conditioned spaces or in protective clothing are to have their pulse charted every fifteen minutes or more frequently if indicated. Any man with a pulse rate over 150 should be seen by the medical branch personnel and have an oral temperature recorded. If this reaches 38° C or over, the man should be withdrawn to the coolest possible area of the ship.
- (5) Water, plain or flavoured with lime or lemon powder, to which salt has been added in the proportion of half teaspoonful per quart, must be freely available throughout the ship. This point is of major importance.

(6) Facilities for the emergency treatment of heat stroke are to be available, ie, a water supply, large quantities of ice and a portable fan. A cool mess provided with ample portable fans is to be earmarked as a resting place 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.

(327/54/129)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

131/74—Boilers—Internal Chemical Cleaning—Procedure

1. Revised instructions for internal examinations, internal cleaning and Wear and Waste Tests of the main boilers in the Fleet were re-issued in Navy Order 102/72 pending the revision of BR 3000, vide RAN Change 4. The instructions for boilers in shore establishments and support craft, except for boilers maintained under the control of the Department of Works, are contained in BR 3000. The Chief Staff Officer (Technical) to the Flag Officer Commanding Her Majesty's Australian Fleet is the Administrative Authority and examining officer for all boilers in HMA ships in commission or reserve. The General Manager of the Dockyard concerned is the examining officer for boilers in shore establishments and support craft.

2. Normally, in service cleaning of a boiler will be by mechanical means. However, dependent on the condition of the boiler, and on FOCAF recommendation for boilers in the Fleet, and the General Manager's recommendation for others, and Naval Board approval for all boilers, chemical cleaning may be carried out.

3. Specifications and instructions for use in chemical cleaning of boilers are contained in Garden Island Dockyard Technical Instructions No 41 and Garden Island Dockyard Technical Instructions No 54 for DDG class ships.

4. Applications to the Naval Board for chemical cleaning are to be accompanied by a description of the composition and thickness of scale on the internal surfaces, and any special circumstances which may be applicable. If approval is given, cleaning is to be carried out strictly in accordance with the appropriate specification issued from Navy Office.

5. Under conditions where the day-to-day water treatment of boilers has been satisfactory, internal cleaning of water tube boilers should be carried out during refit periods, to coincide with removal of internal gear necessary to carry out Wear and Waste Tests. If the results of a Wear and Waste Test indicate that internal cleaning by a chemical process would be necessary before the subsequent refit period, the examining officer should consider the desirability of doing so either during the current refit or during the next maintenance period availability and forward recommendations accordingly. In such considerations, the necessity to remove internal gear for chemical cleaning of some boilers, as detailed below, would be a prime factor.

6. Although the processes for chemical cleaning have now been established, it is probable that sludge deposits will remain to some extent at the completion of the cleaning process. Accordingly, steam is not to be raised in a boiler after cleaning by a chemical process until all internal surfaces have been examined and any sludge deposits removed.

7. To satisfy the requirements of Paragraph 6, and to provide adequate circulation within the boiler during the cleaning process, boiler internal gear in water tube boilers is to be removed as follows:

- a. Admiralty Type 3 drum boilers—internal gear may be left in place during cleaning;
- b. Daring Type boilers—all internal baffle gear in the intermediate water drum is to be removed. Internal gear in the steam drum may be left in place, but all baffles are to be lifted for examination on completion of cleaning; and
- c. DDG Type 12 and B and W boilers in HMAS SUPPLY—all internal gear in the steam drum and the desuperheaters in DDG water drums are to be removed.

8. Chemical cleaning of a boiler, when approved, will normally be carried out under a contract arranged by the dockyard concerned in accordance with a standard specification issued from Navy Office. Under such circumstances, the responsibilities for various portions of the process will be as follows:

- a. The General Manager of the dockyard will be responsible for:
 - (1) acceptance of a tender, having due regard to the capabilities of the tenderer to satisfactorily carry out the work for the price tendered;
 - (2) the provision of a 250 gallon mixing tank for use by the contractor—the tank is to be complete with appropriate heating arrangements;
 - (3) the provision of normal services to the contractor;
 - (4) the fitting of special connections to the boiler, ie, fitting dummy manhole doors and internal hoses, the plugging of downcover tubes (if necessary), replacing blowdown cocks, etc, by acid resistant valves (if necessary), the removal of access panels if required and the blanking off of economisers and superheaters. On completion of the cleaning process the dockyard is to remove all such special fittings and replace the normal fittings as appropriate;
 - (5) inspection of the contractor's equipment and materials before use;
 - (6) control of the cleaning and passivation processes at all times;

- (7) co-ordination of all phases of the process in conjunction with the ship's Marine Engineer Officer and the contractor;
 - (8) acceptance of the work done by the contractor, after the boiler has been inspected and found satisfactory by the examining officer and the ship's Marine Engineer Officer.
 - (9) forwarding a detailed report of the process to Navy Office, copy to the examining officer; and
 - (10) assisting ships staff as may be necessary to water pressure test the boiler to normal working pressure after completion of the process.
- b. The contractor will be responsible for:
- (1) the supply and installation of all necessary pipework, valves and pumping equipment external to the boiler, other than those provided by the dockyard under Paragraph 8 a (2) and (4) above;
 - (2) the supply of the approved chemicals;
 - (3) the taking of proper precautions against the accidental spilling or leakage of chemical solutions;
 - (4) the correct carrying out of the process, under the control of the dockyard;
 - (5) the disposal of waste, including spent chemical solutions and sludge, and the removal of sludge deposits, if necessary, during and on completion of the process;
 - (6) insuring against accidental damage to ships machinery and systems; and
 - (7) removal of all his equipment on completion of the process.
- c. The Marine Engineer Officer of the ship will be responsible for:
- (1) the removal of boiler internal gear, if necessary, and its subsequent replacement;
 - (2) initial filling of the boiler with water, and heating of the boiler as required in the specification;
 - (3) the operation of any ships machinery or systems necessary for the process;
 - (4) a complete inspection of the boiler on completion of the process, in accordance with Paragraph 6 above and BR 3000 Article 1260, and acceptance of the work as satisfactory; and
 - (5) renewal of handhole gaskets and water pressure testing to working pressure assisted where necessary by dockyard.
- d. The examining officer will be responsible for:
- (1) the selection of the tubes necessary to assess the condition of the boiler;
 - (2) a recommendation to Navy Office in accordance with Paragraphs 4 and 5; and
 - (3) inspection of the boiler and acceptance of the work as satisfactory in conjunction with the ship's Marine Engineer Officer.
9. In the cases of ships in reserve, and of boilers in shore establishments and support craft (Paragraph 1 above refers), the responsibilities of the Marine Officer of the ship, as detailed in Paragraph 8 c above, are to be assumed by the General Manager of the dockyard concerned.
10. Navy Order 124/71 is hereby cancelled.

(1211/251/123)

(Navy Orders 124/71 and 102/72)

UNCLASSIFIED

132/74—Losses and Damages of Pilotless Target Aircraft (PTA) and Other Targets—Accounting Procedures

1. Because of the nature of their use, it is predictable that some Pilotless Target Aircraft (PTA), Delmar towed targets, sleeve targets and similar items will, in the normal course of practice firings, be lost or damaged beyond repair as a result of a hit or near miss, or during landing or recovery operations.
2. Existing accounting arrangements for targets of this type have been reviewed, and it has been decided that although they must continue to be accounted for as permanent items, the write-off procedure for those targets lost or damaged beyond repair has been simplified. In future these items are to be removed from charge as unserviceable through fair wear and tear, provided the losses or damage are not the result of negligence.
3. The following accounting action is to be taken in respect of PTAs, Delmar targets and similar items lost or damaged beyond repair in the circumstances mentioned above:
 - a. Form SS7, Survey, Transfer and Conversion Voucher (STC) is to be raised issuing the item off charge by completing the write-off column, separate forms being raised for each type of stores, ie, Air Stores, Armament Stores, etc. The form is to be signed by the Commanding Officer, or an officer delegated by him for the purpose.
 - b. The box of Form SS7 headed 'Reason for Survey' is to bear the following certificate signed by the Commanding Officer or his delegate:

'I certify that the above item was expended in the ordinary course of practice firing and not as the result of negligence.

.....
(Signature)
 - c. In the case of targets damaged beyond repair, any arisings of value are to be dealt with as follows. The produce resulting is to be detailed on the remaining lines of the form, the quantities being shown in the appropriate column under 'Quantity Received'. Where the space on the form is insufficient for this purpose, Stores Return Voucher Continuation Sheets (Forms SX26) are to be used and attached to the relevant STC. These forms are to be given the same registered number as the relevant STC and are to be attached thereto.
 - d. After provisionally adjusting the stores account, the Form SS7 is to be forwarded to the appropriate Supply Director for approval to the action.
4. If the loss or damage to targets is attributed to negligence or theft, write-off procedures in ABR 4 Chapter 14 are to be followed.
5. RAN Storekeeping Manual, ABR 4, will be amended.

(1311/99/173)

RESTRICTED

133/74—100 Foot Patrol Boats—40/60 Gun Inspection

1. Ordnance carried by 100 foot Patrol Boats, including those used for Reserve Training, will be inspected at maximum intervals of six months irrespective of the number of rounds fired, or the figures contained in Table 3 of BR 291.

2. On completion of the inspection, a firing test may be carried out at the discretion of the Inspecting Officer to prove functioning, and the adjustment of rate of fire.

3. Requisitions for inspection should be made as follows, adequate notice being given as shown for the various establishments:

- a. *HMAS TARANGAU* and *HMAS MELVILLE*. COMPNGFOR and/or NOCNA to signal CSS Sydney info FOCEA, COMAUSMINPABFOR and INO Sydney at least four weeks before inspection is required. Combined SASO/INO Sydney team will be made available for approximately three weeks to carry out the required inspections and during this period the boats are to be brought in one at a time. Inspection of each gun is expected to take about four days. Base Ordnance Staff are to assist SASO/INO Staff as required.
- b. *HMAS MORETON*. NOC Q to signal CSS Sydney info FOCEA COMAUSMINPABFOR and INO Sydney at least fourteen days before inspection is required. Inspection will be carried out by combined SASO/INO Staff. Inspection requirements should be co-ordinated to coincide with the requests from *HMAS CAIRNS* (see Sub-paragraph f.).
- c. *HMAS LEEUWIN*. NOCWA to signal NOIC VIC info COMAUSMINPABFOR and INO Melbourne at least fourteen days before inspection is required. Inspection will be carried out by a combined team from Armament Weapon Equipment Depot, Byford, and INO Melbourne. Where possible inspections should coincide with INO Melbourne periodic inspection at Byford.
- d. *HMAS LONSDALE*. Patrol Boats in the Victorian Area are to place requests for inspection on Armament and Weapon Equipment Depot, Maribyrnong. Request by signal to be forwarded to NOIC VIC info COMAUSMINPABFOR and INO Melbourne.
- e. *HMAS WATERHEN*. Patrol Boats in the Sydney Area are to place requests for inspection on SASO Garden Island. SASO will inform INO Sydney when inspection is required. Requests by signal are to be forwarded to CSS Sydney, info FOCEA, COMAUSMINPABFOR and INO Sydney.
- f. *HMAS CAIRNS*. *HMAS CAIRNS* to signal CSS Sydney info FOCEA, NOC Q, COMAUSMINPABFOR and INO Sydney at least fourteen days before inspection is required by SASO/INO Staff.

4. Navy Order 247/71 is hereby cancelled.

(1234/51/112)

(Navy Order 247/71)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

134/74—BR 51—RN Physical Training Manual Volumes 1 and 2— Personal Issues

1. Copies of BR 51 Volumes 1 and 2 are now available for gratuitous issue on a personal basis to the following Naval personnel:

- a. one copy of each volume to all qualified PT officers and sailors with more than twelve months to serve; and
- b. one copy of each volume to each sailor qualifying (ie, on transfer to the PT Category).

2. Demands for personal copies of BR 51 Volumes 1 and 2 are to be lodged in accordance with ABR 4 Chapter 25, and through the Supply Officer of the establishment or ship where serving, for onforwarding to the Executive Officer Publications, Garden Island, NSW 2000.

3. Holders of personal copies of publications will not be supplied automatically with Amendments/Changes, but will be responsible for demanding their own requirements through their Supply Officer.

4. Notification of availability of Changes to BR 51 Volumes 1 and 2 will be effected by Navy Orders.

(465/1/1732)

UNCLASSIFIED

135/74—JSP (AS) 102—Joint Services Staff Manual of Service Writing

1. Stocks of JSP (AS) 102 are now depleted and a reprint is not envisaged in the near future.

2. Accordingly, to enable issue of this publication to be made to newly established authorities, and to maintain minimum stocks for unforeseen future requirements, holdings should be critically examined with a view to identifying surplus copies.

3. These surplus copies 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 Article 2514.

(1165/9/848)

Navy Orders 1/73 to 128/73 are now over three years old, and may be disposed of accordingly.

AMENDMENT

UNCLASSIFIED

136/74—Machinery Spares—Group 2805—Outboard Motors—Operation, Care and Maintenance

Navy Order 53/74 is to be amended as follows:

Paragraph 9.b., line 2

delete 9150-77-048-1170 OMD 45,

insert 9150-66-048-1170 OMD 45.

(1/2805/12)

(Navy Order 53/74)

RESTRICTED

1974

19

AMENDMENT

UNCLASSIFIED

13674—Machinery Spares—Group 2802—Outboard Motors—Operation,
Care and Maintenance

NAVY GPO: 20174 is to be amended as follows:

Paragraph 8D, line 3

delete 9120-8642-1170 GMD 42

insert 9120-8642-1170 GMD 42

(13674)

(Navy GPO: 20174)

E. D. Atkinson, Government Printer, Columbia

1974

RESTRICTED

DNLS

ANOs 137/74-145/74



AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
11 April 1974.

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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145/74	Outboard Motors—Revised Allowances of 20 HP and 40 HP Outboard Motors for HMA Ships and 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 4720.

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

137/74—The Collins Trophy Award—1973

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 the high professional standard displayed in meeting all commitments and fulfilling its role the award for 1973 is made to VC-724.

(38/1/233)

Section 2

PERSONNEL

UNCLASSIFIED

138/74—Members Serving Overseas—Child Education Allowance

1. With effect from 1 January 1973, the Category 'A' rate of Child Education Allowance has been increased to \$A1,590 per academic year and the Category 'B' rate of Child Education Allowance has been increased to \$A780 per academic year.
2. Eligible members should claim adjustments from Navy Office. Claims should be accompanied by evidence of expenditure.
3. NPI 1762.3 should be noted pending amendment.
4. Navy Order 54/73 is hereby cancelled.

(252/10/9)

(Navy Order 54/73)

UNCLASSIFIED

139/74—Training and Qualifying Professional Tests for SDENWE and SDENWEA Officers

1. It has been decided that promotion to SD rank in the General Service, and Air, Weapons Electronics Engineering categories will be to the SDENWE and SDENWEA specialisations respectively and not as previously to the SDEN 'R', 'L', 'OE', 'AR' and 'AL' specialisations.
2. The sailor engineering categories concerned, and the relevant SDEN specialisations, are as follows:

- | | | |
|-------------------------------------|---|---------|
| Electronic Technical Weapons | } | SDENWE |
| Electronic Technical Systems | | |
| Electronic Technical Communications | | |
| Air Technical Weapons | } | SDENWEA |
| Air Technical Communications | | |

3. The SD professional tests, commencing with those scheduled for September 1974, will be modified as follows to take account of these changes:

a. *Professional Test for SDENWE*

Three test papers will be set and marked by the Weapons Electronics Engineering School, HMAS NIRIMBA, the draft papers being submitted with model answers to the Department of Defence, Navy Office (DFM), for prior approval.

- (1) *Paper 1. Weapons Electronics Engineering Theory.* (2½ hours). Five questions to be attempted from ten, covering the broad spectrum of the Engineering Theory content of the Weapons Electronics Engineering Categories NIRIMBA Course Training Standards (CTS).
- (2) *Paper 2. Weapons Electronics Engineering Administration.* (2½ hours). Five questions to be attempted from ten, covering the broad spectrum of Weapons Electronics Engineering Administration during a three year ship cycle. Fleet Staff advice is to be sought when setting this paper.
- (3) *Paper 3. Weapons Electronics Engineering Practice.* (2½ hours). Five questions to be attempted from seven, each question to have three (category) parts of equal value, one part only to be attempted, covering the broad spectrum of Weapons Electronics Engineering Practice (Application Engineering), as specified in the Engineering Practice, Course Training Standards for ETW, ETC and ETS, NIRIMBA, Training.

b. *Professional Test for SDENWEA*

Three test papers will be set and marked by DAE (calling on other Directorates and establishments for assistance as necessary) in the following format:

- (1) *Paper 1. Weapons Electronics Engineering Theory.* As for the general service categories above, but reflecting the NIRIMBA Air Training syllabuses.
- (2) *Paper 2. Air Weapons Electronics Engineering Administration.* Configured as for the General Service paper, but related to Air Engineering Administration. Five questions to be attempted from seven.
- (3) *Paper 3. Air Weapons Electronics Engineering Application.* (2½ hours). An Air Weapons paper and an Air Communications paper will be set, five questions to be attempted from seven, all of equal value, covering the broad spectrum of Air Weapons Electronics Engineering practice (Application Engineering) as specified in the Engineering Practice Course Training Standards for ATW and ATC, NIRIMBA, training.

4. A pass mark of 50 per cent in all papers will be a pre-requisite for success at the tests, but candidates should be made aware that the tests are essentially competitive in nature.

5. Candidates should also be made aware that the NIRIMBA Course Training Standards are used only as a convenient reference system to assist candidates in identifying areas for study, and not as a definitive indicator of standards. The CTS will be listed in ABR 27 Volume 2. Copies of the related syllabus pages can be obtained from the WE School, HMAS NIRIMBA, on request.

6. Special arrangements will be made in the event that any ex-Aircraft Mechanic Weapons sailor becomes a candidate for the SDENWEA examinations.

7. For the time being RATSTRUC trained MTL category sailors may elect to attempt the SDENWE examinations.

8. Newly promoted officers proceeding to qualifying courses in the United Kingdom will be designated SDENWE and SDENWEA on promotion, their qualifying courses being varied to take account of the broad specialisations intended.

9. Existing SDEN 'L', 'R' and 'OE' officers were advised by Navy Office Letter 312/3/143 dated 7 November 1973 whether they have been redesignated SDENWE, or are required to complete cross training prior to redesignation.

10. The cross training course is of sixty-three working days duration and will be free running. Before joining the course each officer should obtain a copy of the Course Training Standards from the WE School, HMAS CERBERUS, and advise the school on the standards already held, and of those required to be covered on the course. The School will then tailor the course content to meet the individual requirement and advise on a mutually convenient start date.

11. It is incumbent upon those officers who require cross training to ensure that an opportunity is created to complete this training. On completion of cross training, the Qualification Number 01362 will be awarded. Officers will not in future be posted to charge WEEO billets until cross training has been completed.

12. All SDEN 'AL' and 'AR' officers have been redesignated SDENWEA, as they are already cross trained.

13. SDENWEA officers posted to General Service billets will in future be cross trained prior to taking up such an appointment.

(312/3/143)

UNCLASSIFIED

140/74—Uniforms—Naval Chaplains—No 5 Undress

1. The Naval Board have approved that Chaplains may wear a collar and tie with No 5 undress as an optional alternative to the clerical collar and stock. The Chaplain's left collar badge is to be worn above the left breast pocket of the undress coat as the distinctive mark of the Chaplain when collar and tie is worn.

2. ABR 81, Article 0236b, will be amended in due course.

(2/8405/11)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

141/74—Revised Accounting and Replenishment System for Use in Small Vessels (Tenders) Not Subject to NAVTEND

1. Navy Order 346/73 promulgated details of a new accounting and replenishment system, NAVTEND, for submarines and other selected units of the Fleet.

2. With the introduction of NAVTEND, parent ships and bases will have charge of vessels operating under NAVTEND and others which are not. In order that uniform procedures operate, a revised accounting system for tendered vessels to which NAVTEND will not apply has been devised. These procedures are to apply in respect of all stores except provisions, repayment clothing and publications, in all vessels to which ABR 4—RAN Storekeeping Manual, Article 1901 (1)(a) applies.

3. The procedures are to be implemented as follows:

- a. vessels on NAVTEND—in accordance with Navy Order 346/73; and
- b. all other vessels—on receipt of this order.

4. The system is basically the NAVTEND system but without EDP aids such as Consolidated Allowance Lists (CALs), Equipment Allowance Lists (EALs), etc. Accounting, etc, for permanent stores is similar to that under existing procedures in ABR 4 Chapter 19, but an essential difference is that the inventory account is divided into two sections to facilitate mustering, viz: Part 1—Articles-in-Use and Part 2—Permanent Repair Parts Account.

5. The new system also provides for expenditure of consumable stores to be recorded on Forms SO114 as an aid to replenishment.

6. Detailed instructions for the system are set out at Annex A.

7. ABR 4 Chapter 19 will be amended.

ANNEX A

Revised Method for Accounting for Stores in Tenders Other than NAVTEND Stores in Small Vessels (Tenders)

1. All stores except provisions, repayment clothing and publications are to be accounted for in accordance with the following paragraphs.

Permanent Items

2. The account for permanent items is to be raised in duplicate on Forms SA239, Copy No 1 of which is to be held by the Supply Officer of the parent ship and Copy No 2 by the officer responsible for the stores in the tender. The account is to be divided into two parts (but included in one cover) according to the period during which the articles are to be mustered, viz:

Part 1—Articles-in-Use (A in U).

Part 2—Permanent Repair Parts Account (PRA).

3. Forms SA239 are to be arranged in accordance with Navy Order 374/72 and enclosed in binders Form SD129 together with certificates Forms SD127 and SD128.

4. Items on charge in the tender's account are not to be taken on charge in the Stores Account of the parent ship or base.

5. The officer responsible for stores in the tender is to ensure that his copy of the account is kept up to date. The Supply Officer of the parent ship or base is to exercise supervision over all stores transactions connected with the tender, and is responsible for keeping his copy of the account correct.

6. Issues of permanent repair parts from on-board stocks are to be recorded as they occur on Forms SO114. See Paragraph 10 regarding replacement, etc.

Consumable Items

7. All supplies of consumable stores are to be regarded as issued outright to the tender concerned. However, for the purpose of replenishment of consumable including non-accountable items, Requests for Stores Forms SO114 are to be used for:

- a. recording all issues from onboard stocks;
- b. replenishment from the parent ship of items expended;
- c. a record of dues in by the tender; and
- d. a source document for preparation of demand vouchers on a Supply Depot or another ship.

ANNEX A—continued

8. As items are issued the following particulars are to be recorded on Forms SO114, raised in triplicate:

- a. date;
- b. stock number;
- c. description;
- d. unit of issue;
- e. quantity; and
- f. stowage.

Replenishment/Replacement of Stores

9. After supply of the first outfit, subsequent transactions in stores may be made as follows:

- a. through the stores account of the parent ship or base;
- b. direct from a Supply Depot (eg, when the tender is absent from the parent ship or base); and
- c. from another ship or establishment.

10. Supplies from the parent ship or base of:

- a. Permanent stores are normally to be made on a one for one basis. When un-serviceable permanent stores are exchanged for serviceable items Forms SX100 are to be raised. Forms SX100 are also to be used when permanent stores are issued by or returned to the parent ship or base to post:
 - (i) the store account of the parent ship or base; and
 - (ii) the Articles-in-Use or Permanent Repair Parts Accounts where net alteration of quantities and/or change of serial numbers is involved.
- b. Consumable (including Non-Accountable) Stores are to be demanded using Forms SO114, copies Nos 1 and 2 of which are to be forwarded to the parent ship or base. Copy No 3 is to be retained onboard as a 'dues in' record. After issue has been effected using Forms SX207 or SX100, copy No 2 of Forms SO114 is to be returned to the tender with the stores. Where the demand cannot be satisfied or where partial supply is effected, appropriate action is to be taken by the parent ship or base, copy No 1 of Form SO114 being retained for demand action and as a 'dues out' record. The quantities and/or items shown on Forms SO114 are to be amended accordingly and copy No 2 is to be returned to the tender and retained as a 'dues in'.

11. Supplies from and returns direct to a Supply Depot are to be dealt with as indicated in ABR 4 Article 1902 (8).

12. Stores obtained from another ship are to be dealt with as follows:

- a. Supply of consumable stores is to be effected in accordance with ABR 4 Article 1307 (1). The officer making supply is to obtain receipt from the tender on Form SX125 and forward the original (Supply Note) copy to the parent ship or base for filing. No further accounting action is required.
- b. Permanent items are to be supplied in accordance with ABR 4 Article 1307 (2) on Forms SX125 which, where there has been a net alteration to the account or a change in serial numbers, is to be used to amend both copies of the inventory account.

ANNEX A—continued

- c. Unserviceable items held by the tender for which serviceable replacements were received from another ship are to be recorded on Form SO114 which is to be used as the basis for raising Form SX100 to return the items to the parent ship or base. The Form SO114 is to be noted to the effect that a replacement item has been obtained and that replenishment is not required.

Stocktaking

13. The two copies of the Articles-in-Use Account are to be compared by the Supply Officer of the parent ship or base and the account verified by muster of the stores as follows:

- a. Six monthly by the officer responsible for stores in the tender. At every second muster the Supply Officer of the parent ship or base is to be represented where possible. Where circumstances preclude the Supply Officer or his representative being present at the second muster, a report is to be made to the Administrative Authority.
- b. On change of the officer responsible for stores in the tender. Where possible the outgoing and incoming officers are to be associated with the muster.

14. The officer responsible for the stores in the tender is to ensure that a stocktaking of the Permanent Repair Parts Account carried onboard is accomplished at the end of the tender's operating cycle or prior to main refit.

15. Deficiencies are normally to be dealt with on Forms SA116, in accordance with ABR 4 Chapter 14. Where accounting errors have occurred, Forms SS1, Stocktaking Discrepancy Reports (SDRs) are to be prepared in triplicate. Surpluses are to be brought to account by SDRs. The copies of the SDRs are to be disposed of as follows:

- Copy No 1—to be forwarded to the Director of Supply Services (DSUS) through the parent ship or base.
- Copy No 2—to be forwarded to the parent ship or base for provisional adjustment of the A in U Account or PRA (original).
- Copy No 3—to be retained onboard the tender as a supporting voucher to the provisional adjustment of the A in U Account or PRA (duplicate).

Transfer of a Tender to Another Parent Ship or Base

16. When a tender is transferred to another parent ship or base, the No 2 copies of Forms SX100, appropriate to the particular tender, are to be handed to and retained by the Supply Officer of the parent ship or base from which the tender has been transferred. Copies No 1 of the A in U Account and PRA retained by the Supply Officer of the parent ship or base are to be compared with copies No 2 held by the tender. The accounting records, together with copies of outstanding demands are to be forwarded under cover of Form SX125 to the Supply Officer of the parent ship or base to which the tender has been transferred.

Vouchers

17. All vouchers connected with the supply to or return of stores from tenders are to bear a reference to the name of the parent ship or base, followed by the name of the tender, eg, HMAS CRESWELL for AWARE.

(400/1/3264)

(Navy Orders 374/72 and 346/73)

UNCLASSIFIED

142/74—Ships' Main AC Generators—Phase Sequence

1. The contractor's sea trials of a new construction ship were recently delayed when, before sailing, the shore power was disconnected and the electric load taken by the ship's generators. The report states, inter alia, that the result 'though somewhat alarming, was quite spectacular, with all electric motors within the ship running in reverse, including the radar aerial. Power to the ship's steering system was lost. Sailing was delayed forty-five minutes whilst all three generators were correctly rewired in phase, with then, all equipments operating to performance.'

2. The standard phase sequence is the order in which the phase voltages, as measured from a star point, attain their successive maximum values of one sign. The sequence is L1, L2, L3 respectively in the lettering system of marking; is Red, Yellow, Blue in the colour system of marking, and corresponds with a counter-clockwise vector rotation.

3. It should also be noted that the US Navy uses a counter-clockwise vector rotation and the phase sequence is 1, 2, 3 or A, B, C in the numerical and letter systems of marking respectively. The colours used, however, are:

Phase A—Black

Phase B—White

Phase C—Red.

4. To compare phases of similar colours in RAN/RN equipments and USN equipments is incorrect. Connections between RAN/RN and USN equipments should therefore be made on the basis of letter marking wherever possible.

5. The attention of all concerned is directed to the necessity to check the phase sequence of ships' main AC generators and to ensure that initially the phases are correctly connected to the switchboard. A check for phase sequence shall also be applied to generators or motors, after major repair or rewind, and before connecting to the electrical supply system: a phase sequence indicator should be used to make this check on any important machine.

6. Test and trial forms, including Generator Test Forms TT101 to 106 will be amended to include items for phase sequence checks.

(1211/51/923)

AMENDMENTS

UNCLASSIFIED

143/74—Fire Control—MRS3—Rebalancing of Director Gyro Units Mark 2

Navy Order 69/74 is to be amended as follows:

Heading—delete Direction and insert Director.

(Navy Order 69/74)

(737/56/171)

UNCLASSIFIED

144/74—Numbering of Storerooms in HMA Ships

Navy Order 225/73 is amended as follows:

Delete Paragraph 7 and insert new Paragraph 7 as follows:

'7. NCM/1.0/E2 Naval Construction Manual, which is now being prepared for printing, will include the above information.'

(Navy Order 225/73)

(400/1/1132)

UNCLASSIFIED

145/74—Outboard Motors—Revised Allowances of 20 HP and 40 HP Outboard Motors for HMA Ships and Establishments

Navy Order 322/73 is to be amended as follows:

Paragraph 2: Delete '(except HMAS MADANG)'.

(Navy Order 322/73)

(1104/51/949)

AMENDMENTS

UNCLASSIFIED

14474—The Council—HHS—Rebuilding of District One Clinic

Part 2

May 1974 is to be recorded as follows:

Meeting—After Session and Early Dinner

(10074/11)

(May Date 10/74)

UNCLASSIFIED

14474—Rebuilding of District One Clinic

May 1974 is recorded as follows:

Early Dinner 7 and Early Dinner 7 to 10:00

7:00 PM to 10:00 PM (Meeting Room) after 7:00 PM

and the meeting will include the above information.

(10074/11)

(May Date 10/74)

UNCLASSIFIED

14474—District One—Rebuilding of District One Clinic

Meeting Room for HHS after 7:00 PM

May 1974 is to be recorded as follows:

Meeting 7:00 PM to 10:00 PM

(10074/11)

(May Date 10/74)



DALS

ANO 146/74



AUSTRALIAN NAVY ORDER

Navy Office, Canberra,
26 April 1974.

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

AUSTRALIAN
NAVY ORDER

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 4720.

ADMINISTRATIVE AND GENERAL

ENCLOSURE

146/74—Department of Defence—Registry Information Analysis Centre—Formation

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2. Nuclear Weapons
3. Fire Control Equipment
4. Ammunition and Explosives
5. Coastal Mines
6. Aircraft and Airborne Armament Components
7. Aircraft Components and Accessories
8. Aircraft Landing, Landing and Ground Handling Equipment
9. Space Vehicles
10. Ships, Small Craft, Boats, and Floating Docks
11. Ships and Marine Equipment
12. Railway Equipment
13. Ground Force Vehicles, Motor Vehicles, Tractors, and Cycles

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

**146/74—Department of Defence—Registry Information Analysis Centre—
Formation**

1. The Defence Administration Committee has approved the concept of a single Correspondence Registration Catalogue and Index System for the integrated Departmental Information Analysis Centre section of the Registry. This section expects to be operating in the near future.

2. The Equipment Correspondence Registration Catalogue, based on the Defence Cataloguing System for items of stores and equipment, will be a three number system as follows:

- a. the first number is that applicable to the Group Class number for the item of stores and equipment;
- b. the second number is a break down of subject aspects applicable to the Class number; and
- c. the third number represents individual files created under a. and b. above.

Correspondence concerning more than one Group or more than one Class under a particular Group will be catered for in the new Registration Catalogue.

3. The Registry Information Analysis Centre will be staffed by officers drawn from the existing Defence, Navy, Army and Air Sub-registries. An officer from any Sub-registry could be processing correspondence applicable to Navy stores and equipment matters. It is therefore essential that all Naval Authorities (Civil and Service) ensure that the Group/Class numbers of items of stores and equipment as shown in Annex A are always indicated in correspondence. Navy Order 239/73 refers.

ANNEX A*Group*

- 10 Weapons
- 11 Nuclear Ordnance
- 12 Fire Control Equipment
- 13 Ammunition and Explosives
- 14 Guided Missiles
- 15 Aircraft; and Airframe Structural Components
- 16 Aircraft Components and Accessories
- 17 Aircraft Launching, Landing, and Ground Handling Equipment
- 18 Space Vehicles
- 19 Ships, Small Craft, Pontoons, and Floating Docks
- 20 Ships and Marine Equipment
- 22 Railway Equipment
- 23 Ground Effect Vehicles, Motor Vehicles, Trailers, and Cycles

ANNEX A—continued

Group

- 24 Tractors
- 25 Vehicular Equipment Components
- 26 Tyres and Tubes
- 28 Engines, Turbines, and Components
- 29 Engine Accessories
- 30 Mechanical Power Transmission Equipment
- 31 Bearings
- 32 Woodworking Machinery and Equipment
- 34 Metalworking Machinery
- 35 Service and Trade Equipment
- 36 Special Industry Machinery
- 37 Agricultural Machinery and Equipment
- 38 Construction, Mining, Excavating, and Highway Maintenance Equipment
- 39 Materials Handling Equipment
- 40 Rope, Cable, Chain, and Fittings
- 41 Refrigeration, Air Conditioning, and Air Circulating Equipment
- 42 Fire Fighting, Rescue, and Safety Equipment
- 43 Pumps and Compressors
- 44 Furnace, Steam Plant, and Drying Equipment; and Nuclear Reactors
- 45 Plumbing, Heating, and Sanitation Equipment
- 46 Water Purification and Sewage Treatment Equipment
- 47 Pipe, Tubing, Hose, and Fittings
- 48 Valves
- 49 Maintenance and Repair Shop Equipment
- 51 Hand Tools
- 52 Measuring Tools
- 53 Hardware and Abrasives
- 54 Prefabricated Structures and Scaffolding
- 55 Lumber, Millwork, Plywood, and Veneer
- 56 Construction and Building Materials
- 58 Communication, Detection, and Coherent Radiation Equipment
- 59 Electrical and Electronic Equipment Components

ANNEX A—continued

Group

- 61 Electric Wire, and Power and Distribution Equipment
- 62 Lighting Fixtures and Lamps
- 63 Alarm and Signal Systems
- 65 Medical, Dental, and Veterinary Equipment and Supplies
- 66 Instruments and Laboratory Equipment
- 67 Photographic Equipment
- 68 Chemicals and Chemical Products
- 69 Training Aids and Devices
- 71 Furniture
- 72 Household and Commercial Furnishings and Appliances
- 73 Food Preparation and Serving Equipment
- 74 Office Machines, Visible Record Equipment, and Data Processing Equipment
- 75 Office Supplies and Devices
- 76 Books, Maps, and Other Publication
- 77 Musical Instruments, Phonographs, and Home-Type Radios
- 78 Recreational and Athletic Equipment
- 79 Cleaning Equipment and Supplies
- 80 Brushes, Paints, Sealers, and Adhesives
- 81 Containers, Packaging, and Packing Supplies
- 83 Textiles, Leather, Furs, Apparel and Shoe Findings, Tents and Flags
- 84 Clothing, Individual Equipment, and Insignia
- 85 Toiletries
- 87 Agricultural Supplies
- 88 Live Animals
- 89 Subsistence
- 91 Fuels, Lubricants, Oils, and Waxes
- 93 Nonmetallic Fabricated Materials
- 94 Nonmetallic Crude Materials
- 95 Metal Bars, Sheets, and Shapes
- 96 Ores, Minerals, and Their Primary Products
- 99 Miscellaneous

Federal Supply Classification

Groups and Classes

GROUP 10

Weapons

- 1005 Guns, through 30 mm
- 1010 Guns, over 30 mm up to 75 mm
- 1015 Guns, 75 mm through 125 mm
- 1020 Guns, over 125 mm through 150 mm
- 1025 Guns, over 150 mm through 200 mm
- 1030 Guns, over 200 mm through 300 mm
- 1035 Guns, over 300 mm
- 1040 Chemical Weapons and Equipment
- 1045 Launchers, Torpedo and Depth Charge
- 1055 Launchers, Rocket and Pyrotechnic
- 1070 Nets and Booms, Ordnance
- 1075 Degaussing and Mine Sweeping Equipment
- 1080 Camouflage and Deception Equipment
- 1090 Assemblies Interchangeable Between Weapons in Two or More Classes
- 1095 Miscellaneous Weapons

GROUP 11

Nuclear Ordnance

- 1105 Nuclear Bombs
- 1110 Nuclear Projectiles
- 1115 Nuclear Warheads and Warhead Sections
- 1125 Nuclear Demolition Charges
- 1127 Nuclear Rockets
- 1130 Conversion Kits, Nuclear Ordnance
- 1135 Fuzing and Firing Devices, Nuclear Ordnance
- 1140 Nuclear Components
- 1145 Explosive and Pyrotechnic Components, Nuclear Ordnance
- 1190 Specialised Test and Handling Equipment, Nuclear Ordnance
- 1195 Miscellaneous Nuclear Ordnance

GROUP 12

Fire Control Equipment

- 1210 Fire Control Directors
- 1220 Fire Control Computing Sights and Devices
- 1230 Fire Control Systems, Complete
- 1240 Optical Sighting and Ranging Equipment
- 1250 Fire Control Stabilising Mechanisms
- 1260 Fire Control Designating and Indicating Equipment
- 1265 Fire Control Transmitting and Receiving Equipment, except Airborne
- 1270 Aircraft Gunnery Fire Control Components
- 1280 Aircraft Bombing Fire Control Components
- 1285 Fire Control Radar Equipment, except Airborne
- 1287 Fire Control Sonar Equipment
- 1290 Miscellaneous Fire Control Equipment

GROUP 13

Ammunition and Explosives

- 1305 Ammunition, through 30 mm
- 1310 Ammunition, over 30 mm up to 75 mm
- 1315 Ammunition, 75 mm through 125 mm
- 1320 Ammunition, over 125 mm
- 1325 Bombs
- 1330 Grenades
- 1336 Guided Missile Warheads and Explosive Components
- 1337 Guided Missile and Space Vehicle Explosive Propulsion Units, Solid Fuel; and Components
- 1338 Guided Missile and Space Vehicle Inert Propulsion Units, Solid Fuel; and Components
- 1340 Rockets, Rocket Ammunition and Rocket Components
- 1345 Land Mines
- 1350 Underwater Mine Inert Components

ANNEX A—continued

- 1351 Underwater Mine Explosive Components
- 1355 Torpedo Inert Components
- 1356 Torpedo Explosive Components
- 1360 Depth Charge Inert Components
- 1361 Depth Charge Explosive Components
- 1365 Military Chemical Agents
- 1370 Pyrotechnics
- 1375 Demolition Materials
- 1376 Bulk Explosives
- 1377 Cartridge and Propellant Actuated Devices and Components
- 1380 Military Biological Agents
- 1385 Explosive Ordnance Disposal Tools, Surface
- 1386 Explosive Ordnance Disposal Tools, Underwater
- 1390 Fuzes and Primers
- 1395 Miscellaneous Ammunition
- 1398 Specialised Ammunition Handling and Servicing Equipment

GROUP 14

Guided Missiles

- 1410 Guided Missiles
- 1420 Guided Missile Components
- 1425 Guided Missile Systems, Complete
- 1427 Guided Missile Subsystems
- 1430 Guided Missile Remote Control Systems
- 1440 Launchers, Guided Missile
- 1450 Guided Missiles Handling and Servicing Equipment

GROUP 15

Aircraft and Airframe Structural Components

- 1510 Aircraft, Fixed Wing
- 1520 Aircraft, Rotary Wing
- 1540 Gliders
- 1550 Drones
- 1560 Airframe Structural Components

GROUP 16

Aircraft Components and Accessories

- 1610 Aircraft Propellers
- 1615 Helicopter Rotor Blades, Drive Mechanisms and Components

- 1620 Aircraft Landing Gear Components
- 1630 Aircraft Wheel and Brake Systems
- 1650 Aircraft Hydraulic, Vacuum, and De-icing System Components
- 1660 Aircraft Air Conditioning, Heating, and Pressurising Equipment
- 1670 Parachutes; Aerial Pick Up, Delivery, Recovery Systems; and Cargo Tie Down Equipment
- 1680 Miscellaneous Aircraft Accessories and Components

GROUP 17

Aircraft Launching, Landing, and Ground Handling Equipment

- 1710 Aircraft Arresting, Barrier, and Barricade Equipment
- 1720 Aircraft Launching Equipment
- 1730 Aircraft Ground Servicing Equipment
- 1740 Airfield Specialised Trucks and Trailers

GROUP 18

Space Vehicles

- 1810 Space Vehicles
- 1820 Space Vehicle Components
- 1830 Space Vehicle Remote Control Systems
- 1840 Space Vehicle Launchers
- 1850 Space Vehicle Handling and Servicing Equipment
- 1860 Space Survival Equipment

GROUP 19

Ships, Small Craft, Pontoons, and Floating Docks

- 1905 Combat Ships and Landing Vessels
- 1910 Transport Vessels, Passenger and Troop
- 1915 Cargo and Tanker Vessels
- 1920 Fishing Vessels
- 1925 Special Service Vessels
- 1930 Barges and Lighters, Cargo
- 1935 Barges and Lighters, Special Purpose
- 1940 Small Craft
- 1945 Pontoons and Floating Docks

ANNEX A—continued

1950 Floating Drydocks	2530 Vehicular Brake, Steering, Axle, Wheel, and Track Components
1955 Dredges	2540 Vehicular Furniture and Accessories
1990 Miscellaneous Vessels	2590 Miscellaneous Vehicular Components
GROUP 20	
Ships and Marine Equipment	
2010 Ship and Boat Propulsion Components	
2020 Rigging and Rigging Gear	
2030 Deck Machinery	
2040 Marine Hardware and Hull Items	
2050 Buoys	
2060 Commercial Fishing Equipment	
2090 Miscellaneous Ship and Marine Equipment	
GROUP 22	
Railway Equipment	
2210 Locomotives	
2220 Rail Cars	
2230 Right-of-Way Construction and Maintenance Equipment, Railroad	
2240 Locomotive and Rail Car Accessories and Components	
2250 Track Materials, Railroad	
GROUP 23	
Ground Effect Vehicles, Motor Vehicles, Trailers, and Cycles	
2305 Ground Effect Vehicles	
2310 Passenger Motor Vehicles	
2320 Trucks and Truck Tractors, Wheeled	
2330 Trailers	
2340 Motorcycles, Motor Scooters, and Bicycles	
2350 Combat, Assault and Tactical Vehicles, Tracked	
GROUP 24	
Tractors	
2410 Tractors, Full Track, Low Speed	
2420 Tractors, Wheeled	
2430 Tractors, Track Laying, High Speed	
GROUP 25	
Vehicular Equipment Components	
2510 Vehicular Cab, Body, and Frame Structural Components	
2520 Vehicular Power Transmission Components	
2530 Vehicular Brake, Steering, Axle, Wheel, and Track Components	
2540 Vehicular Furniture and Accessories	
2590 Miscellaneous Vehicular Components	
GROUP 26	
Tyres and Tubes	
2610 Tyres and Tubes, Pneumatic, except Aircraft	
2620 Tyres and Tubes, Pneumatic, Aircraft	
2630 Tyres, Solid and Cushion	
2640 Tyre Rebuilding and Tyre and Tube Repair Materials	
GROUP 28	
Engines, Turbines, and Components	
2805 Gasoline Reciprocating Engines, except Aircraft; and Components	
2810 Gasoline Reciprocating Engines, Aircraft; and Components	
2815 Diesel Engines and Components	
2820 Steam Engines, Reciprocating; and Components	
2825 Steam Turbines and Components	
2830 Water Turbines and Water Wheels; and Components	
2835 Gas Turbines and Jet Engines, except Aircraft; and Components	
2840 Gas Turbines and Jet Engines, Aircraft; and Components	
2845 Rocket Engines and Components	
2895 Miscellaneous Engines and Components	
GROUP 29	
Engine Accessories	
2910 Engine Fuel System Components, except Aircraft	
2915 Engine Fuel System Components, Aircraft	
2920 Engine Electrical System Components, except Aircraft	
2925 Engine Electrical System Components, Aircraft	
2930 Engine Cooling System Components, except Aircraft	
2935 Engine Cooling System Components, Aircraft	

ANNEX A—continued

2940 Engine Air and Oil Filters, Strainers, and Cleaners, except Aircraft	3416 Lathes
2945 Engine Air and Oil Filters, Strainers, and Cleaners, Aircraft	3417 Milling Machines
2950 Turbosuperchargers	3418 Planers and Shapers
2990 Miscellaneous Engine Accessories, except Aircraft	3419 Miscellaneous Machine Tools
2995 Miscellaneous Engine Accessories, Aircraft	3422 Rolling Mills and Drawing Machines
GROUP 30	
Mechanical Power Transmission Equipment	
3010 Torque Converters and Speed Changes	3424 Metal Heat Treating and Non-thermal Treating Equipment
3020 Gears, Pulleys, Sprockets, and Transmission Chain	3426 Metal Finishing Equipment
3030 Belting, Drive Belts, Fan Belts, and Accessories	3431 Electric Arc Welding Equipment
3040 Miscellaneous Power Transmission Equipment	3432 Electric Resistance Welding Equipment
GROUP 31	
Bearings	
3110 Bearings, Antifriction, Unmounted	3433 Gas Welding, Heat Cutting and Metalising Equipment
3120 Bearings, Plan, Unmounted	3436 Welding Positioners and Manipulators
3130 Bearings, Mounted	3438 Miscellaneous Welding Equipment
GROUP 32	
Woodworking Machinery and Equipment	
3210 Sawmill and Planing Mill Machinery	3439 Miscellaneous Welding, Soldering and Brazing Supplies and Accessories
3220 Woodworking Machines	3441 Bending and Forming Machines
3230 Tools and Attachments for Woodworking Machinery	3442 Hydraulic and Pneumatic Presses, Power Driven
GROUP 34	
Metalworking Machinery	
3405 Saws and Filing Machines	3443 Mechanical Presses, Power Driven
3408 Machining Centres and Way-type Machines	3444 Manual Presses
3410 Electrical and Ultrasonic Erosion Machines	3445 Punching and Shearing Machines
3411 Boring Machines	3446 Forging Machinery and Hammers
3412 Broaching Machines	3447 Wire and Metal Ribbon Forming Machines
3413 Drilling and Tapping Machines	3448 Riveting Machines
3414 Gear Cutting and Finishing Machines	3449 Miscellaneous Secondary Metal Forming and Cutting Machines
3415 Grinding Machines	3450 Machine Tools, Portable
	3455 Cutting Tools for Machine Tools
	3456 Cutting and Forming Tools for Secondary Metalworking Machinery
	3460 Machine Tool Accessories
	3461 Accessories for Secondary Metalworking Machinery
	3465 Production Jigs, Fixtures, and Templates
	3470 Machine Shop Sets, Kits, and Outfits
GROUP 35	
Service and Trade Equipment	
3510 Laundry and Dry Cleaning Equipment	
3520 Shoe Repairing Equipment	

ANNEX A—continued

- 3530 Industrial Sewing Machines and Mobile Textile Repair Shops
 3540 Wrapping and Packaging Machinery
 3550 Vending and Coin Operated Machines
 3590 Miscellaneous Service and Trade Equipment

GROUP 36

Special Industry Machinery

- 3605 Food Products Machinery and Equipment
 3610 Printing, Duplicating, and Book-binding Equipment
 3611 Industrial Marking Machines
 3615 Pulp and Paper Industries Machinery
 3620 Rubber and Plastics Working Machinery
 3625 Textile Industries Machinery
 3630 Clay and Concrete Products Industries Machinery
 3635 Crystal and Glass Industries Machinery
 3640 Tobacco Manufacturing Machinery
 3645 Leather Tanning and Leather Working Industries Machinery
 3650 Chemical and Pharmaceutical Products Manufacturing Machinery
 3655 Gas Generating and Dispensing Systems, Fixed or Mobile
 3660 Industrial Size Reduction Machinery
 3670 Specialised Semiconductor, Micro-electronic Circuit Device, and Printed Circuit Board Manufacturing Machinery
 3680 Foundry Machinery, Related Equipment and Supplies
 3685 Specialised Metal Container Manufacturing Machinery and Related Equipment
 3690 Specialised Ammunition and Ordnance Machinery and Related Equipment
 3693 Industrial Assembly Machines
 3694 Clean Work Stations, Controlled Environment, and Related Equipment
 3695 Miscellaneous Special Industry Machinery

GROUP 37

Agricultural Machinery and Equipment

- 3710 Soil Preparation Equipment
 3720 Harvesting Equipment
 3730 Dairy, Poultry, and Livestock Equipment
 3740 Pest, Disease, and Frost Control Equipment
 3750 Gardening Implements and Tools
 3760 Animal Drawn Vehicles and Farm Trailers
 3770 Saddlery, Harness, Whips, and Related Animal Furnishings

GROUP 38

Construction, Mining, Excavating, and Highway Maintenance Equipment

- 3805 Earth Moving and Excavating Equipment
 3810 Cranes and Crane-shovels
 3815 Crane and Crane-shovel Attachments
 3820 Mining, Rock Drilling, Earth Boring, and Related Equipment
 3825 Road Clearing and Cleaning Equipment
 3830 Truck and Tractor Attachments
 3835 Petroleum Production and Distribution Equipment
 3895 Miscellaneous Construction Equipment

GROUP 39

Materials Handling Equipment

- 3910 Conveyors
 3915 Materials Feeders
 3920 Materials Handling Equipment, Nonsell-Propelled
 3930 Warehouse Trucks and Tractors, Self-Propelled
 3940 Blocks, Tackle, Rigging and Slings
 3950 Winches, Hoists, Cranes, and Derricks
 3960 Elevators and Escalators
 3990 Miscellaneous Materials Handling Equipment

GROUP 40

Rope, Cable, Chain, and Fittings

- 4010 Chain and Wire Rope
 4020 Fibre Rope, Cordage and Twine
 4030 Fittings for Rope, Cable and Chain

ANNEX A—continued

GROUP 41

Refrigeration, Air Conditioning, and Air Circulating Equipment

- 4110 Refrigeration Equipment
 4120 Air Conditioning Equipment
 4130 Refrigeration and Air Conditioning Components
 4140 Fans, Air Circulators, and Blower Equipment

GROUP 42

Fire Fighting, Rescue, and Safety Equipment

- 4210 Fire Fighting Equipment
 4220 Marine Lifesaving and Diving Equipment
 4230 Decontaminating and Impregnating Equipment
 4240 Safety and Rescue Equipment

GROUP 43

Pumps and Compressors

- 4310 Compressors and Vacuum Pumps
 4320 Power and Hand Pumps
 4330 Centrifugals, Separators, and Pressure and Vacuum Filters

GROUP 44

Furnace, Steam Plant, and Drying Equipment; and Nuclear Reactors

- 4410 Industrial Boilers
 4420 Heat Exchangers and Steam Condensers
 4430 Industrial Furnaces, Kilns, Lehrs, and Ovens
 4440 Driers, Dehydrators, and Anhydrotors
 4460 Air Purification Equipment
 4470 Nuclear Reactors

GROUP 45

Plumbing, Heating, and Sanitation Equipment

- 4510 Plumbing Fixtures and Accessories
 4520 Space Heating Equipment and Domestic Water Heaters
 4530 Fuel Burning Equipment Units
 4540 Miscellaneous Plumbing, Heating and Sanitation Equipment

GROUP 46

Water Purification and Sewage Treatment Equipment

- 4610 Water Purification Equipment
 4620 Water Distillation Equipment, Marine and Industrial
 4630 Sewage Treatment Equipment

GROUP 47

Pipe, Tubing, Hose, and Fittings

- 4710 Pipe and Tube
 4720 Hose and Tubing, Flexible
 4730 Fittings and Specialties: Hose, Pipe and Tube

GROUP 48

Valves

- 4810 Valves, Powered
 4820 Valves, Nonpowered

GROUP 49

Maintenance and Repair Shop Equipment

- 4910 Motor Vehicle Maintenance and Repair Shop Specialised Equipment
 4920 Aircraft Maintenance and Repair Shop Specialised Equipment
 4921 Torpedo Maintenance, Repair, and Checkout Specialised Equipment
 4923 Depth Charges and Underwater Mines Maintenance, Repair, and Checkout Specialised Equipment
 4925 Ammunition Maintenance, Repair, and Checkout Specialised Equipment
 4927 Rocket Maintenance, Repair and Checkout Specialised Equipment
 4930 Lubrication and Fuel Dispensing Equipment
 4931 Fire Control Maintenance and Repair Shop Specialised Equipment
 4933 Weapons Maintenance and Repair Shop Specialised Equipment
 4935 Guided Missile Maintenance, Repair and Checkout Specialised Equipment

ANNEX A—continued

- 4940 Miscellaneous Maintenance and Repair Shop Specialised Equipment
4960 Space Vehicle Maintenance, Repair and Checkout Specialised Equipment

GROUP 51

Hand Tools

- 5110 Hand Tools, Edged, Nonpowered
5120 Hand Tools, Nonedged, Nonpowered
5130 Hand Tools, Power Driven
5133 Drill Bits, Counterbores, and Countersinks: Hand and Machine
5136 Taps, Dies, and Collets: Hand and Machine
5140 Tool and Hardware Boxes
5180 Sets, Kits, and Outfits of Hand Tools

GROUP 52

Measuring Tools

- 5210 Measuring Tools, Craftsmen's
5220 Inspection Gauges and Precision Layout Tools
5280 Sets, Kits, and Outfits of Measuring Tools

GROUP 53

Hardware and Abrasives

- 5305 Screws
5306 Bolts
5307 Studs
5310 Nuts and Washers
5315 Nails, Keys, and Pins
5320 Rivets
5325 Fastening Devices
5330 Packing and Gasket Materials
5335 Metal Screening
5340 Miscellaneous Hardware
5345 Disks and Stones, Abrasive
5350 Abrasive Materials
5355 Knobs and Pointers
5360 Coil, Flat, and Wire Springs
5365 Rings, Shims, and Spacers

GROUP 54

Prefabricated Structures and Scaffolding

- 5410 Prefabricated and Portable Buildings
5420 Bridges, Fixed and Floating

- 5430 Storage Tanks
5440 Scaffolding Equipment and Concrete Forms
5445 Prefabricated Tower Structures
5450 Miscellaneous Prefabricated Structures

GROUP 55

Lumber, Millwork, Plywood, and Veneer

- 5510 Lumber and Related Basic Wood Materials
5520 Millwork
5530 Plywood and Veneer

GROUP 56

Construction and Building Materials

- 5610 Mineral Construction Materials, Bulk
5620 Building Glass, Tile, Brick, and Block
5630 Pipe and Conduit, Nonmetallic
5640 Wallboard, Building Paper, and Thermal Insulation Materials
5650 Roofing and Siding Materials
5660 Fencing, Fences and Gates
5670 Architectural and Related Metal Products
5680 Miscellaneous Construction Materials

GROUP 58

Communication, Detection, and Coherent Radiation Equipment

- 5805 Telephone and Telegraph Equipment
5810 Communications Security Equipment and Components
5811 Other Cryptologic Equipment and Components
5815 Teletype and Facsimile Equipment
5820 Radio and Television Communication Equipment, except Airborne
5821 Radio and Television Communication Equipment, Airborne
5825 Radio Navigation Equipment, except Airborne
5826 Radio Navigation Equipment, Airborne

ANNEX A—continued

- 5830 Intercommunication and Public Address Systems, except Airborne
5831 Intercommunication and Public Address Systems, Airborne
5835 Sound Recording and Reproducing Equipment
5840 Radar Equipment, except Airborne
5841 Radar Equipment, Airborne
5845 Underwater Sound Equipment
5850 Visible and Invisible Light Communication Equipment
5855 Night Vision Equipment, Emitted and Reflected Radiation
5860 Stimulated Coherent Radiation Devices, Components, and Accessories
5865 Electronic Countermeasures, Counter-counter-measures and Quick Reaction Capability Equipment
5895 Miscellaneous Communication Equipment

GROUP 59

Electrical and Electronic Equipment Components

- 5905 Resistors
5910 Capacitors
5915 Filters and Networks
5920 Fuses and Lightning Arrestors
5925 Circuit Breakers
5930 Switches
5935 Connectors, Electrical
5940 Lugs, Terminals, and Terminal Strips
5945 Relays, Contactors, and Solenoids
5950 Coils and Transformers
5955 Piezoelectric Crystals
5960 Electron Tubes and Associated Hardware
5961 Semiconductor Devices and Associated Hardware
5962 Microelectronic Circuit Devices
5965 Headsets, Handsets, Microphones and Speakers
5970 Electrical Insulators and Insulating Materials
5975 Electrical Hardware and Supplies
5977 Electrical Contact Brushes and Electrodes

- 5985 Antennas, Waveguides, and Related Equipment
5990 Synchros and Resolvers
5995 Cable, Cord, and Wire Assemblies: Communication Equipment
5999 Miscellaneous Electrical and Electronic Components

GROUP 61

Electric Wire, and Power and Distribution Equipment

- 6105 Motors, Electrical
6110 Electrical Control Equipment
6115 Generators and Generator Sets, Electrical
6116 Fuel Cell Power Units, Components, and Accessories
6120 Transformers: Distribution and Power Station
6125 Converters, Electrical, Rotating
6130 Converters, Electrical, Nonrotating
6135 Batteries, Primary
6140 Batteries, Secondary
6145 Wire and Cable, Electrical
6150 Miscellaneous Electric Power and Distribution Equipment

GROUP 62

Lighting Fixtures and Lamps

- 6210 Indoor and Outdoor Electric Lighting Fixtures
6220 Electric Vehicular Lights and Fixtures
6230 Electric Portable and Hand Lighting Equipment
6240 Electric Lamps
6250 Ballasts, Lampholders, and Starters
6260 Nonelectric Lighting Fixtures

GROUP 63

Alarm and Signal Systems

- 6310 Traffic and Transit Signal Systems
6320 Shipboard Alarm and Signal Systems
6330 Railroad Signal and Warning Devices
6340 Aircraft Alarm and Signal Systems
6350 Miscellaneous Alarm and Signal Systems

ANNEX A—continued

GROUP 65

Medical, Dental, and Veterinary Equipment and Supplies

- 6505 Drugs, Biologicals, and Official Reagents
- 6508 Medicated Cosmetics and Toiletries
- 6510 Surgical Dressing Materials
- 6515 Medical and Surgical Instruments, Equipment, and Supplies
- 6520 Dental Instruments, Equipment, and Supplies
- 6525 X-ray Equipment and Supplies: Medical, Dental, Veterinary
- 6530 Hospital Furniture, Equipment, Utensils, and Supplies
- 6532 Hospital and Surgical Clothing and Related Special Purpose Items
- 6540 Opticians' Instruments, Equipment, and Supplies
- 6545 Medical Sets, Kits, and Outfits

GROUP 66

Instruments and Laboratory Equipment

- 6605 Navigational Instruments
- 6610 Flight Instruments
- 6615 Automatic Pilot Mechanisms and Airborne Gyro Components
- 6620 Engine Instruments
- 6625 Electrical and Electronic Properties Measuring and Testing Instruments
- 6630 Chemical Analysis Instruments
- 6635 Physical Properties Testing Equipment
- 6636 Environmental Chambers and Related Equipment
- 6640 Laboratory Equipment and Supplies
- 6645 Time Measuring Instruments
- 6650 Optical Instruments
- 6655 Geophysical and Astronomical Instruments
- 6660 Meteorological Instruments and Apparatus
- 6665 Hazard-Detecting Instruments and Apparatus
- 6670 Scales and Balances
- 6675 Drafting, Surveying, and Mapping Instruments

- 6680 Liquid and Gas Flow, Liquid Level, and Mechanical Motion Measuring Instruments
- 6685 Pressure, Temperature, and Humidity Measuring and Controlling Instruments
- 6695 Combination and Miscellaneous Instruments

GROUP 67

Photographic Equipment

- 6710 Cameras, Motion Picture
- 6720 Cameras, Still Picture
- 6730 Photographic Projection Equipment
- 6740 Photographic Developing and Finishing Equipment
- 6750 Photographic Supplies
- 6760 Photographic Equipment and Accessories
- 6770 Film, Processed
- 6780 Photographic Sets, Kits and Outfits

GROUP 68

Chemical and Chemical Products

- 6810 Chemicals
- 6820 Dyes
- 6830 Gases; Compressed and Liquefied
- 6840 Pest Control Agents and Disinfectants
- 6850 Miscellaneous Chemical Specialties

GROUP 69

Training Aids and Devices

- 6910 Training Aids
- 6920 Armament Training Devices
- 6930 Operation Training Devices
- 6940 Communication Training Devices

GROUP 71

Furniture

- 7105 Household Furniture
- 7110 Office Furniture
- 7125 Cabinets, Lockers, Bins, and Shelving
- 7195 Miscellaneous Furniture and Fixtures

ANNEX A—continued

GROUP 72

Household and Commercial Furnishings and Appliances

- 7210 Household Furnishings
- 7220 Floor Coverings
- 7230 Draperies, Awnings, and Shades
- 7240 Household and Commercial Utility Containers
- 7290 Miscellaneous Household and Commercial Furnishings and Appliances

GROUP 73

Food Preparation and Serving Equipment

- 7310 Food Cooking, Baking, and Serving Equipment
- 7320 Kitchen Equipment and Appliances
- 7330 Kitchen Hand Tools and Utensils
- 7340 Cutlery and Flatware
- 7350 Tableware
- 7360 Sets, Kits, and Outfits: Food Preparation and Serving

GROUP 74

Office Machines, Visible Record Equipment and Data Processing Equipment

- 7410 Punched Card System Machines
- 7420 Accounting and Calculating Machines
- 7430 Typewriters and Office Type Composing Machines
- 7440 Automatic Data Processing Systems: Industrial, Scientific, and Office Types
- 7450 Office Type Sound Recording and Reproducing Machines
- 7460 Visible Record Equipment
- 7490 Miscellaneous Office Machines

GROUP 75

Office Supplies and Devices

- 7510 Office Supplies
- 7520 Office Devices and Accessories
- 7530 Stationery and Record Forms
- 7540 Standard Forms

GROUP 76

Books, Maps, and Other Publications

- 7610 Books and Pamphlets
- 7630 Newspapers and Periodicals
- 7640 Maps, Atlases, Charts, and Globes
- 7650 Drawings and Specifications
- 7660 Sheet and Book Music
- 7670 Microfilm, Processed
- 7690 Miscellaneous Printed Matter

GROUP 77

Musical Instruments, Phonographs, and Home-Type Radios

- 7710 Musical Instruments
- 7720 Musical Instrument Parts and Accessories
- 7730 Phonographs, Radios, and Television Sets; Home Type
- 7740 Phonograph Records

GROUP 78

Recreational and Athletic Equipment

- 7810 Athletic and Sporting Equipment
- 7820 Games, Toys, and Wheeled Goods
- 7830 Recreational and Gymnastic Equipment

GROUP 79

Cleaning Equipment and Supplies

- 7910 Floor Polishers and Vacuum Cleaning Equipment
- 7920 Brooms, Brushes, Mops and Sponges
- 7930 Cleaning and Polishing Compounds and Preparations

GROUP 80

Brushes, Paints, Sealers, and Adhesives

- 8010 Paints, Dopes, Varnishes, and Related Products
- 8020 Paint and Artists' Brushes
- 8030 Preservative and Sealing Compounds
- 8040 Adhesives

GROUP 81

Containers, Packaging, and Packing Supplies

- 8105 Bags and Sacks
- 8110 Drums and Cans

ANNEX A—continued

- 8115 Boxes, Cartons, and Crates
 8120 Commercial and Industrial Gas Cylinders
 8125 Bottles and Jars
 8130 Reels and Spools
 8135 Packaging and Packing Bulk Materials
 8140 Ammunition and Nuclear Ordnance Boxes, Packages and Special Containers
 8145 Specialised Shipping and Storage Containers

GROUP 83

Textiles, Leather, Furs, Apparel and Shoe Findings, Tents and Flags

- 8305 Textile Fabrics
 8310 Yarn and Thread
 8315 Notions and Apparel Findings
 8320 Padding and Stuffing Materials
 8325 Fur Materials
 8330 Leather
 8335 Shoe Findings and Soling Materials
 8340 Tents and Tarpaulins
 8345 Flags and Pennants

GROUP 84

Clothing, Individual Equipment, and Insignia

- 8405 Outerwear, Men's
 8410 Outerwear, Women's
 8415 Clothing, Special Purpose
 8420 Underwear and Nightwear, Men's
 8425 Underwear and Nightwear, Women's
 8430 Footwear, Men's
 8435 Footwear, Women's
 8440 Hosiery, Handwear, and Clothing Accessories, Men's
 8445 Hosiery, Handwear, and Clothing Accessories, Women's
 8450 Children's and Infants' Apparel and Accessories
 8455 Badges and Insignia
 8460 Luggage
 8465 Individual Equipment
 8470 Armor, Personal
 8475 Specialised Flight Clothing and Accessories

GROUP 85

Toiletries

- 8510 Perfumes, Toilet Preparations, and Powders
 8520 Toilet Soap, Shaving Preparations, and Dentifrices
 8530 Personal Toiletry Articles
 8540 Toiletry Paper Products

GROUP 87

Agricultural Supplies

- 8710 Forage and Feed
 8720 Fertilisers
 8730 Seeds and Nursery Stock

GROUP 88

Live Animals

- 8810 Live Animals, Raised for Food
 8820 Live Animals, Not Raised for Food

GROUP 89

Subsistence

- 8905 Meat, Poultry, and Fish
 8910 Dairy Foods and Eggs
 8915 Fruits and Vegetables
 8920 Bakery and Cereal Products
 8925 Sugar, Confectionery, and Nuts
 8930 Jams, Jellies, and Preserves
 8935 Soups and Bouillons
 8940 Special Dietary Foods and Food Specialty Preparations
 8945 Food, Oils and Fats
 8950 Condiments and Related Products
 8955 Coffee, Tea, and Cocoa
 8960 Beverages, Nonalcoholic
 8965 Beverages, Alcoholic
 8970 Composite Food Packages
 8975 Tobacco Products

GROUP 91

Fuels, Lubricants, Oils, and Waxes

- 9110 Fuels, Solid
 9130 Liquid Propellants and Fuels, Petroleum Base
 9135 Liquid Propellant Fuels and Oxidisers, Chemical Base
 9140 Fuel Oils
 9150 Oils and Greases: Cutting, Lubricating, and Hydraulic
 9160 Miscellaneous Waxes, Oils, and Fats

ANNEX A—continued

GROUP 93

Nonmetallic Fabricated Materials

- 9310 Paper and Paperboard
 9320 Rubber Fabricated Materials
 9330 Plastics Fabricated Materials
 9340 Glass Fabricated Materials
 9350 Refractories and Fire Surfacing Materials
 9390 Miscellaneous Fabricated Non-metallic Materials

GROUP 94

Nonmetallic Crude Materials

- 9410 Crude Grades of Plant Materials
 9420 Fibres: Vegetable, Animal, and Synthetic
 9430 Miscellaneous Crude Animal Products, Inedible
 9440 Miscellaneous Crude Agricultural and Forestry Products
 9450 Nonmetallic Scrap, except Textile

GROUP 95

Metal Bars, Sheets, and Shapes

- 9505 Wire, Nonelectrical, Iron and Steel
 9510 Bars and Rods, Iron and Steel
 9515 Plate, Sheet, and Strip: Iron and Steel
 9520 Structural Shapes, Iron and Steel
 9525 Wire, Nonelectrical, Nonferrous Base Metal
 9530 Bars and Rods, Nonferrous Base Metal

- 9535 Plate, Sheet, Strip, and Foil: Non-ferrous Base Metal
 9540 Structural Shapes, Nonferrous Base Metal
 9545 Plate, Sheet, Strip, Foil, and Wire: Precious Metal

GROUP 96

Ores, Minerals, and Their Primary Products

- 9610 Ores
 9620 Minerals, Natural and Synthetic
 9630 Additive Metal Materials and Master Alloys
 9640 Iron and Steel Primary and Semi-finished Products
 9650 Nonferrous Base Metal Refinery and Intermediate Forms
 9660 Precious Metals Primary Forms
 9670 Iron and Steel Scrap
 9680 Nonferrous Metal Scrap

GROUP 99

Miscellaneous

- 9905 Signs, Advertising Displays, and Identification Plates
 9910 Jewelry
 9915 Collectors Items
 9920 Smokers Articles and Matches
 9925 Ecclesiastical Equipment, Furnishings, and Supplies
 9930 Memorials; Cemeterial and Mortuary Equipment and Supplies
 9999 Miscellaneous Items

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9377 Health Insurance, Vol. 1933
 9376 Structural Analysis, Monographs
 9375 Book Making, Vol. 1933
 9374 Food, Storage, 1933, 1934
 9373 Home-Production Methods, 1933
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 9370 Over-Exhaustion and Its Effects
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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 4720.

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Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

147/74—RAN Aircraft Ground Equipment Committee

1. The RAN Aircraft Ground Equipment Committee (short title RANAGEC) is a joint advisory body which considers the requirement for, evaluates and, where appropriate, recommends the introduction of aircraft ground handling and support equipment. This task includes specialised vehicles, systems, and associated airfield equipment but excludes those items of special-to-type equipment normally introduced as capital equipment under project procedures.

2. The terms of Reference of the Committee are:

- a. to ascertain types of equipment required for ground handling, servicing and support of RAN aircraft, ashore and afloat;
- b. to keep under review scales of issue and to recommend the withdrawal from service of redundant or obsolete equipment;
- c. to keep under review equipment performance and to initiate and follow up new developments;
- d. to recommend service equipment trials where appropriate and to arrange for representation at such trials;
- e. to recommend the introduction of new equipment and to compile and approve draft specifications for presentation to planning and procurement authorities; and
- f. to maintain liaison with other Services and Authorities in the interest of integration and standardisation of equipment.

3. Meetings of the Committee are chaired by the Director of Aircraft Engineering or his representative. DAE also provides the permanent Secretary. The members of the Committee comprise representatives from DNAP, Supply Directorates, SAMR, FOCEA, FOCAF and HMAS ALBATROSS. Other departments and authorities may be invited to attend when matters relevant to their field of responsibility are to be discussed.

4. The Committee meets twice yearly at HMAS ALBATROSS. Where possible these meetings are so arranged to permit attendance of the FOCAF representative.

5. To progress investigations and evaluations between the twice yearly meetings, two Sub-Committees meet as required to prepare reports and technical specifications for the main committee. These are an Aircraft Equipment Sub-Committee with a representative from DAE, SAMR and NAS NOWRA, and an Airfield Equipment Sub-Committee with a representative from DNAP, DAE and NAS NOWRA.

6. Matters which come within the terms quoted in Paragraph 2 above are to be represented by ships and establishments, through administrative authorities, under a title heading commencing 'RANAGEC Item'.

7. RANAGEC, as an advisory body, has no authority for expenditure and acquisition of equipment. Such authority is to be sought in accordance with existing regulations.

8. Navy Order 18/71 is hereby cancelled.

(1311/1/101)

(Navy Order 18/71)

Section 2

PERSONNEL

UNCLASSIFIED

148/74—Naval Health Benefits Society

1. The Naval Health Benefits Society was established in 1956 at which time the RAN Central Canteens Board made a grant of \$30,000 to establish the society.
2. The object of the society is to assist members in meeting the cost of medical, surgical and therapeutic treatment by qualified medical practitioners, and hospitalisation and home nursing of themselves (in the case of civilian members) and their dependants.
3. Membership of the society is open to:
 - a. any married officer/sailor/wran on full time duty in the Naval Forces;
 - b. single officers/sailors/wrans who may join in the three months prior to discharge;
 - c. any member of the Naval Forces with a dependant, subject to such conditions that the committee of management may determine; and
 - d. civilian employees of the Department of Defence (Navy Office).

Membership of the society may be continued after a member has ceased to be employed on full time duty, except that the committee reserves the right to refuse to continue the membership of any person whose services have been terminated for misconduct, discreditable service or inefficiency. In the event of the death of a member, the membership may be continued in respect of his dependants for such further periods as they desire, except that such membership shall cease on the remarriage of his widow.

4. A dependant means:

- a. a member's spouse;
- b. a member's child (or legally adopted child) under sixteen years of age;
- c. a member's child who has attained the age of sixteen years but who has not attained the age of twenty-five years, who is:
 - (1) unmarried,
 - (2) a full time student at a school, college or university which is recognised for income tax purposes, and
 - (3) not liable to pay income tax; and
- d. such other persons as are approved by the committee as wholly dependent upon a member.

5. As Naval personnel are provided with free medical and hospital care by the Service, the society makes a concession by way of smaller contributions, than those required by civilian funds, for the family of such members. As contributions are paid by allotment or deductions from salary no difficulties arise when a member's family moves interstate and the fear of membership lapsing because of unpaid contributions is removed.

6. There is established at Navy Office, a committee of management consisting of a chairman and four other members of the society each of whom is appointed by the Naval Board. The committee includes a Naval Medical Officer nominated by the Medical Director-General.

7. The committee of management administers the society in accordance with the constitution.

Commencement of Membership

8. It is an unfortunate fact that some young couples do not see a need for health insurance until they are faced with imminent medical and hospital costs which they cannot afford. Prospective members of the society should consider the following:
 - a. it is not necessary to wait until after their marriage to make an application to join;
 - b. an allotment of contributions is required to be declared commencing the first pay day after the application for membership has been forwarded. Membership will commence from the date of this allotment. Allotments may not be back dated before this date; or
 - c. if difficulties in arranging an allotment are met, a cheque or money order for the interim payments is acceptable. Membership would then commence from the date of receipt in the society's office of the application form and payment. Any adjustment to the contributions will be advised after the allotment has commenced.

Medical Benefits

9. Medical benefits are rebates on the fees charged by legally qualified registered medical practitioners. Chiropractors, Osteopaths, Naturopaths, etc, are not medical practitioners and medical benefits are not paid for their services. Generally there is a small gap between the benefit and the fee charged but provided that the scheduled most common fee is charged this gap will not be greater than \$5.00 for any single medical service.

Hospital Benefits

10. The society provides three levels of hospital insurance. These are:

Table	Benefit
H6	A benefit equal to the public hospital public ward fee in the State of hospitalisation.
H7	A benefit equal to the public hospital intermediate ward fee in the State of hospitalisation.
H8	A benefit equal to the public hospital private ward fee in the State of hospitalisation.

Notes: 1. The State controlled public hospital systems charge an all inclusive daily fee. They do not raise charges for 'extras' such as theatre fees, labour wards, recovery rooms, nursery fees, babies' laundry, drugs and dressings, television, telephone, etc.

2. Private hospital fees are largely uncontrolled and the extras listed in *Note 1* are commonly added to their accounts. The society does not pay benefits in respect of such extra charges.

Ancillary Benefits

11. In addition to the medical and hospital benefits subsidised by the Commonwealth, the society will pay a benefit for para medical and para hospital services. These include out patient treatment, physiotherapy, eye tests, spectacles, artificial aids, ambulance fees and home nursing.

Contributions

12. The society requires its members to contribute for both medical and hospital benefits. The rate of contribution for each class of contributor and level of hospital cover is shown on the application for membership form. These contribution rates are adjusted from time to time as doctors fees and hospital charges are increased. Contributions paid by allotment or deductions from salary are automatically increased.

13. Benefits are not payable to a contributor until the following qualifying periods are fulfilled:

- a. On first joining;
 - (1) confinement—nine calendar months from the date of first allotment,
 - (2) other services—two calendar months from date of first allotment,
- b. Members changing table;
 - (1) from wife only to family rate—two calendar months in respect of costs of medical and hospital services incurred by the child. Nine calendar months in respect of wife's confinement (*see Note*),
 - (2) to higher benefit table—same qualifying period as at a. (1) and a. (2) above. Services during this qualifying period will receive the benefit for the lower table if otherwise qualified.

Note: Unless the 'wife only' rate is increased to the 'family rate' at least two months before the expected date of the first confinement, the newly born child will not be covered for benefits should it require intensive care immediately after birth or other services during its first two months of life.

14. Where a member owes contributions for a period of or exceeding two months he is unfinancial and not entitled to any benefits until one month after the date of payment of all contributions due. A member who owes contributions for a period exceeding thirteen weeks ceases to be a member and on re-joining the society must requalify for benefits by completing the qualifying periods described in Paragraph 13 above.

15. A member paying a contribution by allotment or deduction from salary who may be unable to continue the payment by that method should write to the society for an alternative arrangement.

16. Members posted overseas are advised to continue their contributions until they are satisfied that the medical and hospital facilities at the overseas posting fully meets their needs.

Applications for Membership

17. Application forms are available from ships' pay offices or on request from the Secretary, Naval Health Benefits Society, Victoria Barracks, Melbourne, 3004.

Claims

18. Claim forms may be obtained from ships' pay offices. Claim forms are also supplied with each benefit cheque issued. If the claim is completed correctly the claimant may expect a benefit cheque within a few days. Incorrect completion will result in the form being returned with consequential delay in payment.

19. The Naval Board are aware of the financial difficulties which can arise from the cost of medical and hospital services and wish the advantages of belonging to a Health Insurance Fund to be stressed to all personnel. The Royal Australian Navy's own Naval Health Benefits Society to which all have easy access and where contributions can be simply paid by allotment has much to commend it.

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

21. Navy Order 144/71 is hereby cancelled.

(271/51/13)

(Navy Order 144/71)

UNCLASSIFIED

149/74—Programme of Professional Tests for Promotion to SD List— September 1974

1. The planned programme of professional tests in the Royal Australian Navy to be conducted by Navy Office on Tuesday 3 and Wednesday 4 September 1974 is shown in Paragraph 3 of this order. Successful candidates selected for the SD list will proceed to qualifying courses during 1975.

2. Application for these tests are to reach Navy Office one month in advance.

3. The list of professional tests is as follows:

SBLT SDSU S and W
SBLT SDEN ME MECH MED and MESN
SBLT SDSH
SBLT SDEN AE
SBLT SDENWE and SDENWEA
SBLT SDWM or WD.

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

5. Navy Order 159/73 is hereby cancelled.

(312/6/5)

(Navy Order 159/73)

UNCLASSIFIED

150/74—Restriction of Tattooing in the RAN

1. Junior Trainees serving in HMAS CRESWELL, NIRIMBA and LEEUWIN and Supplementary List Midshipmen and recruits in HMAS CERBERUS under the age of eighteen years of age are prohibited from having themselves tattooed.

2. The dangers of tattooing are to be included in health lectures of ships' companies and particularly to junior members of the Service. The possibility of transmission of homologous serum jaundice, syphilis and other infections by means of unsterile tattooing needles is to be emphasised. It is also to be stressed that once a person is tattooed it is practically impossible to remove a tattoo, even with extensive skin grafts, which cause embarrassing disfigurement.

3. Commanding Officers and Divisional Officers having, as they do, a responsibility to the parents of young members of the Service are to take positive steps wherever possible to discourage the practice of tattooing.

(327/51/58)

UNCLASSIFIED

151/74—Travel by Dependants to ANZUK Area—Group Travel Facilities

1. Qantas Airways Limited have agreed that members of the RAN Wives Association are eligible to travel to Singapore and Hong Kong at the reduced fares applicable to Affinity Group Travel. An 'Affinity Group' is one defined by Qantas as being comprised of members of the same association which has principal purposes, aims and objectives other than travel, and which has sufficient affinity prior to travel, to set it apart from the general public.

2. The following are the main conditions applicable to group travel:

- a. A group comprises fifteen or more members. Dependent children may also travel in the group made up of fifteen or more adult fares—children between the ages of two and not older than twelve years being half fare and two of these children being counted as one adult. Infants under two years of age travel on ten per cent of the return fare, but they are not included as a number in the group.
- b. Members of the group are entitled to a thirty per cent reduction off normal commercial fares. Based on air fares from 15 March 1974, the cost per adult would be:

	<i>Normal Return Economy Fare</i>	<i>30% Reduction</i>	<i>Group Fare</i>
	\$	\$	\$
Sydney/Singapore	579.20	173.76	405.44
Sydney/Hong Kong	793.80	238.14	555.66

- c. All payments to Qantas and travel arrangements must be finalised before departure.
- d. Each member of the group is required to have been a member of the RAN Wives Association for at least six months immediately prior to travel.

3. It will be necessary for the Honorary Secretary of the RAN Wives Association concerned to lodge the Application for Group Travel with Qantas Airways Limited. Wives of personnel who are interested in the above method of travel should be advised to apply to their Honorary Secretary for further details.

(187/1/225)

Section 3**OPERATIONAL AND TRAINING**

UNCLASSIFIED

152/74—SAILSTRUC 70—Dental Category

1. The Naval Board have approved the following recommendations made in the SAILSTRUC Report regarding the Dental Categories with effect from 1 January 1974.

Categories of Dental Sailors

2. There are two categories, viz, Dental and Dental Mechanic. The Dental Hygienist qualification is a specialisation of the Dental Category.

Titles of Dental Sailors

3. Titles for Dental Sailors effective from 1 January 1974 are:

a. Dental Category

<i>Title</i>	<i>Abbreviation</i>
Seaman Dental	SMNDEN
Able Seaman Dental	ABDEN
Leading Seaman Dental	LSDEN
Petty Officer Dental	PODEN
Chief Petty Officer Dental	CPODEN
Warrant Officer Dental	WODEN

Hygienist Specialisation

The suffix Hygienist (abbreviation 'H') will be used by personnel who have attained this qualification.

b. Dental Mechanic Category

<i>Title</i>	<i>Abbreviation</i>
Able Seaman Dental Mechanic ..	ABDENM
Leading Seaman Dental Mechanic	LSDENM
Petty Officer Dental Mechanic ..	PODENM
Chief Petty Officer Dental Mechanic	CPODENM
Warrant Officer Dental Mechanic	WODENM

Initial Entry of Sailors

4. All Dental Sailors are allocated initially to the Dental Category and will undergo the Dental Course No 918730. Those entered after 1 January 1974 will be termed SAILSTRUC sailors and will be allocated the SAILSTRUC personal number prefix 'S'. Similarly RATSTRUC sailors transferred from the Dental Category to the Dental Mechanic Category will be termed SAILSTRUC sailors and allocated the 'S' prefix on successful completion of the Dental Mechanic conversion course No 918810.

Posting on Completion of Initial Category Course

5. On completion of the Dental course and subject to manning requirements all sailors will be posted to either HMAS CERBERUS or HMAS KUTTABUL for a period of twelve months to consolidate their training and to assess suitability for specialist training.

Transfer to the Dental Mechanic Category

6. As from 1 January 1974 transfer to Dental Mechanic will be in the Able Rank and promotion will be on a competitive basis subject to vacancies. The conversion course No 918810 has been renamed the Conversion Course for Able Seamen Dental Mechanic.

7. Selection of sailors to undergo the course for conversion to Able Seaman Dental Mechanic will normally occur at the end of the twelve month period referred to in Paragraph 5 but will be subject to vacancies being available for Dental Mechanics.

8. RATSTRUC Able Seaman Dental sailors will continue to retain eligibility for selection for the Dental Mechanic Course until promotion to Leading Seaman Dental. SAILSTRUC sailors will only be considered for Dental Mechanic specialisation whilst holding the ranks of Able Seaman or Seaman.

9. As an interim measure which will lapse on 31 August 1978, existing RATSTRUC Leading Seaman Dental will be given the opportunity to undertake the Dental Mechanic conversion course subject to the following conditions:

- a. Transfer will be effected on successful completion of the Dental Mechanic conversion course and will normally be to the rank of Able Seaman Dental Mechanic. This rank reduction will be compensated for by an increase in pay levels.
- b. Ex-Leading Dental Sailors will be placed on the current promotion list for Leading Seaman Dental Mechanic, assuming a position on the list appropriate to their composite scores.
- c. They will be permitted to accrue seniority points for promotion to Leading Seaman Dental Mechanic from the date they were promoted to Leading Seaman Dental.
- d. Promotion to Leading Seaman Dental Mechanic will be authorised from the promotion list as vacancies occur.
- e. RATSTRUC Ex Leading Seaman Dental Sailors transferring to Dental Mechanic will transfer to the SAILSTRUC Training and Promotion system on promotion to Leading Seaman Dental Mechanic.

Selection to Undertake the Dental Hygienist Course

10. Selection for the Dental Hygienist Course and specialisation will be on the basis of known or expected vacancies and will be made from:

- a. Leading Seaman Dental; or
- b. Able Seaman Dental qualified for promotion to Leading Seaman Dental.

11. Sailors not selected to undertake a Dental Hygienist Course remain eligible for promotion to higher ranks.

Civil Recognition of Dental Mechanics and Hygienists

12. This matter is presently being investigated but no early solution is anticipated.

Abolition of Advanced Category Course

13. The Advanced Category Course, formerly the promotion course for Petty Officer Dental is abolished. Leading Seaman Dental will qualify professionally for promotion to Petty Officer Dental by passing the Command Test Part 3 for Petty Officer Dental.

Category Badges

14. a. A new category badge for the Dental Branch has been approved.
- b. The new badge will have the Caduceus Wand and Serpent with the letter 'D' superimposed on the motif. This badge will be awarded on categorisation.
- c. Dental personnel who qualify as Hygienist or Mechanic will wear a star below the category badge whilst all Petty Officers and above will wear a crown above the Branch category badge.
- d. Sailors, who have not elected for discharge, with one year or more to serve when the new badges become available, will receive gratuitous issue of the new badge on the normal scale.
- e. Sailors with less than one year to serve will be issued new badges gratuitously on re-engagement. Otherwise existing badges will be worn or may be replaced by new badges at member's own expense.

- f. Personnel who have elected for discharge when the new badge becomes available will be issued new badges gratuitously on reaching their election providing one (1) year or more service remains. Otherwise existing badges will be worn or may be replaced by new badges at members own expense.
- g. Availability of badges will be notified in due course.

Complement Review

15. A complement and rank structure review based on management and organisational requirements has been completed. The new complements will be promulgated in due course.

16. The complement review incorporates a WRAN Dental Category, however it is not anticipated that WRANS will be entered in this new WRAN Category prior to mid-1975.

(302/1/129)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

153/74—Cathodic Protection—Protection of Reference Cells and Anodes

1. Numerous reports have been received from HMA ships that reference cells and anodes of the cathodic protection system have been damaged or painted whilst in dry dock, and that anode cofferdams have been found to be non-watertight.

2. To prevent such occurrences, at each dry docking, all fixed reference cells and anodes are to be covered by means of push on caps or by an impervious material. Particular care is to be taken to ensure that such covers are removed before flooding of the dock.

3. In accordance with the current Planned Maintenance Schedules, hull anode cofferdams are to be opened for inspection to ensure that a watertight seal is being maintained.

(1211/52/100)

RESTRICTED

154/74—Disposal of Planned Maintenance Documents

Ships and establishments in which the RAN System of Planned Maintenance (1972) is in full operation, may destroy all previous Planned Maintenance System documentation, after the transfer of appropriate technical records to the new system.

(400/1/3189)

UNCLASSIFIED

155/74—Introduction of 7510-66-066-2791 Pressure Tape Sensitive Adhesive 16 mm

1. The following item has been introduced into service and has been added to the authorised list of consumable stores:

Class	Catalogue No	Description	UI	Accl
7510	66-066-2791	TAPE, PRESSURE SENSITIVE, ADHESIVE 16 mm (Packets of 20 strips)	PZ	C

2. Provision of this transparent pressure tape will enable films with torn sprocket holes to be repaired without the need to cut out the affected section and resplice by simply aligning the transparent pressure tape punched holes with the film sprocket holes. This method avoids the disjointed effect which results from cutting.

3. HMA ships and establishments allowed 16 mm Projectors are to raise demands on Superintending Victualling Store Officer, Sydney (0086), or arrange local purchase from petty cash as necessary, in accordance with ABR 4 Article 2806.

(1/6730/49)

RESTRICTED

156/74—Pipes—Main and Auxiliary Steam Systems Screwed Flange Defects

1. In view of known deterioration which has occurred in the threads of 'screwed on' flanges fitted in main and auxiliary steam systems, and of the consequence of a major defect, ships so fitted are to continue with the programme of air testing of these pipes until flange face seal weldings and strength weld reinforcing is completed on all flanges.

2. In view of the continued service which will be required of ships so fitted the following regulations are to be observed:

- a. Pipe flanges which have been strength welded are to be seal welded on the flange face. The priority should, however, be considered in conjunction with the overall maintenance needs of the main and auxiliary pipe work systems.
- b. The remaining screwed pipe flanges on the main and auxiliary steam systems are to be strength welded and seal welded on an accelerated maintenance programme.
- c. The pipe work maintenance is to be progressively carried out by defect action at each availability between main refits as well as during refits.
- d. Each screwed flange 2 inch ips and over is to be air tested at not less than two-yearly intervals until strength welded. Pipes which have been strength welded are then to be subjected to non-destructive testing for wastage in accordance with planned maintenance schedules.

3. The priority for welding is as follows:

- a. Flanges with known leaks in service are to be strength welded and face seal welded where evidence is available of serious thread corrosion.
- b. Flanges with leaks detected by air testing carried out on discrete sections of the pipework in turn are to be strength welded and face seal welded as for a. above.
- c. Flanges which are not leaking under air test are to be strength welded.
- d. Seal welds not covered in a. or b.

4. Because of the serious nature of a major flange failure in either the main or auxiliary steam systems, and until the risk of a failure due to internal corrosion of the threads is removed by the above measures, the need for continued vigilance of these systems is stressed.

(1211/51/966)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

157/74—ABR 5074A—Microfiche Version of Defence Catalogue System Handbooks Detailing Manufacturers Code to Names

1. The publications referred to in Paragraph 24 of ABR 5074A, viz:

Publication Number	Title
H4-2	Federal Supply Code for Manufacturers United States and Canada—Code to Name.
H4-3	Federal Supply Code for Manufacturers (excluding United States and Canada).
66-H4-2	Defence Cataloguing Code for Manufacturers—Code to Name.

are being transferred progressively to microfiche. As each publication is converted, distribution will be made to all holders of the microfiche version of ABR 5074 catalogues.

2. On receipt of microfiche versions of the H4 series publications the equivalent hard copy versions are to be disposed of in accordance with current procedure.

(465/52/1957)

UNCLASSIFIED

158/74—Publications—Allowances and Amendment Status—EDP System NAVPUB

1. One of the functions of the NAVPUB System is to keep HMA ships, establishments and other authorities informed by reports issued from the EDP Centre, Navy Office, of the allowances and quantities issued of publications for each addressee, the amendment status of the publications and details of amendments and books issued during the period covered by the report.

2. The basic aim of the system is to increase efficiency in the use of publications by providing regular and detailed issue and status reports by means of which holders may determine that all allowed books and applicable amendments have in fact been received.

3. An EDP report is issued in duplicate (*see* Paragraph 7 regarding use of second copy) to all holders of publications at two monthly intervals. This report details only those changes made to previous reports, eg, new publications issued, publications deleted and amendments issued during the two month period under review.

4. The information which will be contained in the report is as follows:

Heading:

Addressee Code	.. ..	The unit identification code and name, eg, 1007 HMAS MELBOURNE.
Date	.. ..	The date the report is printed by the EDP Centre.
Last SG1 Number	.. ..	The serial number of the latest Form SG1 (Advice note for magazines, pamphlets, amendments to publications, etc) issued to the addressee. The serial number will be reset to 0 on 1 January each year.

Publication Information and Status:

Publication Number	The publication identification in the form of official number and title. The symbol '*' will appear to the left of the publication number, if a new publication has been introduced, an amendment has been issued, or there has been a change to any information since the last report. The letter 'D' will appear to the left of the publication number if the publication has been deleted from the units allowance. This publication will not appear on the next report. Disposal of deleted publications is to be arranged in accordance with ABR 4 Article 2514.
Account	'ACC' indicates that the publication is accountable (ABR 4 Article 2509 refers). 'N' signifies that the publication is non-accountable.
Date	Effective date of publication.
Quantity Allowed	Allowance of the publication to the addressee.
Quantity Held	If the quantity shown as held is less than the allowance, it may be assumed that the publication is not yet available for issue. Issues to complete to the authorised allowance will be made without demand. If the actual quantity held varies from that shown, details are to be reported to EO/PUBS/GI immediately.
Change	The latest amendment number issued by the originator of the publication will be shown under this heading to indicate the amendment status of the publication. If there have been no amendments, this area will contain the word 'NIL'.
Other	The latest amendment number issued by an authority, other than the originator of the publication, eg, when the RAN issues an amendment to a USN publication. Interim Change or Supplement Number will be shown under this heading to indicate the amendment status of the publication. If there have been no amendments, this area will contain the word 'NIL'.
A	A list of amendments to the publication issued since the last report will appear after this symbol. A maximum of ten amendments will be printed on the report. Any in excess of ten will be printed on an addendum which will accompany the report. Amendment type codes, 'C' = change and 'O' = other, will precede the amendment number.

5. If there has been no change to publication allowance and no amendments issued to the publications since the last report, the previous report will then remain current. Notification to this effect will be by means of a NAVPUB report with the legend:

**'NO CHANGE TO PUBLICATION INFORMATION SINCE LAST REPORT,
WHICH IS STILL CURRENT'**

printed under the heading information.

6. Reports will be forwarded to addressees on the last day of every second month. 7510-66-L56375, Binders, are suitable for filing the reports, and should be demanded from the Superintending Victualling Store Officer (SVSO), Sydney, as required.

7. To enable stock records and service holdings of publications to be reconciled, two copies of the report will be forwarded. When the report is received the information it contains is to be verified (*see* Paragraphs 9 and 10) and the second copy of the report is to be forwarded to the Executive Officer, Navy Publications Authority, Garden Island. Addressees will be required to notify EO/PUBS/GI of publications held but not recorded in reports received from the EDP Centre.

8. The number of amendments issued to a holder in respect of any publication will be as shown in the 'Quantity Held' column. It is, therefore, necessary to declare additional copies of publications acquired in excess of those shown in the 'Quantity Held' column to ensure that sufficient copies of amendments are received to correct all publications held. However, issue of amendments for quantities held in excess of allowances will be arranged only if approval is given to the addition of such excess quantities to the authorised allowances.

9. Every effort should be made to complete the verification of either the change report or the full list of publications within three (3) weeks of the date of receipt. This will enable any amendments necessary to be made to the records prior to production of the next report.

10. To obviate incorrect interpretation the verification should show the following:

- Is the publication held? *Insert* 'Yes' or 'No' below the publication number.
- If the publication is held, does the effective date of the publication agree with that indicated on the printout? If not, indicate the date of the publication held.
- Is the quantity listed as held correct? If correct tick the quantity shown, if not, indicate quantity actually held.
- If a publication shown as held is not held and is not required, this should be noted. The publication will then be deleted from the subsequent report.

So far as the consolidated report (full list) is concerned a detailed listing should be forwarded to EO/PUBS of all publications held for which updating is required, but which are not listed on the report. The list should indicate the following:

Publication Number (Volume, Part, etc, if applicable)
 Publication Title
 Publication Date
 Quantity Held
 Latest Amendment Number and Date
 Federal Stock Number (USN publications only).

Issue of updating for these publications together with deficient updating for other publications as noted in the listing returned to EO/PUBS, will be supplied without demand.

11. Updating required to complete publications to the standard shown in the latest change report should be demanded direct from EO/PUBS/GI, or Distributing Authority (Melbourne), as appropriate.

12. The original copy of the report for holders of Air Publications is to be noted with the following certificate:

AMENDMENTS TO THE TECHNICAL AIR PUBLICATIONS SHOWN ABOVE HAVE BEEN RECEIVED AND INCORPORATED, EXCEPT THOSE LISTED BELOW FOR REASONS STATED.

.....
Signature of Responsible Officer

13. If any publication holder requires a full list of publications held for special validation purposes outside of the normal bi-monthly production run, the request should be submitted to the Executive Officer, Publications Authority, Garden Island, NSW 2000. It must be stressed that the full list facility is for special circumstances only such as SOAP assistance at refit or major library changes and cannot be supplied on a regular basis.

14. Navy Order 409/72 is hereby cancelled.

(Navy Order 409/72)

(465/61/228)

AMENDMENTS

RESTRICTED

159/74—RAN Patrol Boats (PTFs)—Operation and Upkeep of Main Engines

In order that the discretionary powers of Commanding Officers of patrol boats is maintained the following amendment is to be made to Navy Order 14/74:

Paragraph 4, delete the following:

- 'The only permitted exceptions from single engine operation are:
 - a. when entering or leaving harbour or manoeuvring in confined waters;
 - b. operational requirements for fast passage; or
 - c. emergency operation.'

and substitute:

- 'The normal exceptions from single engine operations are:
 - a. when entering or leaving harbour or manoeuvring in confined waters;
 - b. operational requirements for fast passage;
 - c. as required when manoeuvring and operating in company with other ships; or
 - d. emergency operation.'

(Navy Order 14/74)

(1234/51/372)

Handwritten signature and date: 22/6/74

RESTRICTED

ANOs 160/74-174/74



AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
13 May 1974.

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

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

CONTENTS

No Title

SECTION 1—ADMINISTRATIVE AND GENERAL

- 160/74 Delegations of Authority to Arrange Purchases Without Prior Reference to Contract or District Contract Boards (Supply and Development Regulation 35 (1)).
- 161/74 Navy List.
- 162/74 Photographs, Plans, Etc, Reproduced for Repayment Services.

SECTION 2—PERSONNEL

- 163/74 Difficult Post Allowance.
- 164/74 Payment of Oversea Allowances During Leave to Members Serving Overseas on Long Term Duty.
- 165/74 Wrens' Rank, Long Service and Category Badges and Flashes.

SECTION 3—OPERATIONAL AND TRAINING

- 166/74 NBCD—States of Readiness and Conditions.

SECTION 4—EQUIPMENT, STORES AND SERVICING

- 167/74 Communications—AJE UHF Aerial Systems—Test to be Carried Out on Installation.
- 168/74 Electrical Stores—Introduction and Allowances of 5820-66-042-8255 Interconnecting Box.

AMENDMENTS

- 169/74 Dental Expenses of Dependants Accompanying Members on Long Term Duty Overseas.
- 170/74 Introduction of Safety Spectacles for Wear by Visicorder Operators.
- 171/74 Travelling Allowance—Members on Long and Intermediate Term Duty Overseas.
- 172/74 Travelling Allowance—Members on Short Term Duty Overseas.
- 173/74 Sonar Type 189 Series—Cavitation Indicator—Introduction.
- 174/74 Uniform—Introduction of Polyester/Viscose Long Sleeved Shirts to Replace Poplin Cricket Shirts.

Experimental Models and Special Measurements	100
Commanding Officer, HMAS ALBATROSS	50
Commanding Officer, HMAS CRESSWELL	50
Commanding Officer, HMAS HARMAN	50

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 4720.

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

160/74—Delegations of Authority to Arrange Purchases Without Prior Reference to Contract or District Contract Boards (Supply and Development Regulation 35 (1))

1. The Contract Board, the statutory authority for arranging contracts for supplies for the Department of Defence, subject to the approval of the Minister for Supply, may delegate authority to nominated officers to arrange contracts without prior reference to the Contract Board.
2. These delegations are currently under review. However, persons for the time being occupying the positions set out in this order are currently granted such authority in respect of the specific functions of the position for which the delegation has been granted and up to the monetary limit specified.

Central Administration

Part I—Central Administration

Delegate	Monetary Limit in any one case \$
Special Deputy (Navy Office)†	Unspecified
Director-General of Dockyards and Maintenance†	20,000
Superintendent of Aircraft Maintenance and Repair	400
Director of Naval Education Services	100
Directors in Supply Division	1,000
Navy Store Officer, Victualling (one position)	400
Assistant Navy Store Officer, Victualling (one position)	200
Chief Executive Officer (General Services)	1,000
Controller of Publications	400
Clerk Class 8, General Services Branch (Position No 23)*	400
Clerk Class 6, General Services Branch (Positions Nos 26 and 27)*	200

† Exercisable only for emergency repair and refit of HMA ships where work is urgently required and time factor and/or location of the ship in Australia or New Guinea makes use of Contract Board facilities impracticable.

* Located in Sydney.

Part II—Administrative Authorities

Delegate	Monetary Limit in any one case \$
East Australia Area	
Superintendent Missile and Torpedo Maintenance	100
Commanding Officer, HMAS ALBATROSS	50
Commanding Officer, HMAS CRESWELL	50
Commanding Officer, HMAS HARMAN	50

CONTENTS

No	Title
SECTION 1—ADMINISTRATIVE AND GENERAL	
160/74	Delegation of Authority to Arrange Purchases Without Prior Reference to Contract or District Contract Boards (Supply and Development Regulation 35 (1))
161/74	Navy List
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163/74	Official Post Allowance
164/74	Payment of Overseas Allowance During Leave to Members Serving Overseas on Long Term Duty
165/74	Warrant Rank, Long Service and Category Badges and Frames
SECTION 3—OPERATIONAL AND TRAINING	
166/74	INBCD—State of Readiness and Condition
SECTION 4—EQUIPMENT STORES AND SERVICING	
167/74	Communications—ALE LERP Aerial Systems—To be Curbed Out or Interchange
168/74	Electrical Stores—Introduction and Allowance of 3830-68-043-8333 Interconnecting Box
AMENDMENTS	
169/74	Dental Expenses of Dependents Accompanying Members on Long Term Duty Overseas
170/74	Introduction of Safety Spectacles for Wear by Visiting Officers
171/74	Travelling Allowance—Members on Long and Intermediate Term Duty Overseas
172/74	Travelling Allowance—Members on Short Term Duty Overseas
173/74	Small Type 185 Series—Cavalry Introduction—Introduction
174/74	Uniform—Introduction of Polyester/Woolen Long Sleeve Shirts to Replace Poplin Check Shirts

Part II—Administrative Authorities—continued

Monetary Limit
in any one case
\$

Delegate

Supply Division

Chief Superintendent of Supply	1,000
Superintending Stores Officers (six positions)*	400
Navy Store Officers (eight positions)*	400
Deputy Navy Store Officers (eleven positions)*	300
Assistant Navy Store Officers (twenty-eight positions)*	150
Section Leaders (fifty positions)*	50

*Excluding positions in Supply Administration Branch.

Garden Island Dockyard

General Manager	400
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North Australia

Naval Officer Commanding	400
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West Australia Area

Naval Officer Commanding	200
Victualling Liaison Officer, Fremantle	100
Officer-in-Charge Naval Stores, Fremantle	100
Deputy Navy Store Officer, Byford	50

Queensland

Naval Officer Commanding	200
Senior Naval Officer, Cairns	50

South Australia

Naval Officer-in-Charge	200
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Tasmania

Naval Officer-in-Charge	200
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Victoria

Naval Officer-in-Charge	200
Commanding Officer, HMAS CERBERUS	200
Navy Store Officer, Maribyrnong	50
Deputy Navy Store Officer, Victualling Depot	50

Williamstown Dockyard

General Manager	400
Navy Store Officer	400
Assistant Navy Store Officer (two positions)	150
Section Leader	50

3. Instructions to Delegates of the Contract Board regarding arrangements for purchase of supplies and the performance of services are contained in the Department of Supply Local Purchase Handbook. Unless otherwise approved, these instructions are to be strictly observed.

4. The attention of delegates is also drawn to the provisions of Treasury Regulation 51 as amplified by Section 31 of Treasury Directions, regarding quotations to be obtained and other conditions to be observed.

5. Treasury Regulation 53 (Treasury Direction 31/33) requires a summary of the provisions of a contract for supplies, the cost of which exceeds \$400, to be published in the Gazette as soon as practicable after the contract is made. The Department of Supply will undertake gazettal of local purchase order details on behalf of the Navy delegates who hold authorities of \$1,000. The arrangement provides that:

- monthly returns submitted by delegates concerned are to be lodged by the 15th of the following month; and
- orders over \$400 in value are included on a separate sheet or sheets and are shown in triplicate.

(201/1/180)

UNCLASSIFIED

161/74—Navy List

The first edition of the Navy List for 1974 will not be available for distribution until the end of June.

(469/1/98)

UNCLASSIFIED

162/74—Photographs, Plans, Etc, Reproduced for Repayment Services

1. Charges to be levied for photographic reproduction and plan printing work for repayment services have been revised, and are set out in Annex A to this order.

2. The general conditions relating to sale of stores as promulgated in Article 21 of Navy Accounts Manual (ABR 5018) are applicable to any issues of photographic reproduction and plan printing work. Where regular requests for such issues are received, application should be made to Navy Office for an appointment by the Minister of the occupant of a specific position to approve such sales. Applications are to set out the terms and conditions to apply to approvals for sales and are also to include full details as to the nature of the issues and normal source of supply.

3. No charge is to be made for photographic or plan printing work carried out on behalf of the other Services and subject to Ministerial approval the following photographs may also be supplied free of charge:

- photographs of graves of deceased naval personnel; and
- photographs supplied to publishers for illustrations in certain books, newspapers and magazines. The normal charge, however, for publication rights is \$6.30 per photograph.

4. Subject to Naval Board approval, photographs of HMA ships may be issued without charge where such issues can be justified on recruiting and public relations grounds. In such cases, care is to be taken that costs and size of prints are reasonable.

5. The above charges will be incorporated in ABR 5018 in due course.

ANNEX A

Photographs, Plans, Etc, Reproduced for Repayment Services

Item	Cost Price	Cwth Depts (except Supply) 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"	1.00	1.15	1.20	1.25
10" x 8"	1.02	1.17	1.22	1.28
15" x 12"	1.14	1.31	1.37	1.43
20" x 16"	1.25	1.44	1.50	1.56
(2) Enlargements (Kodagraph Projection Prints)—				
8 $\frac{1}{2}$ " x 13 $\frac{1}{4}$ "	1.16	1.33	1.39	1.45
16" x 20"	1.19	1.37	1.43	1.49
20" x 30"	1.38	1.59	1.66	1.73
30" x 40"	1.70	1.96	2.04	2.12
(3) Photostats (Negative or Positive)—				
18" x 24" (full sheet)	0.46	0.53	0.55	0.58
18" x 12" (half sheet)	0.35	0.40	0.42	0.44
(4) Film—				
Half plate negative (4 $\frac{1}{2}$ " x 6 $\frac{1}{2}$ ")	1.20	1.38	1.44	1.50
Full plate negative (6" x 8")	1.30	1.50	1.56	1.62
(5) Plan Printing—				
(i) 30" Dyeline—				
Light Weight	0.17 p ft	0.20 p ft	0.20 p ft	0.21 p ft
Medium Weight	0.18 p ft	0.21 p ft	0.22 p ft	0.23 p ft
Heavy Weight	0.20 p ft	0.23 p ft	0.24 p ft	0.25 p ft
(ii) 40" Dyeline				
Medium Weight	0.20 p ft	0.23 p ft	0.24 p ft	0.25 p ft
Heavy Weight	0.22 p ft	0.25 p ft	0.26 p ft	0.28 p ft
(iii) Dyeline Linen (Opaque)—				
30"	0.44 p ft	0.51 p ft	0.53 p ft	0.55 p ft
40"	0.55 p ft	0.63 p ft	0.66 p ft	0.69 p ft
(iv) Dyeline Linen (Trans.)—				
30"	0.47 p ft	0.54 p ft	0.56 p ft	0.59 p ft
40"	0.58 p ft	0.67 p ft	0.70 p ft	0.73 p ft
(v) Dyeline Plastic Film—				
30"	0.52 p ft	0.60 p ft	0.62 p ft	0.65 p ft
40"	0.64 p ft	0.74 p ft	0.77 p ft	0.80 p ft
(vi) Auto Positive Contact—				
30"	0.59 p ft	0.68 p ft	0.71 p ft	0.74 p ft
40"	0.67 p ft	0.77 p ft	0.80 p ft	0.84 p ft

(201/58/15)

Section 2

PERSONNEL

UNCLASSIFIED

163/74—Difficult Post Allowance

1. A Difficult Post Allowance payable to members of the Royal Australian Navy when on overseas postings has been introduced. Approval is given for the provisions set out in the following paragraphs to be applied with effect from 29 November 1973, except for PNG for which payment may be effected from 1 December 1973.

2. The allowance for designated posts is payable at two levels, \$1,000 and \$700 per annum. The allowance 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. The designated posts are:

Group A—\$1,000 pa

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

Group B—\$700 pa

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

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

4. The conditions of payment are:

- a. the allowance is payable for both long and short term missions 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;
- 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, difficult 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 difficult 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 difficult 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 Sub-paragraph g. and those described in Sub-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

164/74—Payment of Oversea Allowances During Leave to Members Serving Overseas on Long Term Duty

1. The conditions relating to the payment of oversea allowances during periods of recreation leave exceeding seventy-two hours have been reviewed. For ease of reference all provisions have been consolidated in this Navy Order and may be applied with effect from 4 April 1974, unless otherwise stated.

Leave During Posting with effect from 28 November 1973

2. a. When a member on long term posting overseas takes recreation leave with pay during the posting either within or outside the country of posting, provided that he resumes duty in the country of posting after such leave, normal living allowances (and child and rent allowance if applicable) specified for the member in the country of posting are payable for the period of leave.

- b. Living in members who proceed on leave during posting are to continue being paid Living In Allowance and are not required to pay rations and quarters charges for the period of leave.

Leave on Completion of Posting with effect from 28 November 1973

3. When a member takes recreation leave after completing a posting and prior to leaving the country of posting, payment of Overseas Living Out Allowance (and Supplementary Living and Child Allowance if applicable) will be paid either until the date of departure from the country of posting or until the expiration of a period equal for the leave credited for service at that post for twelve months, whichever is the earlier. Overseas Living In Allowance is not paid concurrently with Overseas Living Out Allowance.

4. a. When a member takes recreation leave immediately after completing a long term posting in a country other than the country of posting, payment of Overseas Living Out Allowance (and Supplementary Living and Child Allowances if applicable) will be paid at the rate specified for the member at the original post for the period of 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. Overseas Living In Allowance is not paid concurrently with Overseas Living Out Allowance.
- b. It should be noted that payment may be paid during recreation leave taken in any country than the country of posting and this includes Australia.

5. Where there is a combination of the circumstances described in Paragraph 3 with those described in Paragraph 4 above, the maximum period of payment of the allowances described therein is limited overall to a period equal to the amount of leave that would be credited for service at the original post for twelve months.

6. For the purposes of Paragraphs 3, 4 and 5 above, leave is defined as normal annual leave, including remote locality leave when applicable, accrued at the overseas post. Pending completion of the current leave review, members may continue to apply these conditions to foreign service leave for a maximum period of twenty-eight days.

Rental

7. Where a member was in receipt of an Overseas Living In Allowance at the post, the Overseas Living Out Allowance payable under Paragraphs 3 and/or 4 should be reduced by an amount equal to the unmarried rate of rental deductions laid down in the Scale of Rental Contributions.

8. Where a living out member is absent from his post on leave or duty, and the Government retains residential accommodation at the post for the member or the member continues to receive a rent allowance, rental deductions, in accordance with the Scale of Rental Contributions, will continue to be payable by the member.

9. Where a living out member is absent from his post on leave or duty and the Government does not retain residential accommodation at the post for the member or the member does not continue to receive rent allowance, Overseas Living Out Allowance payable to that member will be reduced by the appropriate amount from the Scale of Rental Contributions. The member will not be required to make a rental contribution in the terms of the Scale of Rental Contributions. Notwithstanding the foregoing, the reduction based on the Scale of Rental Contributions shall not exceed the amount of Overseas Living Out Allowance (plus Supplementary Living Allowance if applicable) payable to the member.

Short and Intermediate Term Duty

10. Allowances relating to duty overseas are not payable in the event of a member on short term duty overseas being granted recreation leave.

11. The provisions of Paragraphs 2 to 9 may be applied to members on intermediate term duty overseas except that the maximum leave entitlement, on completion of posting, which may attract oversea allowances is to be calculated on a pro-rata basis having regard to the period the member has spent on duty overseas.

Fares

12. The Government commitment for fares is not to exceed that which would normally be incurred had the member (and his family where they are entitled to fares at Government expense) returned by the appropriate means of travel and the most direct route to Australia.

(252/4/123)

UNCLASSIFIED**165/74—Wrans' Rank, Long Service and Category Badges and Flashes**

1. The Naval Board have approved the replacement of embroidered blue on blue rank, category and Long Service badges and Australia flashes for wear with Wrans' Winter Working Dress (No 3s and No 8s) with embroidered red on blue (sailors') badges and flashes, as follows:

- a. red on blue badges and flashes will be issued as current stocks of blue on blue badges and flashes are exhausted;
- b. a changeover period of two years will be allowed, at the end of which time, Wrans not already issued with red badges and flashes will be given gratuitous issues of these badges and flashes;
- c. on the first occasion it is necessary for a Wran to receive a gratuitous issue of a red badge, she is also to be issued with all other related red badges to which she is entitled.

(917/100/186)

Section 3**OPERATIONAL AND TRAINING****RESTRICTED****166/74—NBCD—States of Readiness and Conditions**

(Not applicable to RAN DDGs)

1. The NBCD States of Readiness and Conditions as revised by Navy Order 354/73 have been incorporated in general terms in BR 2170 Ship NBCD Manual Volume 1 by Change 4.

2. Navy Order 354/73 abolished Condition BRAVO—ALL OPENINGS PREVIOUSLY MARKED BRAVO ARE TO BE PROGRESSIVELY REMARKED ALPHA.

3. Navy Order 354/73 further gave the Command discretion to allow relaxations to Condition ALPHA when the operational situation permitted. It is the purpose of this Navy Order to clarify these relaxations.

Relaxations to Condition ALPHA

4. To improve habitability when Condition ALPHA is in force for lengthy periods, certain specific ALPHA openings may be opened at the discretion of the Command, when the ship is in either State 1 or State 2. The ALPHA openings to be relaxed must not form a set gastight condition but, if the operational situation permits should satisfy only the immediate requirement, eg, main galley ventilation to allow the preparation of a cooked meal or the heads ventilation as and when possible. The openings which may be relaxed will vary depending on the ship, the tactical situation and/or the climatic conditions.

5. When it is considered that the threat allows certain relaxations to be made to Condition ALPHA, the Command should inform HQI to relax openings and give a minimum warning time in which the ship must be capable of assuming the full ALPHA Condition, eg, 'HQI this is Command. Relax Condition ALPHA, warning time 5 minutes'.

6. HQI may then order the required openings to be opened specifying each opening by name and/or Location Marking to the appropriate NBCD Section. This routine must be followed on each occasion of allowing relaxations. The openings selected must be capable of being shut within the warning time, if necessary by placing a sentry at each opening.

7. It is most important, for those ships with pressurised citadels, that the citadel pressures remain positive when any ALPHA opening is opened. Ships officers should take every opportunity to check citadel pressures with various combinations of ALPHA openings open, supply and exhaust fans running, etc, and record the results. It may be found possible to achieve the degree of habitability required and to maintain a positive citadel pressure with, for example, supply fans running, exhaust fans stopped but exhaust flaps open.

8. Copies of this order and Navy Order 354/73 are to be inserted in BR 2170 Chapter 20 for reference.

(1600/3/166)

(Navy Order 354/73)

Section 4**EQUIPMENT, STORES AND SERVICING****RESTRICTED****167/74—Communications—AJE UHF Aerial Systems—Test to be Carried Out on Installation**

(DCI (RN) T557/73)

1. In order to prove that a UHF aerial system is satisfactory at installation the following tests should be made and records provided:

- a. Standing wave ratio test of the system using CT217 'Standing Wave Ratio Indicator' (Marconi TF 1049). The standing wave ratio measured at 280 MHz is to be less than 1.5 (BR 1610, Section 4, Chapter 1, Paragraph 14);
- b. A measurement of the overall continuity resistance of the aerial, the aerial tail and its feeder. When the aerial elements are shorted with a jumper lead the continuity resistance measured from the office should not exceed 0.5 ohms. The tally called for in B1032/R1 (Paragraph 13) should carry this continuity resistance reading in lieu of the nominal characteristic impedance;

- c. An insulation reading of the feeder. This should not be less than 50 Mohms;
- d. An insulation reading of the aerial and tail. This reading should be obtained prior to erection, and should not be less than 10 Mohms;
- e. An overall insulation reading taken from the office. On a dry day this should be in excess of 10 Mohms; on no day must the reading be less than 2 Mohms.

2. These measurements are to be taken by the installation authority and presented to the inspecting officer at Radio Installation Inspection.

3. These figures are to be presented to the ship for inclusion in the master record and checked at Harbour Acceptance Trials by the inspecting officer.

4. The relevant UK specifications and handbooks will be amended in due course to conform with this Navy Order and its source DCI.

(400/1/3802)

UNCLASSIFIED

168/74—Electrical Stores—Introduction and Allowances of 5820-66-042-8255—Interconnecting Box

1. Arrangements have been made to issue an allowance of 5820-66-042-8255 Interconnecting Box (microphone relay units) to the following HMA ships and establishments in the quantities indicated:

Ship/Establishment	Allowance
HMAS MELBOURNE	8
HMAS VAMPIRE	8
HMAS VENDETTA	8
HMAS STALWART	6
HMAS SUPPLY	4
HMAS DUCHESS	4
HMAS PARRAMATTA	4
HMAS DERWENT	4
HMAS STUART	4
HMAS YARRA	4
HMAS MORESBY	2
Oceanographic Ship	2 (if 696 fitted as interim fit)
HMAS FLINDERS	2
Patrol Boats	1 each
MSC/MHC	1 each
HMAS ALBATROSS	8
WANSF	7
HMAS HUON	1
HMAS LEEUWIN	4
HMAS LONSDALE	3
HMAS MORETON	2
HMAS MELVILLE	2
HMAS TARANGAU	4
HMAS CAIRNS	6
HMAS WATSON	6
HMAS WATERHEN	2
FMU	5

2. Provision has also been made for an allocation of this equipment to the following HMA dockyards:

GMGID	8
GMWD	6

3. The above interconnecting boxes are required for use with AN/URC-58, AN/URT-23 (V) and AN/URT-24 HF55B transmitters throughout the RAN.

4. Spare interconnecting boxes are not required to be carried by HMA ships, but have been included for shore establishments and dockyards.

5. HMA ships, establishments and other authorities are to raise demands for supply of the above item to complete to establishment on Superintending Electrical Store Officer, SYDNEY (0337), who will effect issue as stocks become available.

6. Navy Order 10/74 is hereby cancelled.

(1/5820/117)

(Navy Order 10/74)

UNCLASSIFIED

Code	Ship/Establishment	Quantity	Total Allowance		
			Quantity	Value	Weight
0113	2113	2113	11	11	11
2113	2113	2113	11	11	11
2113	2113	2113	11	11	11

Table B

Country	Effective Date of Variation	Currency of Payment	Rates of Payment per Day		
			LEUTs and Below	LCDR, CMDR and CAPT	CDRE and Above
Fiji	16.1.74	\$F	8.00	8.00	10.00
Finland	30.11.73	F Marks	50	50	60
France	5.12.73	Francs B	70	70	75
Ghana	17.12.73	New Cedis	13.00	13.00	14.50
Italy	10.1.74	Lire	7500	7500	9500
New Caledonia	16.1.74	CFP Francs	1300	1300	1500
New Zealand	16.1.74	\$NZ	9.00	9.00	10.50
Norway	30.11.73	Kroner	100	100	120
Portugal	10.1.74	Escudos	320	320	420

(252/4/177)

(Navy Orders 309/73 and 340/73)

UNCLASSIFIED

172/74—Travelling Allowance—Members on Short Term Duty Overseas

Various rates of Short Term Duty Travelling Allowance contained in Navy Order 213/72 as amended by Navy Orders 329/72, 426/72, 94/73, 221/73, 291/73, 310/73 and 341/73 have been revised. Amended rates and effective dates are as follows:

Table A

Delete those rates shown for France, Ghana, Finland, Norway, Israel, Portugal, Italy, New Zealand, Fiji, Nauru, Greece, Brazil and Mauritius and insert the revised rates shown hereunder in their stead.

Table B

Delete those rates shown for New Caledonia, Chile, China Peoples Republic of, and Caribbean Area 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		
			LEUTs and Below	LCDR, CMDR and CAPT	CDRE and Above
Brazil—					
Brasilia	5.2.74	\$A	25	25	29
Sao Paulo	5.2.74	\$A	24	24	28
Elsewhere	5.2.74	\$A	23	23	26
Fiji	16.1.74	\$F	23	23	29
Finland	30.11.73	F Marks	140	140	170
France	5.12.73	Francs	220	220	245
Ghana	17.12.73	New Cedis	42	42	44

(Navy Order 321/74)

AMENDMENTS

UNCLASSIFIED

189/74—Domestic Expenses of Dependents Accompanying Members on Long Term Duty Overseas
 Annex B to Navy Order 120/73 is to be amended as follows:
 Delete rates shown for United Kingdom and insert in their stead:
 United Kingdom 22.2.73—22.2.73
 Belgium 4.10.73—11.11.73
 Insert the following:
 Japan 21.10.73—22.8.73
 (Navy Order 330/73)

UNCLASSIFIED

170/74—Introduction of Safety Spectacles for Wear by Vesselboard Operators
 Navy Order 12/74 is to be amended as follows:
 Paragraph 3
 Insert: RANTAL...
 (Navy Order 12/74)

UNCLASSIFIED

171/74—Travelling Allowance—Members on Long and Intermediate Term Duty Overseas
 Various rates of Travelling Allowance applicable to members posted overseas for long and intermediate term duty contained in Navy Order 308/72 as amended by Navy Order 340/73 have been revised. Amended rates and effective dates are as follows:

Table A

Delete those rates shown for Greece, Israel and Mauritius and insert the revised rates shown hereunder in their stead.

Table B

Delete those rates shown for Fiji, Finland, France, Ghana, Italy, New Caledonia, New Zealand and Norway 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		
			LEUTs and Below	LCDR, CMDR and CAPT	CDRE and Above
Greece	16.1.74	Drachemas	210	210	210
Israel	7.1.74	IL	100	100	120
Mauritius	22.1.74	Rupia	115	115	140

17474

23

UNCLASSIFIED

17474—Uniform—Introduction of Polyester/Viscose Long Sleeved Shirts
to Replace Poplin Cricket Shirts

Navy Order 17474 is to be amended as follows:

Paragraph 4

delete Class 8452,

insert Class 8402.

(917/96118)

(Navy Order 17474)

Item	Description	Quantity	Unit Price	Total Price
1
2
3
4
5
6
7
8
9
10

DWLS

ANO 175/74



AUSTRALIAN NAVY ORDER

CONTENTS

Navy Office, Canberra,
24 June 1974.

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 4**EQUIPMENT, STORES AND SERVICING**

UNCLASSIFIED

175/74—Modifications and Alterations and Additions: Policy and Procedures**Contents***Paragraphs*

1. Applicability
 3. Policy
 6. Definitions
 7. Category
 9. Priority
 10. RAN Identification of Modifications and A and A's
 15. Authorisation and Issue of Modification/A and A Instructions
 19. Proposal Procedure
 22. Ship's Embodiment Procedure
 23. Ship's Documentation
 24. Filing Instructions
 27. Ship's Annual Inspections
 28. DDG Records
 29. Ship Procedure on Replacing or Installing New Equipment
 30. Ship Procedure for Implementing this Navy Order
 33. Refitting Authorities Procedure for Implementing this Navy Order
 37. Redundant Documentation and Obsolete Records
- Annex A Revised RAN Modification/A and A Numbering System (1973)
- Annex B Form TM188, Modification/A and A Instruction
- Annex C Form TM190, Modification/A and A Action Record: Instructions for Use
- Annex D Example of Typical Form TM190, Modification/A and A Action Record
- Annex E Explanatory Comments for Completing Forms TM187, 187-1 and 187-2, Modification/A and A Proposal
- Annex F Ship's Embodiment Procedure
- Annex G Form TM183-1, Modification Record Sheet: Instructions for Use
- Annex H Ship's Procedure for Replacing and Installing New Equipment

Applicability

1. This order applies to all ships, submarines and support craft, and to specialised naval equipment installed in dockyards, bases, depots, and establishments. The procedures apply to all modifications or alterations and additions that have been approved and promulgated.

2. The procedures do not apply to aircraft, ships under construction, modernisation, conversion, or extended refit, equipment under development or fitted for trial purposes, IKARA systems, or Naval Armament Stores.

Policy

3. The objectives of the policy for the control of modifications and alterations and additions are:

- a. the maintenance at Navy Office of records of all modifications and alterations and additions embodied in the Fleet;
- b. the use of 'strike plates', in addition to normal documentation or other conventional means, to indicate the modification state of equipment;
- c. limited retrospective action to provide simple references to complex modification states of specified equipment by the use of 'Equipment Modification Standards';
- d. improved ship documentation procedures; and
- e. the use of computer techniques for the control of data.

4. In order to effect this policy ships are to notify equipment transfers, modifications and A and A's embodied as they occur.

5. Validation checks of ships and equipment, and specialised naval equipment ashore, will continue for verifying the modification and A and A status of ships and their equipments.

Definitions

- a. **Modification**—This term is applied in connection with items of equipment. It is the process of change to an approved specification which corrects a deficiency, facilitates production and/or maintenance, or improves performance without changing the original purpose for which the item of equipment was fitted.
- b. **Alteration and Addition (A and A)**—This term is applied to structural changes and/or the replacement or addition of equipment to a ship's structure which corrects a deficiency, facilitates maintenance, or improves performance.
- c. **Issue List**—A list giving brief details of all modifications and A and A's issued during a four-month period will be promulgated by Navy Order. Ships are to check receipt of Instructions (Form TM188) against this list: any relevant but not received should be demanded from Director of Fleet Maintenance (Modification Section).
- d. **Equipment Modification Standard (EMS)**—A list of selected modifications applicable to a specified item of equipment to provide a convenient standard for comparison and reference. It does not apply to A and A's.
- e. **Advance Change Notice (ACN)**—A provisional amendment to an official publication or instruction. It will provide temporary instructions for the supply, maintenance, or operation of equipment necessitated by the introduction of a modification or A and A. It will be superseded by a formal handbook change or instruction.
- f. **Advance Modification/A and A Instruction (AMI)**—The document issued to provide advance information of a modification or A and A. It contains instructions authorising preliminary action before embodiment. It will be superseded by Form TM188, 'Modification/A and A Instruction' at an appropriate later date.

g. **Modification/A and A Instruction (Form TM188)**—The document which provides all information necessary to embody a modification or A and A. It is the authority for embodiment action and for demanding appropriate stores.

Category

7. Approved modifications/A and A's will be categorised to indicate the authority responsible for embodiment:

Responsibility	Category	Task
Ship's Staff	(SS)	Work within the capabilities of ships' staffs, base staffs, FMU, or FMP.
Dockyard	(DY)	Work requiring the resources of a dockyard which undertakes main refits.
Contractor	(CT)	Work requiring the specialist resources of contractors.

8. Ships may request dockyards to undertake Category (SS) work for reasons of opportunity or convenience. Such requests will be subject to normal dockyard procedure concerning acceptance. Dockyards may arrange for work to be undertaken by sub-contractors where this is expedient.

Priority

9. Modifications and A and A's will be allocated priority codes to provide guidance on the urgency of embodiment:

Priority	Characteristic
A	Highest or emergency status. Essential modifications or A and A's concerned with personnel or ship safety or major operational deficiencies. To be embodied as directed. Normally preceded by a signal directing interim measures to be implemented.
B	Urgent status. Important modifications or A and A's to be embodied at the first available opportunity or as directed.
C	Normal status. To be embodied at the next Main Refit for Category (DY) and (CT) items, or within the current ship cycle for Category (SS) items.
D	Normal non-retrospective status. Applicable only to specified equipment locations, as directed.
S	Special status. To be embodied only as directed by appropriate authorities. Generally issued to confer particular temporary operational capabilities to a ship.

RAN Identification of Modifications and A and A's

10. The RAN Modification Number System is detailed at Annex A.

11. Limited retrospective action may be taken to re-number existing modifications where such action will aid the simplification of ship's records or the issue of an Equipment Modification Standard. Unless so specified, all modifications and A and A's issued prior to this Navy Order will continue to be identified by their original numbers.

12. ORDALTS and SHIPALTS will be numbered within the RAN Modification/A and A System using the original USN number. When promulgated for RAN adoption, they will be accompanied by Form TM188 providing information relevant to the RAN, and will be accompanied by the original USN text.

13. SHIPALTS adopted may include changes to hulls, machinery, or equipment. The covering Form TM188 will include instructions on where the embodiment is to be recorded, ie, A and A Record Book (Form TM172) or Equipment Modification Record Sheets (Form TM183-1).

14. USN Field Change identities are unsuitable for direct adoption by the RAN and will be allocated a RAN serial number. Field Changes will be promulgated by Form TM188, accompanied by the original USN text.

Authorisation and Issue of Modification/A and A Instructions

15. All approved modifications and A and A's will be promulgated on Forms TM188, 'Modification/A and A Instruction'. The general format is detailed at Annex B. Modification and A and As kits and raw materials are not to be demanded unless specifically authorised by Form TM188.

16. Promulgation of Form TM188 implies that modification kits and materials required are available for issue. In certain instances it is desirable to release limited information of proposals which require extensive preparations by procurement or embodiment authorities. This information will be issued as 'Advance Modification/A and A Instructions'.

17. The receipt of Form TM188 is authority to carry out the modification/A and A provided the 'Applicability' instructions are fulfilled. Applicability instructions will specify individual ships, classes of ships, or equipment, but certain general modifications will require ships' officers to ascertain the exact state, quantity, and type of equipment fitted before demands can be forwarded. Applicability instructions will include reference to equipment held by store and dockyard authorities.

18. Where appropriate, the following documents will be issued with Form TM188, 'Modification/A and A Instruction'. Annex C details the distribution of each:

- a. *Modification/A and A Action Record (Form TM190)*. Form TM190 is an essential item conveying feed back information from the Fleet enabling records at Department of Defence (Navy Office) to be kept in order. Instructions regarding the use of this form are to be closely adhered to. The Form TM190 will be overprinted appropriate to its application. It is designed to act as a job-card during embodiment. Additionally, it replaces the old Form TM190, 'Modification Completion Notification'. The new Form TM190 will assist ships' staffs to follow prescribed procedures and to reduce the documentation task. Instructions for using the form, and a typical example is shown at Annex D.
- b. Duplicate parts of Form TM188 referring to stores and equipment accounting. These will be provided for the use of ships' stores accounting officers.
- c. *Advance Change Notices*. Additional copies of ACNs required by ships will be supplied on request, by Department of Defence (Navy Office). ACNs are to be removed from BRs, etc, when formal amendments have been received.

Proposal Procedure

19. Ships or other originating authorities are to raise proposals for modifications and A and A's on Forms TM187, 187-1, and 187-2, 'Modification/A and A Proposal and Continuation Sheets'. Questions are to be completed for which reliable information is available. The Form TM187-2 should be completed only where credible information from a competent authority on costs can be obtained. A specimen form and instructions for use are shown at Annex E. Proposals are to be given Temporary Distinguishing Letters (TDL) comprising the ship's four character EDP code followed by an oblique stroke followed by a sequential number allocated by the ship.

20. The assessment and adoption of modifications and A and A's originating from the USN and the RAN will be initiated by Navy Office, and other authorities need not raise such proposals.

21. Proposal forms are to be raised in quadruplicate. The originator's copy is to be retained with relevant correspondence in a suitable binder. One copy is to be sent direct to Director of Fleet Maintenance, Modification Section, Department of Defence (Navy Office). Two copies of the proposal are to be forwarded to the Administrative Authority for comment, who will then forward one copy to the Director of Fleet Maintenance (DFM).

Ship's Embodiment Procedure

22. Ship's procedure on receipt of a Modification/A and A Instruction is fully detailed at Annex F. The procedure includes the following:

- a. determination of applicability;
- b. requisitioning of stores, modification kits, APLs and spares for category (SS) items (category (DY) and (CT) are detailed at Paragraph 34);
- c. use of the Form TM190 to control all ship activities for all categories; and
- d. reporting of embodiment.

Ship's Documentation

23. This will comprise four basic series of documents. Except for small ships, these should be organised on a technical department basis. The principal documents are:

- a. proposals file, containing originals of Forms TM187, etc, raised;
- b. 'Modification Record', Form TM183 (binder) containing Forms TM183-1 detailing all demands, receipts, and embodiments;
- c. 'Record of A and As', Form TM172; and
- d. file binders of Form TM188 Series, containing Modification/A and A Instructions received.

Filing Instructions

24. Modification/A and A Instructions are to be filed in Form TM188 binders of appropriate security classification by Equipment Identification Code (EIC).

25. 'Modification Record Sheets', Form TM183-1 are to be filed in Form TM183 binders. A separate page is to be used for each item of equipment. Equipment pages are to be filed in equipment order based on the Equipment Identification Code. Instructions for use and an example are detailed at Annex G.

26. For small ships a single binder for Form TM188 and Form TM183 documents will be appropriate.

Ships' Annual Inspections

27. Ships' documentation will be inspected during annual inspections. All irregularities and problems experienced by ships' officers will be included in the Inspection Report.

DDG Records

28. DDGs are to use USN Ordnance History Cards to record ORDALTS in place of Forms TM183 and 183-1, 'Equipment Modification Record'. SHIPALTS and Field Changes are to be recorded on Form TM183-1 or Form TM172 as appropriate.

Ship Procedure on Replacing or Installing New Equipment

29. The procedure to be used when modified equipment is replaced, or new equipment is installed is detailed at Annex H. The procedure includes the following:

- a. checking equipment to verify the modification status;
- b. raising associated Modification Records;
- c. demanding outstanding modification kits; and
- d. closing off Modification Record of old equipment and forwarding copy to Navy Office.

Ship Procedure for Implementing this Navy Order

30. All ships and establishments are to raise and maintain appropriate TM188 and TM183 series of records for all Modification/A and A Instructions received from the date of this Navy Order.

31. The conversion of current documentation to the new system and procedure involves the following:

- a. demanding stocks of revised Forms TM183-1 on the estimated basis of one year of usage, together with binders TM183, from SVSO;
- b. filing all TM188 instructions in accordance with Paragraphs 24-26. Instructions having only the old system of numbering are to be arranged in alpha/numeric order with suitable indexing;
- c. the abstraction of all data concerning embodied modifications from other documentation, and re-recording on the TM183-1 series in accordance with Paragraphs 24-26;
- d. the simplification of data abstracted by the use of any Equipment Modification Standards issued;
- e. the abstraction from current store demands of data concerning Modifications and A and As demanded, but not yet received or embodied, and the recording of that data on the TM183-1 series; and
- f. A and As will continue to be recorded in the 'A and A Record Book', TM172.

32. Promulgation of modification by means of BRs 1971, 1635, and 1870 has ceased. Ships and authorities are to retain currently held copies for reference until instructions are issued for their disposal. Promulgation of A and As in Navy Orders has been discontinued, but past records are to be retained for reference purposes.

Refitting Authorities Procedure for Implementing this Navy Order

33. Refitting authorities are to maintain lists and data of all Category (DY) and (CT) modifications and A and As for the ships for which they are normally responsible. Copies of all Forms TM188 and other relevant instructions will be forwarded to refitting authorities from Navy Office.

34. Refitting authorities are to demand Category (DY) and (CT) kits, stores and materials for modifications and A and As in accordance with established procedures, after receipt of Form TM188.

35. Items of equipment undergoing refit or repair will have outstanding modifications embodied when possible, having regard to the additional cost involved, the ease with which embodiment can be integrated with other work, the modification priority, other relevant instructions, and the approval for financial expenditure from the Equipment and Stores Maintenance Vote or the Repair and Refit Vote as appropriate.

36. Where equipment being modified does not yet incorporate a strike plate, a Form TM183-1 is to be raised to record all known modification data and is to be attached to the equipment in waterproof envelope.

Redundant Documentation and Obsolete Records

37. The following forms are cancelled from receipt of this Navy Order and may be destroyed after ships and establishments have complied with Paragraphs 30 to 32:

Form TE138-6	Record of A and As, Modifications, Refits, and Trials.
Form TF106-18	A and As and Modifications Record.
Form TM160	Modifications and A and As.
Form TW106	Schedule of Modifications.
Form TW123-24	A and As/Modifications Completed.
Form TW129-5	Record of Approved Modifications.

38. The following forms are no longer to be used to record modifications once data already held on them has been transcribed in accordance with Paragraph 31:

Form TM148	Equipment Card.
Form TM149	Equipment Card (ICE).
Form TW141	Equipment Movements Record (Annex H Paragraph 2 refers).

39. EICs are listed in Navy Order 102/74.

40. ABR 1313—'HMA Submarine Upkeep Manual', Articles 0114, 0124 and 0125 are superseded by this Navy Order and will be amended. ABR 4 (RAN Store-keeping Manual) will be amended.

ANNEX A

RAN Modification/Alteration and Addition Numbering System

First Indicator	Second Indicator	Third Indicator
A single character indicating the type of change	Four characters of the Equipment Identification Code of the equipment concerned.	A number comprising five digits identifying the change. Leading zeros are to be used to complete the number.
A—Alteration and Addition	Modification documentation in ships is to be filed under the first two characters of the EIC.	For A, M, and F, sequential numbers will be allocated by DFM regardless of ship or equipment.
M—Modification		
F—Field Change		
O—ORDALT	See Navy Order 102/74 for two character EIC references.	For O and S, the USN ORDALT or SHIPALT numbers will be retained.
S—SHIPALT		

Typical examples:

A/MMCE/ØØ34Ø	..	Alteration and Addition No ØØ34Ø applying to an air conditioning system, River Class DEs.
S/KJCA/ØØ423	..	USN SHIPALT No 423 concerning a change to DDGs watertight bulkheads.

ANNEX B

Form TM188—Modification/A and A Instruction

The format of a Modification Instruction (Form TM188) will be as follows:

- A. RAN Modification/A and A Number and Title
- B. Equipment
- C. Sub Assembly
- D. Other Authority Identification .. ORDALT, SHIPALT, Field Change Etc and originators TDL.
- E. Purpose Brief reasons for introduction.
- F. Applicability Ships to which applicable, including establishments and dockyards.
- G. Dependency and Compatibility .. Other associated modifications and A and As, compatibility with other equipment, weight control and other restrictions.
- H. Priority for Embodiment .. Abbreviation in accordance with Paragraph 9 of this Navy Order.
- I. Special Embodiment Instructions Further instructions in amplification of H; other considerations, eg, URDEF and INDEF procedures.
- J. Embodiment Authority Category Abbreviation in accordance with Paragraph 7 of this Navy Order.
- K. Spares, Support, Procurement, Instructions (To include procurement instructions).
 - a. Material Required for Embodiment Items required to embody the modification/A and A.
 - b. Embodiment Tools and Test Equipment Special items required during embodiment.
 - c. Revised Ship and Shore Spares Allowances Additions and deletions consequent to embodiment.
 - d. Revised Tools and Test Equipment Allowances Additions and deletions consequent to embodiment and required for subsequent operation and maintenance.
- L. Disposal of Redundant Equipment Action to be taken.
- M. Charge Instructions Special instructions concerning storekeeping and accounting.
- N. Security Instructions Special instructions concerning the security of classified equipment.
- O. Estimated Embodiment Effort .. Composition of labour teams, total estimated hours, and elapsed time to embody.
- P. Costing Cost accounting instructions for dockyards.

ANNEX B—continued

- Q. Drawings and References for Embodiment List of drawings and references concerned. If not supplied with instruction, information on how and to whom supplied.
- R. Post Embodiment Documentation Procedure for updating ship's 'as fitted' drawings. List of relevant Advance Change Notices.
- S. Procedure Full details of procedure for embodiment.
- T. Tests After Completion .. Details of tests and trials and authorities responsible.
- U. Data to be Reported Full details.
- V. Validation Checks Strike plate or other action to mark embodiment. This includes nomination of cabinet to carry equipment modification status marks. Visual checks for embodiment in event of subsequent query, and for validation.
- W. Enclosures List of all enclosures.
- X. Date of Issue
- Y. Distribution

Note: A Modification/A and A Instruction will only include those paragraphs necessary to undertake embodiment. In the case of Category (DY) and (CT), some associated documents will be forwarded to the embodiment authority only.

ANNEX C

Form TM190. 'Modification/A and A Action Record': Instructions for Use

1. Triplicate copies of the Form TM190 will be provided to ships for all categories of modifications and A and As, (*see* paragraph below). Where ships have multiple equipments and insufficient copies of the forms are supplied, locally produced photocopies are to be made.
2. On receipt of a Modification/A and A Instruction, departmental technical officers are to check the applicability of the instruction, and demand kits, spares, etc, as appropriate, and are to record the action on Form TM190.
3. Similarly, embodiment and completion of ship's records (Form TM183-1) are to be certified on Form TM190, by the appropriate ship's engineering officer.
4. Where an instruction is found to be inapplicable to a ship for reasons of previous embodiment, inapplicable equipment, etc, the reason is to be noted briefly on Form TM190, which is to be returned together with all documents to DFM (Modification Section).
5. The Form TM190 may require certain data to be reported, such as trials results, weight control, or any other requirement listed at Section U of Form TM188. Where suitable, the data required will be clearly indicated by the pre-printed information of the form.

ANNEX C—continued

6. Forms TM190 for modifications awaiting incorporation are to be held with the appropriate Form TM188 in the TM188 binder.

7. On completion of the form, ships are to retain one copy, forward one copy to DFM (Modification Section) at Navy Office, Canberra, and one to the ship's administrative authority for updating records. This procedure does not supersede or replace 'ADDON' procedure, or Form TM165 'Refit Completion Report' procedure.

8. On receipt of the completed form, DFM will inform DSUS (ACP) of details so that stores allowances and records can be updated in addition to the updating of Navy Office records of the Modification and A and A state of the Fleet. It is emphasised that Form TM190 is an essential part of the modification accounting procedure at Department of Defence (Navy Office). Ships officers are to ensure that TM190s are properly accounted for, that they are properly completed and that they are forwarded punctually.

9. An example of a typical form, as overprinted for dispatch to ships, is shown at Annex D.

10. Where strike plates are provided, incorporation of the modification is to be recorded thereon.

ANNEX D

Example of Typical TM190, Modification/A and A Action Record

MODIFICATION / A & A ACTION RECORD			TM190 (1974)
MODIFICATION / A & A No.	CATEGORY	PRIORITY	EQPT. IDENT. CODE (EIC)
M/ANEG/00123	(DY)	C	ANEG4A
TITLE		NAVY OFFICE FILE No.	
TWL 35M FEED PUMP GOVERNOR		1211 / 54 / 123	
RECEIPT OF TM188 AND DATE STORES DEMANDED NOTED ON TM183-1 / TM172	SIGNATURE	DATE	
EMBODIED (NOTE EQUIPT. SERIAL No. and LOCATION)	SIGNATURE	DATE	
SHIPS TM183-1 / TM172 RECORD COMPLETE	SIGNATURE	DATE	
INFORMATION TO BE REPORTED (TM188)		WEIGHT VARIATION: ADDED/REMOVED	
Manufacturer of governor to be reported		LOCATION AND HEIGHT ABOVE BASELINE	
When completed forward one copy to Modifications Section, Director of Fleet Maintenance, Department of Defence (Navy Office) Canberra and one copy to Admin Authority. If Mod./A & A is not applicable note reasons and return all documents to DFM.		SHIP NAME AND SOURCE No.	

ANNEX E

Modification/A and A Proposal

MODIFICATION / A & A PROPOSAL		TM187 (1974)	N.O.F. No.
PART A (To be completed by Ship submitting proposal)		Part B is/is not attached.	
PROPOSER	SHIP OR DEPARTMENT OF ORIGIN	DATE	
Name/Title	Name		
ORIGIN WHERE OTHER THAN PROPOSER OF THIS FORM (no USN MODIN)		APPROVED (COMMANDING OFFICER/ HEAD DEPT.)	
Include references			
PROPOSED MOD TDL			
Ship's EDP Code/Ship's Serial Number of proposal			
EQUIPMENT CONCERNED E.I.C.		TM179 REF	
		Serial Number	
SYSTEM OR LOCATION	MAJOR UNIT	SUB UNIT	
Common title	Common title	Common title	
MODULE/COMPONENT		CAT. No./NSN/FSN OF UNIT MODIFIED	
Common title		Self explanatory	
TITLE OF MOD (BRIEF AND UNAMBIGUOUS)			
Self explanatory			
BRIEF OUTLINE OF PROPOSALS IN MIND			
Refer to BR's, ship's drawings, etc. where possible to simplify statement. Enclose sketches where necessary.			
1. SHORTCOMINGS WHICH LEAD TO REQUIREMENT AND IMPROVEMENT WHICH WILL RESULT FROM MOD			
Self explanatory			
2. LIMITATIONS IF MOD IS NOT CARRIED OUT EXCEPT IMPLICATIONS FROM (1)			
Self explanatory			
3. SAFETY ASPECTS			
Self explanatory			
4. URGENCY OF MOD			
Originator's assessment and brief supporting information if possible			

ANNEX E—continued

MODIFICATION / A & A PROPOSAL

TM187-1 (1974)

N.O.F. No.

PART A CONTINUED (To be completed by Ship submitting proposals)

NOTE Some of the information required in 5 to 10 below may not be available. Only reliable information is to be inserted.

5. EFFECTS OF PROPOSED MOD ON ASSOCIATED EQUIPMENT

Insert details of any incompatibility identified, or any interface problems anticipated.

6. DEPENDENCY OF MOD ON—

OTHER MODS

Existing modifications which must be embodied before this proposed modification can be embodied.

OTHER CONSIDERATIONS

Marks and types of equipment which limit the application of this proposal.

7. RESULTS OF TRIALS CARRIED OUT—

TO JUSTIFY REQUIREMENT

Self explanatory

TO PROVE PROPOSED MOD

Self explanatory

8. CHANGE IN MAINTENANCE EFFORT ANTICIPATED AND EFFECT ON COMPLEMENT

Self explanatory

9. REVISION OF DOCUMENTATION REQUIRED

REF. BOOK

Identify documents. Draft amendments not required.

PLANNED MAINTENANCE

Identify schedules. Draft amendments not required.

SPARES — ACTION REQUIRED TO UPDATE SHIP'S ALLOWANCES AND BASE HOLDINGS

Proposed changes to allowances.

DRAWINGS

Identify ship's drawings affected.

10. VARIATION OF TRAINING REQUIRED

Self explanatory

INSTRUCTIONS: Two copies of this form are to be forwarded to the Administrative Authority. The Admin. Authority is to insert his recommendation and add any further remarks considered necessary under any section of this form before forwarding one copy to the Director of Fleet Maintenance (Modification Section) Department of Defence(Navy)

RECOMMENDATION: Admin. Authority Recommendation:

Applicability to other ships

Admin. Authority Signature Date.....

ANNEX E—continued

MODIFICATION / A & A PROPOSAL

TM187-2 (1974)

N.O.F. No.

PART B

(This part is to be used only if proposer is able to provide reliable information Ships will not normally complete)

11. ASPECTS UPON WHICH DESIGN EFFORT WILL BE REQUIRED

[Empty box for design effort aspects]

12. BY WHOM SHOULD MOD BE CARRIED OUT

(TICK APPROPRIATE SQUARE)

S.S.

DOCKYARD

F.M.U.

CONTRACTOR

13. ESTIMATED MANHOURS FOR EACH ASPECT OF SHIP FITTING

A	ASPECT	MANHOURS
B	ASPECT	MANHOURS
C	ASPECT	MANHOURS

14. ESTIMATED COST OF MATERIAL PER OUTFIT MODIFIED (this information should match items in 15 below)

[Empty box for estimated cost of material]

15. AVAILABILITY OF MATERIAL AND STORES

(Attach details of all items together with name, address, phone number of local suppliers, for all locally devised modifications)

[Empty box for availability of material and stores]

16. PROPOSED METHOD OF SUPPLY (e.g. Kit)

[Empty box for proposed method of supply]

17. DISPOSAL OF REDUNDANT EQUIPMENT

[Empty box for disposal of redundant equipment]

18. WEIGHT VARIATION RESULTING FROM MOD (and proposed compensation where applicable and position)

[Empty box for weight variation]

19. METHOD OF RECORDING MOD

ON EQUIPMENT

[Empty box for recording mod on equipment]

DOCUMENTATION

[Empty box for recording mod in documentation]

20. NUMBER OF EQUIPMENTS AFFECTED/SHIPS AND ESTABLISHMENTS INVOLVED

IN SHIPS AND OTHER SERVICES

[Empty box for number of equipments affected]

IN STORES

ADDITIONAL IN FOLLOWING FIVE YEARS (SHIPS/ESTABLISHMENTS INVOLVED — LIST)

TOTAL NUMBER OF KITS REQUIRED

Forward a photocopy of the completed form to DFM (Modification Section), Navy Office, Canberra.

ANNEX F

Ship Embodiment Procedure

On receipt of a Modification/A and A Instruction (Form TM188) ships are to comply with the following procedure:

- a. Determine if the instruction is applicable to the ship or its equipment.
- b. If instruction is not applicable, insert brief reasons on the Form TM190, 'Modification Action Record'. Return all documents to the Director of Fleet Maintenance, Modification Section, Department of Defence (Navy Office). Normally instructions are forwarded only to ships to which they apply.
- c. Where the instruction is applicable and is category (DY) or (CT), the Form TM190 is to be used in refit planning and preparation by adding it to the ship's file of refit items for inclusion in the Main Defect List. Registration, filing of instructions, recording embodiment, and the report of completion are identical to the procedures for category (SS) instructions, and are detailed below.
- d. Where the instruction is applicable and is category (SS), ships' technical officers are to determine the quantity of kits or stores required and insert this information, together with the date required, on Demand Note SX 12-15. The Demand Notes are to be passed to the Stores Accounting Officer, together with SAO's copies of Form TM188.
- e. Receipt of instructions and stores demands are to be recorded on the appropriate Form TM183-1 for the affected equipment(s) together with other relevant information of the instruction. The Form TM190, Modification Action Record, is to be signed and dated at the same time.
- f. The instructions are to be filed in the appropriate Form TM188 Series Covers. Associated 'Advance Modifications Instructions' may be destroyed.
- g. The Form TM190, Modification/A and A Action Record, may be used for the control of department work by acting as a job card.
- h. FMUs and FMPs or Base Staff undertaking embodiment work on behalf of a ship are to be provided with job cards incorporating the essential text of the Form TM188.
- i. The tradesman responsible for embodying the modification or A and A is to sign the Form TM190 certifying satisfactory completion of the technical work involved.
- j. The signing of the Form TM190 is to be followed by the updating of the ship's records in the Form TM183-1, Modification Record Inside Sheets.
- k. Updating of ship's records is to be certified on the Form TM190 by the appropriate ship's engineering officer, after which the form is to be returned to the Director of Fleet Maintenance (Modification Section), with a copy to the ship's administrative authority. Care is to be taken to ensure that any information required is recorded. One copy of Form TM190 is to be retained by the ship in the TM188 binder. It is the ship's responsibility to report the completion of a modification irrespective of the category.
- l. Where a modification or A and A has been substantially progressed during a refit but cannot be completed, a 'photocopy' of the Form TM190 is to be forwarded to the Director of Fleet Maintenance (Modification Section) marked 'Progressed.....per cent', with a copy to ship's administrative authority.

ANNEX F—continued

- m. Defect Lists for Main Refits are to include separate lists of all outstanding category (CT) and (DY) modifications and A and As. For submarines, outstanding category (SS) items are to be included. Defect Lists for intermediate dockings are to include lists of all outstanding category (CT) and (DY) Priority 'A' and 'B' Modifications and A and As.
- n. Separate lists of all Modifications and A and As intended to be undertaken by ship's staff or FMU/FMP or base staff are to be included with Dockyard Defect Lists.
- o. For A and As, the Form TM172, 'Alteration and Addition Record', is used as the ship's record in lieu of the Form TM183-1 referred to in this order.

ANNEX G

Form TM183-1, 'Modification Record Inside Sheet': Instructions for Use

1. a. Raise a separate page TM183-1 for each item of equipment having a modification(s) embodied or kits demanded. Insert Equipment Title, Serial Number/Location, at bottom of form. If two or more identical equipments are fitted use one Form TM183-1 for each equipment.
- b. Insert Equipment Identification Code.
- c. Insert authority supplying equipment and date, if known. If original fitting, insert 'Original'.
- d. Record all modifications embodied by inserting number, title, strike number, and 'yes' at embodiment column.
- e. Draw a horizontal line beneath last entry to indicate equipment status on adopting this Navy Order, or on installation of new or exchange equipment.
- f. Complete all appropriate columns for any modification kits held or demanded but not embodied.
- g. File in TM183 binder in equipment order based on Equipment Identification Code.

After Receipt of Modification Instruction

2. a. Insert RAN modification number, brief title, and strike number for all applicable modifications received for each item of equipment to which it is applicable.
- b. Insert month and year in the columns appropriate for: TM188 received, stores demanded, stores received, and embodied.
- c. Complete relevant section of 'Modification Action Record', Form TM190.

On Transferring Equipment to Another Authority

3. The following procedure is to be used whenever an item of equipment is permanently transferred to another authority. It does not apply to transfer to a dockyard workshop for maintenance and subsequent return during a refit:
 - a. Complete 'Transferred To' and 'Date' spaces.
 - b. Forward a photocopy of the completed form to DFM (Modification Section), Navy Office, Canberra.

ANNEX G—continued

- c. Attach original to outgoing equipment.
- d. File photocopy of original at back of TM183 binder.
- e. Raise new page TM183-1 for replacement equipment.

Example of Form TM183-1, Modifications Record, Inside Sheet

TM183-1
(1974)MODIFICATIONS RECORD
INSIDE SHEET

NOTE: When two or more identical equipments are fitted use separate TM183-1 for each equipment

RAN MODIFICATION NUMBER	TITLE	STRIKE NUMBER	TM183 REC'D	STORES DEMANDED	STORES RECEIVED	EMBODIED
RULE OFF EXISTING ENTRIES ON ADOPTING THIS ANO.						
M/SHAN/00125	POWER METER	6	4/74	4/74	6/74	6/74
M/SHAN/00181	RANGE SYNCHRO	7	5/74	5/74		

SUPPLIED BY	TRANSFERRED	SERIAL No./LOCATION
Original	FROM: TO:	25/Sonar Instrument Space
DATE: 1966	DATE: / /	EQUIPMENT
		SONAR 177
		EIC | S | H | A | N |

ANNEX H

Ship's Procedure for Replacing or Installing New Equipment

1. Until further instructions are promulgated, ships are to conform to the following procedure whenever equipment is replaced or new equipment is installed:

- a. When an equipment is replaced, close off the Modification Record, Form TM183-1 for the outgoing equipment by completing the 'Transferred To' and 'Date' spaces. Forward a photocopy of the completed form to the Director of Fleet Maintenance. Attach original copy to the outgoing equipment—place a photocopy of original in back of TM183 binder. Care is to be taken to ensure that the equipment serial number/location is correct.
- b. Examine the new equipment and determine its modification status from its strike plate, accompanying documentation, and by visual checks (validation) where considered necessary. Check modification status of incoming equipment against that of outgoing equipment. Approval Lists and Equipment Modification Standards will assist in determining if any modifications are outstanding. Queries are to be referred to the equipment supplying authority or the Administrative Authority, as appropriate.

ANNEX H—continued

- c. Record all embodied modification information on duplicate new sheets of the Form TM183-1, using 'yes' at the 'Embodied' column. Draw a horizontal line beneath the last entry to indicate the modification status on receipt. File and retain the original, and forward the duplicate to the Director of Fleet Maintenance, Modification Section, Navy Office.
- d. Demand outstanding modification instructions and kits by normal procedures. Embody on receipt in accordance with Annex F.

2. This procedure replaces that detailed for 'Form TW141 Movement Record'. (Form TW141 is no longer to be used except for IKARA equipment where it is required for configuration control.)

(1211/51/807)

Annex II—continued

4. Presently existing maintenance procedures and the normal maintenance cycle are to be reviewed in accordance with Annex I.

5. The procedure applies to the equipment for TW41 Movement Record (Form TW41) is no longer to be used except for IKA/A equipment when it is required for maintenance purposes.

Form TW41 (13131/100)		Equipment to be replaced or repaired				
		1	2	3	4	5
NAME OF EQUIPMENT TO BE REPLACED OR REPAIRED						
1	2	3	4	5	6	7
1	2	3	4	5	6	7

Form TW41 (13131/100)		Equipment to be replaced or repaired				
		1	2	3	4	5
NAME OF EQUIPMENT TO BE REPLACED OR REPAIRED						
1	2	3	4	5	6	7
1	2	3	4	5	6	7

ANNEX II

Ship's Procedure for Replacing or Installing New Equipment

1. Until further instructions are promulgated, ships are to continue to the following procedure whenever equipment is replaced or new equipment is installed:
 - a. When an equipment is replaced, check off the Maintenance Record Form TW41-1 for the damaged equipment by completing the "Transfer of Title" and "Date" spaces. Forward a photocopy of the completed form to the Director of Port Maintenance, along original copy to the shipping equipment manager, a photocopy of original to each of TW41 books. This is to be taken as evidence that the equipment serial number/condition is correct.
 - b. Prepare the new equipment and describe its maintenance status. This is to be done in accordance with Annex I, and to check the condition of the equipment against the original equipment list and Equipment Maintenance Manual. A photocopy of the maintenance manual for the equipment to be replaced is to be retained in the equipment logbook.



RESTRICTED

DNLS
ANOs 176/74-184/74



AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
24 June 1974.

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 4720.

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

176/74—DEFNAV General Messages

CONTENTS

No	Title
SECTION 1—ADMINISTRATIVE AND GENERAL	
176/74	DEFNAV General Messages.
SECTION 2—PERSONNEL	
177/74	Supplementary List Officers—Entry, Training and Promotion.
SECTION 4—EQUIPMENT, STORES AND SERVICING	
178/74	Air Stores—Allowances of Liferrafts and Survival Packs.
179/74	Ammunition—Pyrotechnics—Allowance to Naval Harbour Craft.
180/74	Commonwealth and Foreign Flags and Ensigns—Allowances.
181/74	4.5-inch Marks 3, 4 and 5 Guns—Series Inspections (R).
182/74	Introduction of Glass Fibre Materials for Curtains and Drapes in HMA Ships.
183/74	Issues of Flying Clothing to Non-Aircrew Officers.
184/74	Re-Identification of More than One Service Stock Number to One DSN.

UNCLASSIFIED

177/74—Supplementary List Officers—Entry, Training and Promotion
Navy Order 177/74 is to be amended by replacing Paragraph 1(a) of Annex A to Part II with the following:

1(a) When available, recruits appointed to the rank of Lieutenant will be of approximately 20 months duration, commencing at 15 months.

- a. approximately 10 months at HMAS PERSEUS;
- b. approximately 10 months at Navy Office 100 DSN.

177/74-2

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

176/74—DEFNAV General Messages

1. In accordance with Navy Order 377/71, the state of DEFNAV General Messages as at 1 April is shown in Annex A to this order.
2. Navy Order 75/74 is hereby cancelled.

ANNEX A

1. The following F messages may be withdrawn:

129, 154, 157, 200, 203, 204, 212, 217, 231, 238, 256.

2. As at 0001Z April, the following F messages were in force:

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52, 54, 55, 57, 58, 59, 60, 61, 63, 65, 67, 68, 69, 70, 71, 73, 74, 75, 76, 77, 79, 80, 81, 82, 83, 84, 86, 87, 88, 89, 91, 92, 94, 95, 96, 97, 99, 100, 101, 103, 104, 105, 106, 107, 108, 109, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 128, 130, 131, 132, 133, 134, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 155, 156, 158, 159, 160, 161, 162, 163, 165, 167, 169, 171, 172, 173, 174, 175, 176, 177, 179, 180, 181, 182, 183, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 202, 205, 206, 207, 208, 210, 211, 213, 214, 215, 216, 217, 218, 221, 223, 224, 225, 227, 228, 229, 230, 232, 233, 234, 235, 236, 237, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270.

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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.

(77/1/14)

(Navy Orders 377/71 and 75/74)

Section 2

PERSONNEL

UNCLASSIFIED

177/74—Supplementary List Officers—Entry, Training and Promotion

Navy Order 307/73 is to be amended by replacing Paragraph 134 of Annex A to Part II with the following:

134. Where practicable successful applicants will be entered and kitted up in HMAS CERBERUS. Their initial training will be of approximately eight months duration constituted as follows:

- a. approximately two months in HMAS CERBERUS;
- b. approximately three months in Navy Office with DNLS;

- c. approximately one month in the East Australia Area and at Fleet Headquarters;
- d. approximately two months in HMA Fleet.

However individual training programmes will depend upon the circumstances of each case and will be advised by Navy Office. On completion of their initial training, Supplementary List Legal Officers will be posted to a legal officer's billet.

(316/4/122)

(Navy Order 307/73)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

178/74—Air Stores—Allowances of Liferrafts and Survival Packs

1. The following types of Survival Packs and Liferrafts are currently in use in the RAN. Allowances of this equipment are shown in the Annex to this order:

- a. SPECIAL SOFT PACK LIFE-RAFT LRI 4220-00-034-0999 containing 4220-00-118-6122 for use in Tracker Aircraft.
- b. RIGID SEAT SURVIVAL KIT 8A LIFERAFT LRI 1660-00-089-7132 containing 4220-00-118-6122 for use in Skyhawk Aircraft.
- c. LIFERAFT MK 4 (4 MAN) .. 4220-00-058-8864 carried in Blowout Stowage on top of Tracker fuselage.
- d. HELICOPTER PERSONAL SURVIVAL PACK LIFERAFT SS MK 5 27C-L58031 containing 27C-9007617 for use in Wessex, Sea King, Iroquois and Bell 206B-1 Aircraft.
- e. SURVIVAL PACK TYPE A3 .. LIFERAFT LRU 3/P .. 4220-00-027-1297 containing 4220-00-726-0424 for use in Macchi Aircraft.
- f. VALISE LIFERAFT MS5 MK 3 4220-99-949-7569 containing 27C-9497567 when modified for use in the Search and Rescue Role in Wessex and Sea King, Iroquois and Bell 206B-1 Aircraft.
- g. TYPE G CONTAINER LIFE-RAFT MS5 MK 3 MOD 15C-397 containing 4220-99-949-7567 carried externally on Tracker Aircraft when used in a Search and Rescue Role.
- h. CONTAINER LIFERAFT MS26UA 4220-MRI RFD-402 containing 4220-66-048-4938 carried internally in the HS 748 Aircraft.

2. The items of safety and survival equipment to be carried or stowed in the liferafts or packs are detailed in AP (RAN) 100 Volume 1 and 2 Part II Section 1, and are to be demanded from the appropriate Superintending Stores Officer.

3. Technical Instructions for maintenance and packing are also contained in AP (RAN) 100 Volume 1 and 2 Part II Section 1. RANAMO Flying Clothing and Survival Equipment/5 Issue 3 refers.

4. This Navy Order will be included in the relevant Aircraft Allowance List when updating of these lists is completed.

(603/77/87)

UNCLASSIFIED

179/74—Ammunition—Pyrotechnics—Allowance to Naval Harbour Craft

1. Naval harbour craft employed on duties within harbours and ports are to be supplied with naval pattern pyrotechnics that may be needed to comply with local port orders.

2. The pyrotechnics referred to are to be exchanged annually by arrangement with the nearest Naval Armament Depot.

3. Navy Order 122/71 is hereby cancelled.

(1370/1/1)

(Navy Order 122/71)

UNCLASSIFIED

180/74—Commonwealth and Foreign Flags and Ensigns—Allowances

1. The revised allowances of Commonwealth and Foreign Flags allowed to individual HMA ships are detailed in Annex A to this order.

2. HMA ships are to raise demands to complete to the revised allowances on Superintending Victualling Store Officer, Sydney (Depot Code 0124). All Commonwealth and Foreign Flags together with any foreign flags held, which are in excess of the revised allowance, are to be returned to Superintending Victualling Store Officer, Sydney, at the first available opportunity.

3. In addition to the allowances contained in Annex A, HMA ships may also demand on temporary loan for ceremonial purposes any of those foreign flags listed in Annex B.

4. Annex B to this order details the range of Commonwealth and Foreign Flags and Ensigns which HMA establishments may demand for their own use, or on temporary loan for ceremonial or instructional purposes.

5. HMA establishments are to raise demands for supply of the required Commonwealth and Foreign Flags and Ensigns on Superintending Victualling Store Officer, Sydney (Depot Code 0124). It is to be noted, however, that the size of the Commonwealth and Foreign Flags and Ensigns to be demanded by HMA establishments for their own use, will depend on the size of the masts at that particular establishment.

6. Naval Officer Commanding, North Australia Area and HMAS TARANGAU, are to demand the following Foreign Flags in the quantities indicated to be held for issue to patrol boats on an as required basis:

Class	Catalogue No	Country	Breadth	UI	ACL	Qty
8345	66-TSN-9512	BRITISH SOLO-MON ISLANDS	4	EA	P	3 (TARANGAU ONLY)
8345	66-TSN-9509	PAPUA NEW GUINEA	4	EA	P	3
8345	99-571-4760	INDONESIA ..	4	EA	P	3
0330	571-4925	PORTUGAL ..	4	EA	P	3

7. This order does not apply to HMA submarines.

8. Respective allowance lists will be amended and repromulgated in due course.

9. Navy Order 42/71 is hereby cancelled.

ANNEX A
Commonwealth/Foreign Flags—HMA Ships

180/74

Class	Catalogue No	Country	National Flag	Breadth	Allowances										
					CV	AD	AO	DDG	DE	DD	AGS	AGOR		AGSC	
												Diamantina	Kimbla		
0330	571-5116	UNITED NATIONS	FLAG	4	—	—	—	—	—	—	—	—	—	—	—
0330	571-5117	UNITED NATIONS	FLAG	6	—	—	1	1	1	1	1	1	1	1	1
8345	99-571-5119	UNITED NATIONS	FLAG	10	1	1	—	—	—	—	—	—	—	—	—
0330	L74296	SEATO	FLAG	4	—	—	—	—	—	—	—	—	—	—	—
0330	L74297	SEATO	FLAG	6	—	—	1	1	1	1	1	1	1	1	1
8345	66-TSN-9525	SEATO	FLAG	10	1	1	—	—	—	—	—	—	—	—	—
8345	99-571-4528	BRITAIN	FLAG	4	—	—	—	—	—	—	—	—	—	—	—
0330	571-4529	BRITAIN	FLAG	6	—	—	1	1	1	1	1	1	1	1	1
8345	99-571-4531	BRITAIN	FLAG	10	1	1	—	—	—	—	—	—	—	—	—
0330	571-4604	CANADA	FLAG	4	—	—	—	—	—	—	—	—	—	—	—
0330	571-4605	CANADA	FLAG	6	—	—	1	1	1	1	1	1	1	1	1
8345	99-571-4607	CANADA	FLAG	10	1	1	—	—	—	—	—	—	—	—	—
8345	66-038-4202	FIJI	FLAG	4	—	—	—	—	—	—	—	—	—	—	—
8345	99-571-4686	FIJI	FLAG	6	—	—	1	1	1	1	1	1	1	1	1
8345	99-571-4688	FIJI	FLAG	10	1	1	—	—	—	—	—	—	—	—	—
8345	99-571-4755	INDIA	FLAG	4	—	—	—	—	—	—	—	—	—	—	—
8345	99-571-4756	INDIA	FLAG	6	—	—	1	1	1	1	1	1	1	1	1
8345	99-571-4758	INDIA	FLAG	10	1	1	—	—	—	—	—	—	—	—	—
8345	99-571-4800	KENYA	FLAG	4	—	—	—	—	—	—	—	—	—	—	—
8345	66-056-7800	KENYA	FLAG	6	—	—	1	1	1	1	1	1	1	1	1
8345	99-571-4803	KENYA	FLAG	10	1	1	—	—	—	—	—	—	—	—	—
0330	571-4835	MALAYSIA	FLAG	4	—	—	—	—	—	—	—	—	—	—	—
0330	L74271	MALAYSIA	FLAG	6	—	—	1	1	1	1	1	1	1	1	1
8345	99-571-4838	MALAYSIA	FLAG	10	1	1	—	—	—	—	—	—	—	—	—
8345	99-571-4848	MAURITIUS	FLAG	4	—	—	—	—	—	—	—	—	—	—	—
8345	66-056-7801	MAURITIUS	FLAG	6	—	—	1	1	1	1	1	1	1	1	1
8345	99-571-4851	MAURITIUS	FLAG	10	1	1	—	—	—	—	—	—	—	—	—

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8345	66-TSN-9508	NAURU	FLAG	4	—	—	—	—	—	—	—	—	—	—	—
8345	66-TSN-9526	NAURU	FLAG	6	—	—	1	1	1	1	1	1	1	1	1
8345	66-TSN-9528	NAURU	FLAG	10	1	1	—	—	—	—	—	—	—	—	—
8345	99-571-4874	NEW ZEALAND	FLAG	10	1	1	—	—	—	—	—	—	—	—	—
8345	99-571-4871	NEW ZEALAND	FLAG	4	—	—	—	—	—	—	—	—	—	—	—
0330	571-4872	NEW ZEALAND	FLAG	6	—	—	1	1	1	1	1	1	1	1	1
8345	66-TSN-9509	PAPUA NEW GUINEA	FLAG	4	—	—	—	—	—	—	—	—	—	—	—
8345	66-TSN-9529	PAPUA NEW GUINEA	FLAG	6	—	—	1	1	1	1	1	1	1	1	1
8345	66-TSN-9531	PAPUA NEW GUINEA	FLAG	10	1	1	—	—	—	—	—	—	—	—	—
0330	571-4970	REPUBLIC OF SINGAPORE	FLAG	4	—	—	—	—	—	—	—	—	—	—	—
0330	L74301	REPUBLIC OF SINGAPORE	FLAG	6	—	—	1	1	1	1	1	1	1	1	1
8345	66-TSN-9510	REPUBLIC OF SINGAPORE	FLAG	10	1	1	—	—	—	—	—	—	—	—	—
8345	99-571-4609	SRI LANKA	FLAG	4	—	—	—	—	—	—	—	—	—	—	—
8345	99-571-4610	SRI LANKA	FLAG	6	—	—	1	1	1	1	1	1	1	1	1
8345	99-571-4612	SRI LANKA	FLAG	10	1	1	—	—	—	—	—	—	—	—	—
8345	99-571-5012	TANZANIA	FLAG	4	—	—	—	—	—	—	—	—	—	—	—
8345	99-571-5013	TANZANIA	FLAG	6	—	—	1	1	1	1	1	1	1	1	1
8345	99-571-5015	TANZANIA	FLAG	10	1	1	—	—	—	—	—	—	—	—	—
8345	99-571-5022	TONGA	FLAG	4	—	—	—	—	—	—	—	—	—	—	—
8345	99-571-5023	TONGA	FLAG	6	—	—	1	1	1	1	1	1	1	1	1
8345	99-571-5025	TONGA	FLAG	10	1	1	—	—	—	—	—	—	—	—	—
8345	66-TSN-9511	WESTERN SAMOA	FLAG	4	—	—	—	—	—	—	—	—	—	—	—
8345	66-TSN-9532	WESTERN SAMOA	FLAG	6	—	—	1	1	1	1	1	1	1	1	1
8345	66-TSN-9534	WESTERN SAMOA	FLAG	10	1	1	—	—	—	—	—	—	—	—	—
8345	66-TSN-9512	BRITISH SOLOMON ISLANDS	FLAG	4	—	—	—	—	—	—	—	—	—	—	—
8345	66-TSN-9535	BRITISH SOLOMON ISLANDS	FLAG	6	—	—	1	1	1	1	1	1	1	1	1
8345	66-TSN-9537	BRITISH SOLOMON ISLANDS	FLAG	10	1	1	—	—	—	—	—	—	—	—	—
8345	66-TSN-9513	BRUNEI	FLAG	4	—	—	—	—	—	—	—	—	—	—	—
8345	66-TSN-9538	BRUNEI	FLAG	6	—	—	1	1	1	1	1	1	1	1	1
8345	66-TSN-9540	BRUNEI	FLAG	10	1	1	—	—	—	—	—	—	—	—	—
8345	66-TSN-9514	GILBERT AND ELLICE ISLANDS	FLAG	4	—	—	—	—	—	—	—	—	—	—	—
8345	66-TSN-9541	GILBERT AND ELLICE ISLANDS	FLAG	6	—	—	1	1	1	1	1	1	1	1	1
8345	66-TSN-9543	GILBERT AND ELLICE ISLANDS	FLAG	10	1	1	—	—	—	—	—	—	—	—	—
8345	66-TSN-9515	HONG KONG	FLAG	4	—	—	—	—	—	—	—	—	—	—	—
8345	66-TSN-9544	HONG KONG	FLAG	6	—	—	1	1	1	1	1	1	1	1	1
8345	66-TSN-9546	HONG KONG	FLAG	10	1	1	—	—	—	—	—	—	—	—	—
8345	66-TSN-9516	NEW HEBRIDES	FLAG	4	—	—	—	—	—	—	—	—	—	—	—
8345	66-TSN-9547	NEW HEBRIDES	FLAG	6	—	—	1	1	1	1	1	1	1	1	1
8345	66-TSN-9549	NEW HEBRIDES	FLAG	10	1	1	—	—	—	—	—	—	—	—	—
8345	66-TSN-9517	PITCAIRN ISLAND	FLAG	4	—	—	—	—	—	—	—	—	—	—	—

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ANNEX A—continued

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Class	Catalogue No	Country	National Flag	Breadth	Allowances										
					CV	AD	AO	DDG	DE	DD	AGS	AGOR		AGSC	
												Diamantina	Kimbla		
8345	66-TSN-9550	PITCAIRN ISLAND	FLAG ..	6	—	—	1	1	1	1	—	—	—	—	—
8345	66-TSN-9552	PITCAIRN ISLAND	FLAG ..	10	1	1	—	—	—	—	—	—	—	—	—
8345	66-TSN-9518	SEYCHELLES AND DIEGO GARCIA	FLAG ..	4	—	—	—	—	—	—	—	—	—	—	—
8345	66-TSN-9553	SEYCHELLES AND DIEGO GARCIA	FLAG ..	6	—	—	1	1	1	1	—	—	—	—	—
8345	66-TSN-9555	SEYCHELLES AND DIEGO GARCIA	FLAG ..	10	1	1	—	—	—	—	—	—	—	—	—
8345	99-571-4569	BAHRAIN	FLAG ..	4	—	—	—	—	—	—	—	—	—	—	—
8345	99-571-4570	BAHRAIN	FLAG ..	6	—	—	1	1	1	1	—	—	—	—	—
8345	99-571-4572	BAHRAIN	FLAG ..	10	1	1	—	—	—	—	—	—	—	—	—
8345	66-TSN-9519	BANGLADESH	FLAG ..	4	—	—	—	—	—	—	—	—	—	—	—
8345	66-TSN-9556	BANGLADESH	FLAG ..	6	—	—	1	1	1	1	—	—	—	—	—
8345	66-TSN-9558	BANGLADESH	FLAG ..	10	1	1	—	—	—	—	—	—	—	—	—
8345	99-571-4594	BURMA	FLAG ..	4	—	—	—	—	—	—	—	—	—	—	—
0330	571-4595 ..	BURMA	FLAG ..	6	—	—	1	1	1	1	—	—	—	—	—
8345	99-571-4597	BURMA	FLAG ..	10	1	1	—	—	—	—	—	—	—	—	—
0330	571-4614 ..	CHILE	FLAG ..	4	—	—	—	—	—	—	—	—	—	—	—
8345	99-571-4614	CHILE	FLAG ..	6	—	—	1	1	1	1	—	—	—	—	—
8345	99-571-4617	CHILE	FLAG ..	10	1	1	—	—	—	—	—	—	—	—	—
0330	571-4624 ..	CHINA (PEOPLES REPUBLIC)	FLAG ..	4	—	—	—	—	—	—	—	—	—	—	—
8345	99-571-4625	CHINA (PEOPLES REPUBLIC)	FLAG ..	6	—	—	1	1	1	1	—	—	—	—	—
8345	99-571-4627	CHINA (PEOPLES REPUBLIC)	FLAG ..	10	1	1	—	—	—	—	—	—	—	—	—
8345	99-571-4675	ETHIOPIA	FLAG ..	4	—	—	—	—	—	—	—	—	—	—	—
8345	66-056-7802	ETHIOPIA	FLAG ..	6	—	—	1	1	1	1	—	—	—	—	—
8345	99-571-4678	ETHIOPIA	FLAG ..	10	1	1	—	—	—	—	—	—	—	—	—
8345	99-571-4697	FRANCE	FLAG ..	4	—	—	—	—	—	—	—	—	—	—	—
8345	99-571-4698	FRANCE	FLAG ..	6	—	—	1	1	1	1	—	—	—	—	—
8345	99-571-4700	FRANCE	FLAG ..	10	1	1	—	—	—	—	—	—	—	—	—

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8345	99-571-4760	INDONESIA	FLAG ..	4	—	—	—	—	—	—	—	—	—	—	—
8345	99-571-4761	INDONESIA	FLAG ..	6	—	—	1	1	1	1	—	—	—	—	—
8345	99-571-4763	INDONESIA	FLAG ..	10	1	1	—	—	—	—	—	—	—	—	—
8345	99-571-4765	IRAN	FLAG ..	4	—	—	—	—	—	—	—	—	—	—	—
8345	99-571-4766	IRAN	FLAG ..	6	—	—	1	1	1	1	—	—	—	—	—
8345	99-571-4768	IRAN	FLAG ..	10	1	1	—	—	—	—	—	—	—	—	—
8345	99-571-4790	JAPAN	FLAG ..	4	—	—	—	—	—	—	—	—	—	—	—
8345	99-571-4791	JAPAN	FLAG ..	6	—	—	1	1	1	1	—	—	—	—	—
8345	99-571-4793	JAPAN	FLAG ..	10	1	1	—	—	—	—	—	—	—	—	—
8345	99-571-4599	KHMER REPUBLIC..	FLAG ..	4	—	—	—	—	—	—	—	—	—	—	—
8345	66-TSN-9559	KHMER REPUBLIC..	FLAG ..	6	—	—	1	1	1	1	—	—	—	—	—
8345	66-TSN-9561	KHMER REPUBLIC..	FLAG ..	10	1	1	—	—	—	—	—	—	—	—	—
0330	571-4805 ..	KOREA	FLAG ..	4	—	—	—	—	—	—	—	—	—	—	—
8345	99-571-4806	KOREA	FLAG ..	6	—	—	1	1	1	1	—	—	—	—	—
8345	99-571-4808	KOREA	FLAG ..	10	1	1	—	—	—	—	—	—	—	—	—
8345	66-TSN-9521	MADAGASCAR	FLAG ..	4	—	—	—	—	—	—	—	—	—	—	—
8345	66-TSN-9562	MADAGASCAR	FLAG ..	6	—	—	1	1	1	1	—	—	—	—	—
8345	66-TSN-9564	MADAGASCAR	FLAG ..	10	1	1	—	—	—	—	—	—	—	—	—
8345	99-571-4840	MALDIVE REPUBLIC	FLAG ..	4	—	—	—	—	—	—	—	—	—	—	—
8345	99-571-4841	MALDIVE REPUBLIC	FLAG ..	6	—	—	1	1	1	1	—	—	—	—	—
8345	99-571-4843	MALDIVE REPUBLIC	FLAG ..	10	1	1	—	—	—	—	—	—	—	—	—
0330	571-5147 ..	MEXICO	FLAG ..	4	—	—	—	—	—	—	—	—	—	—	—
8345	66-058-7470	MEXICO	FLAG ..	6	—	—	1	1	1	1	—	—	—	—	—
8345	99-571-5150	MEXICO	FLAG ..	10	1	1	—	—	—	—	—	—	—	—	—
8345	66-TSN-9522	OMAN	FLAG ..	4	—	—	—	—	—	—	—	—	—	—	—
8345	66-TSN-9565	OMAN	FLAG ..	6	—	—	1	1	1	1	—	—	—	—	—
8345	66-TSN-9567	OMAN	FLAG ..	10	1	1	—	—	—	—	—	—	—	—	—
8345	99-571-4893	PAKISTAN	FLAG ..	4	—	—	—	—	—	—	—	—	—	—	—
0330	571-4894 ..	PAKISTAN	FLAG ..	6	—	—	1	1	1	1	—	—	—	—	—
8345	99-571-4896	PAKISTAN	FLAG ..	10	1	1	—	—	—	—	—	—	—	—	—
8345	99-571-4898	PANAMA	FLAG ..	4	—	—	—	—	—	—	—	—	—	—	—
8345	99-571-4899	PANAMA	FLAG ..	6	—	—	1	1	1	1	—	—	—	—	—
8345	99-571-4901	PANAMA	FLAG ..	10	1	1	—	—	—	—	—	—	—	—	—
8345	99-571-4908	PERU	FLAG ..	4	—	—	—	—	—	—	—	—	—	—	—
8345	99-571-4909	PERU	FLAG ..	6	—	—	1	1	1	1	—	—	—	—	—
8345	99-571-4911	PERU	FLAG ..	10	1	1	—	—	—	—	—	—	—	—	—
0330	571-4914 ..	PHILIPPINES	FLAG ..	4	—	—	—	—	—	—	—	—	—	—	—
0330	571-4915 ..	PHILIPPINES	FLAG ..	6	—	—	1	1	1	1	—	—	—	—	—
8345	99-571-4917	PHILIPPINES	FLAG ..	10	1	1	—	—	—	—	—	—	—	—	—
0330	571-4925 ..	PORTUGAL	FLAG ..	4	—	—	—	—	—	—	—	—	—	—	—
0330	571-4926 ..	PORTUGAL	FLAG ..	6	—	—	1	1	1	1	—	—	—	—	—
8345	99-571-4928	PORTUGAL	FLAG ..	10	1	1	—	—	—	—	—	—	—	—	—
0330	571-4975 ..	SOUTH AFRICA ..	FLAG ..	4	—	—	—	—	—	—	—	—	—	—	—

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ANNEX B—continued

Class	Catalogue No	Country	Flag/Ensign	Breadth
8345	99-571-4848	MAURITIUS	FLAG ..	4
8345	66-056-7801	MAURITIUS	FLAG ..	6
8345	99-571-4850	MAURITIUS	FLAG ..	8
8345	99-571-4851	MAURITIUS	FLAG ..	10
8345	66-TSN-9508	NAURU	FLAG ..	4
8345	66-TSN-9526	NAURU	FLAG ..	6
8345	66-TSN-9527	NAURU	FLAG ..	8
8345	66-TSN-9528	NAURU	FLAG ..	10
8345	99-571-4871	NEW ZEALAND	FLAG ..	4
8345	66-037-5296	NEW ZEALAND	WHITE ENSIGN ..	4
8345	66-037-5298	NEW ZEALAND	RED ENSIGN ..	4
0330	571-4872 ..	NEW ZEALAND	FLAG ..	6
8345	99-571-4873	NEW ZEALAND	FLAG ..	8
8345	99-571-4874	NEW ZEALAND	FLAG ..	10
8345	66-TSN-9509	PAPUA NEW GUINEA ..	FLAG ..	4
8345	66-TSN-9529	PAPUA NEW GUINEA ..	FLAG ..	6
8345	66-TSN-9530	PAPUA NEW GUINEA ..	FLAG ..	8
8345	66-TSN-9531	PAPUA NEW GUINEA ..	FLAG ..	10
0330	571-4970 ..	REPUBLIC OF SINGAPORE ..	FLAG ..	4
0330	L74301 ..	REPUBLIC OF SINGAPORE ..	FLAG ..	6
0330	L74302 ..	REPUBLIC OF SINGAPORE ..	FLAG ..	8
8345	66-TSN-9510	REPUBLIC OF SINGAPORE ..	FLAG ..	10
8345	99-571-4609	SRI LANKA	FLAG ..	4
8345	99-571-4610	SRI LANKA	FLAG ..	6
8345	99-571-4611	SRI LANKA	FLAG ..	8
8345	99-571-4066	SRI LANKA	ENSIGN ..	8
8345	99-571-4612	SRI LANKA	FLAG ..	10
8345	99-571-5012	TANZANIA	FLAG ..	4
8345	99-571-5013	TANZANIA	FLAG ..	6
8345	99-571-5014	TANZANIA	FLAG ..	8
8345	99-571-5015	TANZANIA	FLAG ..	10
8345	99-571-5022	TONGA	FLAG ..	4
8345	99-571-5023	TONGA	FLAG ..	6
8345	99-571-5024	TONGA	FLAG ..	8
8345	99-571-5025	TONGA	FLAG ..	10
8345	66-TSN-9511	WESTERN SAMOA	FLAG ..	4
8345	66-TSN-9532	WESTERN SAMOA	FLAG ..	6
8345	66-TSN-9533	WESTERN SAMOA	FLAG ..	8
8345	66-TSN-9534	WESTERN SAMOA	FLAG ..	10

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Class	Catalogue No	Country	Flag/Ensign	Breadth
8345	66-TSN-9512	BRITISH SOLOMON ISLANDS	FLAG ..	4
8345	66-TSN-9535	BRITISH SOLOMON ISLANDS	FLAG ..	6
8345	66-TSN-9536	BRITISH SOLOMON ISLANDS	FLAG ..	8
8345	66-TSN-9537	BRITISH SOLOMON ISLANDS	FLAG ..	10
8345	66-TSN-9513	BRUNEI	FLAG ..	4
8345	66-TSN-9538	BRUNEI	FLAG ..	6
8345	66-TSN-9539	BRUNEI	FLAG ..	8
8345	66-TSN-9540	BRUNEI	FLAG ..	10
8345	66-TSN-9514	GILBERT AND ELLICE ISLANDS	FLAG ..	4
8345	66-TSN-9541	GILBERT AND ELLICE ISLANDS	FLAG ..	6
8345	66-TSN-9542	GILBERT AND ELLICE ISLANDS	FLAG ..	8
8345	66-TSN-9543	GILBERT AND ELLICE ISLANDS	FLAG ..	10
8345	66-TSN-9515	HONG KONG ..	FLAG ..	4
8345	66-TSN-9544	HONG KONG ..	FLAG ..	6
8345	66-TSN-9545	HONG KONG ..	FLAG ..	8
8345	66-TSN-9546	HONG KONG ..	FLAG ..	10
8345	66-TSN-9516	NEW HEBRIDES	FLAG ..	4
8345	66-TSN-9547	NEW HEBRIDES	FLAG ..	6
8345	66-TSN-9548	NEW HEBRIDES	FLAG ..	8
8345	66-TSN-9549	NEW HEBRIDES	FLAG ..	10
8345	66-TSN-9517	PITCAIRN ISLAND ..	FLAG ..	4
8345	66-TSN-9550	PITCAIRN ISLAND ..	FLAG ..	6
8345	66-TSN-9551	PITCAIRN ISLAND ..	FLAG ..	8
8345	66-TSN-9552	PITCAIRN ISLAND ..	FLAG ..	10
8345	66-TSN-9518	SEYCHELLES AND DIEGO GARCIA	FLAG ..	4
8345	66-TSN-9553	SEYCHELLES AND DIEGO GARCIA	FLAG ..	6
8345	66-TSN-9554	SEYCHELLES AND DIEGO GARCIA	FLAG ..	8
8345	66-TSN-9555	SEYCHELLES AND DIEGO GARCIA	FLAG ..	10
0330	571-4548 ..	ALBANIA	FLAG ..	4
8345	99-571-4550	ALBANIA	FLAG ..	8

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Class	Catalogue No	Country	Flag/Ensign	Breadth
0330	571-4553 ..	ARGENTINA	FLAG	4
8345	99-571-4555	ARGENTINA	FLAG	8
8345	99-571-4569	BAHRAIN	FLAG	4
8345	99-571-4570	BAHRAIN	FLAG	6
8345	99-571-4571	BAHRAIN	FLAG	8
8345	99-571-4572	BAHRAIN	FLAG	10
8345	66-TSN-9519	BANGLADESH	FLAG	4
8345	66-TSN-9556	BANGLADESH	FLAG	6
8345	66-TSN-9557	BANGLADESH	FLAG	8
8345	66-TSN-9558	BANGLADESH	FLAG	10
0330	571-4044 ..	BELGIUM	ENSIGN	4
8345	99-571-4046	BELGIUM	ENSIGN	8
0330	571-4584 ..	BRAZIL	FLAG	4
8345	99-571-4586	BRAZIL	FLAG	8
0330	571-4049 ..	BULGARIA	ENSIGN	4
8345	99-571-4051	BULGARIA	ENSIGN	8
8345	99-571-4594	BURMA	FLAG	4
0330	571-4595 ..	BURMA	FLAG	6
0330	571-4596 ..	BURMA	FLAG	8
8345	99-571-4056	BURMA	ENSIGN	8
8345	99-571-4597	BURMA	FLAG	10
0330	571-4614 ..	CHILE	FLAG	4
8345	99-571-4614	CHILE	FLAG	6
8345	99-571-4616	CHILE	FLAG	8
8345	99-571-4617	CHILE	FLAG	10
0330	571-4624 ..	CHINA (PEOPLES REPUBLIC)	FLAG	4
8345	99-571-4625	CHINA (PEOPLES REPUBLIC)	FLAG	6
8345	99-571-4626	CHINA (PEOPLES REPUBLIC)	FLAG	8
8345	99-571-4627	CHINA (PEOPLES REPUBLIC)	FLAG	10
0330	571-4069 ..	COLOMBIA	ENSIGN	4
8345	99-571-4071	COLOMBIA	ENSIGN	8
0330	571-4074 ..	COSTA RICA	ENSIGN	4
8345	99-571-4076	COSTA RICA	ENSIGN	8
0330	571-4639 ..	CUBA	FLAG	4
8345	99-571-4641	CUBA	FLAG	8

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Class	Catalogue No	Country	Flag/Ensign	Breadth
0330	571-4079 ..	CZECHOSLOVAKIA	ENSIGN	4
0330	571-4081 ..	CZECHOSLOVAKIA	ENSIGN	8
8345	99-571-4656	DENMARK	FLAG	8
8345	99-571-4087	DENMARK	ENSIGN	8
0330	571-4090 ..	DOMINICAN REPUBLIC	ENSIGN	4
8345	99-571-4092	DOMINICAN REPUBLIC	ENSIGN	8
0330	571-4664 ..	ECUADOR	FLAG	4
8345	99-571-4666	ECUADOR	FLAG	8
8345	99-571-4675	ETHIOPIA	FLAG	4
8345	66-056-7802	ETHIOPIA	FLAG	6
8345	99-571-4677	ETHIOPIA	FLAG	8
8345	99-571-4678	ETHIOPIA	FLAG	10
0330	571-4095 ..	FINLAND	ENSIGN	4
8345	99-571-4097	FINLAND	ENSIGN	8
8345	99-571-4697	FRANCE	FLAG	4
8345	99-571-4698	FRANCE	FLAG	6
8345	99-571-4699	FRANCE	FLAG	8
8345	99-571-4700	FRANCE	FLAG	10
8345	99-571-4710	FEDERAL REPUBLIC GERMANY	FLAG	8
8345	99-571-4722	GREECE	FLAG	8
0330	571-4730 ..	GUATEMALA	FLAG	4
8345	99-571-4732	GUATEMALA	FLAG	8
0330	571-4122 ..	HONDURAS	ENSIGN	4
0330	571-4124 ..	HONDURAS	ENSIGN	8
0330	571-4745 ..	HUNGARY	FLAG	4
0330	571-4747 ..	HUNGARY	FLAG	8
0330	571-4127 ..	ICELAND	ENSIGN	4
8345	99-571-4129	ICELAND	ENSIGN	8
8345	99-571-4760	INDONESIA	FLAG	4
0330	571-4137 ..	INDONESIA	ENSIGN	4
8345	99-571-4761	INDONESIA	FLAG	6

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Class	Catalogue No	Country	Flag/Ensign	Breadth
0330	L74250	INDONESIA	ENSIGN	8
8345	99-571-4763	INDONESIA	FLAG	10
8345	99-571-4765	IRAN	FLAG	4
8345	99-571-4766	IRAN	FLAG	6
8345	99-571-4767	IRAN	FLAG	8
8345	99-571-4144	IRAN	ENSIGN	8
8345	99-571-4768	IRAN	FLAG	10
0330	571-4770	IRAQ	FLAG	4
0330	571-4772	IRAQ	FLAG	8
0330	571-4670	IRISH REPUBLIC	FLAG	4
8345	99-571-4672	IRISH REPUBLIC	FLAG	8
8345	99-571-4147	ISRAEL	ENSIGN	4
8345	99-571-4149	ISRAEL	ENSIGN	8
8345	99-571-4782	ITALY	FLAG	8
8345	99-571-4154	ITALY	ENSIGN	8
8345	99-571-4790	JAPAN	FLAG	4
0330	571-4157	JAPAN	ENSIGN	4
8345	99-571-4791	JAPAN	FLAG	6
8345	99-571-4792	JAPAN	FLAG	8
8345	99-571-4793	JAPAN	FLAG	10
8345	99-571-4599	KHMER REPUBLIC	FLAG	4
8345	66-TSN-9559	KHMER REPUBLIC	FLAG	6
8345	66-TSN-9560	KHMER REPUBLIC	FLAG	8
8345	66-TSN-9561	KHMER REPUBLIC	FLAG	10
0330	571-4805	KOREA	FLAG	4
8345	99-571-4806	KOREA	FLAG	6
8345	99-571-4807	KOREA	FLAG	8
8345	99-571-4808	KOREA	FLAG	10
0330	L74264	KOREA PEOPLES REPUBLIC	FLAG	8
0330	L74266	LAOS	FLAG	8
0330	571-4820	LEBANON	FLAG	4
8345	99-571-4822	LEBANON	FLAG	8
8345	99-571-4827	LIBERIA	FLAG	8

ANNEX B—continued

Class	Catalogue No	Country	Flag/Ensign	Breadth
0330	L74267	LUXEMBOURG	FLAG	8
8345	66-TSN-9521	MADAGASCAR	FLAG	4
8345	66-TSN-9562	MADAGASCAR	FLAG	6
8345	66-TSN-9563	MADAGASCAR	FLAG	8
8345	66-TSN-9564	MADAGASCAR	FLAG	10
8345	99-571-4840	MALDIVE REPUBLIC	FLAG	4
8345	99-571-4841	MALDIVE REPUBLIC	FLAG	6
8345	99-571-4842	MALDIVE REPUBLIC	FLAG	8
8345	99-571-4843	MALDIVE REPUBLIC	FLAG	10
0330	571-5147	MEXICO	FLAG	4
8345	66-058-7470	MEXICO	FLAG	6
8345	99-571-5149	MEXICO	FLAG	8
8345	99-571-5150	MEXICO	FLAG	10
8345	99-571-4864	NETHERLANDS	FLAG	4
8345	99-571-4866	NETHERLANDS	FLAG	8
0330	571-4876	NICARAGUA	FLAG	4
8345	99-571-4878	NICARAGUA	FLAG	8
8345	99-571-4884	NORWAY	FLAG	8
8345	99-571-4176	NORWAY	ENSIGN	8
8345	66-TSN-9522	OMAN	FLAG	4
8345	66-TSN-9565	OMAN	FLAG	6
8345	66-TSN-9566	OMAN	FLAG	8
8345	66-TSN-9567	OMAN	FLAG	10
8345	99-571-4893	PAKISTAN	FLAG	4
0330	571-4894	PAKISTAN	FLAG	6
8345	99-571-4895	PAKISTAN	FLAG	8
8345	99-571-4896	PAKISTAN	FLAG	10
8345	99-571-4898	PANAMA	FLAG	4
8345	99-571-4899	PANAMA	FLAG	6
8345	99-571-4900	PANAMA	FLAG	8
8345	99-571-4901	PANAMA	FLAG	10
8345	99-571-4908	PERU	FLAG	4
8345	99-571-4909	PERU	FLAG	6
8345	99-571-4910	PERU	FLAG	8

ANNEX B—continued

Class	Catalogue No	Country	Flag/Ensign	Breadth
0330	L74283	PERU	ENSIGN	8
8345	99-571-4911	PERU	FLAG	10
0330	571-4914	PHILLIPINES	FLAG	4
0330	571-4915	PHILLIPINES	FLAG	6
8345	99-571-4916	PHILLIPINES	FLAG	8
8345	99-571-4917	PHILLIPINES	FLAG	10
0330	571-4919	POLAND	FLAG	4
0330	571-4921	POLAND	FLAG	8
0330	571-4925	PORTUGAL	FLAG	4
0330	571-4926	PORTUGAL	FLAG	6
8345	99-571-4927	PORTUGAL	FLAG	8
8345	99-571-4928	PORTUGAL	FLAG	10
0330	L74284	PUERTO RICO	ENSIGN	8
0330	571-4194	RUMANIA	ENSIGN	4
8345	99-571-4196	RUMANIA	ENSIGN	8
0330	571-4945	SALVADOR	FLAG	4
8345	99-571-4947	SALVADOR	FLAG	8
0330	571-4975	SOUTH AFRICA	FLAG	4
8345	99-571-4976	SOUTH AFRICA	FLAG	6
8345	99-571-4977	SOUTH AFRICA	FLAG	8
8345	99-571-4978	SOUTH AFRICA	FLAG	10
0330	571-4981	SPAIN	FLAG	4
8345	99-571-4983	SPAIN	FLAG	8
8345	99-571-4999	SWEDEN	FLAG	8
8345	99-571-4213	SWEDEN	ENSIGN	8
0330	L74307	SWITZERLAND	ENSIGN	8
0330	120-2667	THE HASHEMITE KINGDOM OF JORDAN	FLAG	4
8345	99-571-4797	THE HASHEMITE KINGDOM OF JORDAN	FLAG	8
8345	99-571-5017	THAILAND	FLAG	4
0330	571-4217	THAILAND	ENSIGN	4
0330	571-5018	THAILAND	FLAG	6
8345	99-571-5019	THAILAND	FLAG	8
8345	99-571-5020	THAILAND	FLAG	10

ANNEX B—continued

Class	Catalogue No	Country	Flag/Ensign	Breadth
0330	571-5096	TURKEY	FLAG	4
8345	99-571-5098	TURKEY	FLAG	8
8345	99-571-5082	UNITED ARAB REPUBLIC	FLAG	4
8345	99-571-5084	UNITED ARAB REPUBLIC	FLAG	8
0330	571-5068	URUGUAY	FLAG	4
8345	99-571-5070	URUGUAY	FLAG	8
8345	99-571-5087	USA	FLAG	4
0330	571-5088	USA	FLAG	6
8345	99-571-5089	USA	FLAG	8
8345	99-571-5066	USA	FLAG	10
0330	571-5101	USSR	FLAG	4
8345	99-571-5078	USSR	FLAG	6
8345	99-571-4222	USSR	FLAG	8
8345	99-571-4224	USSR	ENSIGN	8
8345	99-571-5080	USSR	FLAG	10
0330	571-5073	VENEZUELA	FLAG	4
8345	99-571-5075	VENEZUELA	FLAG	8
8345	66-TSN-9523	VIETNAM (DEMOCRATIC REPUBLIC)	FLAG	4
8345	66-TSN-9568	VIETNAM (DEMOCRATIC REPUBLIC)	FLAG	6
0330	L74309	VIETNAM (DEMOCRATIC REPUBLIC)	FLAG	8
8345	66-TSN-9569	VIETNAM (DEMOCRATIC REPUBLIC)	FLAG	10
0330	571-5054	SOUTH VIETNAM	FLAG	4
0330	L74310	SOUTH VIETNAM	FLAG	6
0330	L74311	SOUTH VIETNAM	FLAG	8
8345	66-TSN-9524	SOUTH VIETNAM	FLAG	10
0330	571-4227	YUGOSLAVIA	ENSIGN	4
0330	831808	YUGOSLAVIA	ENSIGN	8

Note: Accounting Classification for all items in this Annex is P, and the unit of issue is EA.

(1/8345/3)

(Navy Order 42/71)

RESTRICTED

181/74—4.5-inch Marks 3, 4 and 5 Guns—Series Inspections (R)

(DCI T39/74)

1. The number of rounds normally fired between Series Inspections of 4.5-inch Marks 3, 4 and 5 guns is specified in BR 291 (*Particulars of Naval Ordnance Table 1.6*) and is currently 150 EFCs. It has been decided to increase the number of rounds fired between Series Inspections to 300 EFCs for all HMA ships and establishments and arrangements are to be made with RANADs accordingly.

2. Where defects are likely to develop or where wear and/or scoring is likely to reach the specified limit before another complete series is completed the barrel will be sentenced for a smaller number of rounds by the Naval Ordnance Inspecting Officer.

3. The theoretical probable life of new barrels (currently 1,500 rounds) is also being increased to 1,800 EFCs. This is a nominal figure only and is used to compile the theoretical mean wear/rounds fired graph provided in the barrel memorandum as a guide for inspecting officers. The PRL (probable remaining life) of each individual barrel is predicted on the actual wear rate found during the Series Inspection of that particular barrel.

4. BR 291 is being amended.

(706/51/239)

UNCLASSIFIED

182/74—Introduction of Glass Fibre Materials 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. 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.

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

5. 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.

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

(1/8305/40)

UNCLASSIFIED

183/74—Issues of Flying Clothing to Non-Aircrew Officers

1. The following Non-Aircrew Officers, who are required to fly in the course of their duties are to be issued with one (1) No Helmet, Protective, Flying, Complete (appropriate to type) and one (1) Pr Lightweight/Mediumweight Flying Overalls, on a personal loan basis:

Air Engineering Officer	..	HT 723, VC 724, HT 725, VF 805, VS 816, HS 817 and VC 851 Squadrons
Air Electrical Officer	..	VC 724, HT 725, VF 805, VS 816, HS 817 and VC 851 Squadrons
Quality Control Officer	..	HMAS ALBATROSS
Photographic Officer	..	HMAS ALBATROSS
Senior Medical Officer	..	HMAS ALBATROSS
Medical Officers (2)	..	HMAS ALBATROSS
TOTAL	..	18 Sets

2. Air Technical Officers of embarked squadrons are to take their flying clothing with them on embarkation.

3. When the requirement to fly during the course of duty no longer exists, the flying clothing issued on personal loan is to be returned to store.

4. To ensure uniformity in the issue of flying clothing, issues to other than aircrew are to be made on Form SA125—Flying Clothing Card, endorsed 'Non-Aircrew—Limited Issue Only'.

5. ABR 4, Chapter 26, will be amended.

(2/8415/17)

UNCLASSIFIED

184/74—Re-Identification of More than One Service Stock Number to One DSN

1. The following items currently held under two Stock Numbers have been re-identified by one Stock Number:

Item	Old Stock No	Description	CL	UI
1	0284-L53194	PLATE ATOMISER	C	EA
	0284-L53198	PLATE SWIRL	C	EA
2	0284-L53195	PLATE ATOMISER	C	EA
	0284-L53199	PLATE SWIRL	C	EA
3	0284-L53196	PLATE ATOMISER	C	EA
	0284-L53200	PLATE SWIRL	C	EA
4	0284-L53197	PLATE ATOMISER	C	EA
	0284-L53201	PLATE SWIRL	C	EA

Item	New Stock No	Description	CL	UI
1	4410-66-061-6542	ORIFICE PLATE AND SWIRL PLATE ASSEMBLY	P	AY
2	4410-66-061-6543	ORIFICE PLATE AND SWIRL PLATE ASSEMBLY	P	AY
3	4410-66-061-6544	ORIFICE PLATE AND SWIRL PLATE ASSEMBLY	P	AY
4	4410-66-061-6545	ORIFICE PLATE AND SWIRL PLATE ASSEMBLY	P	AY

2. Stock holdings, store accounts and records are to be adjusted accordingly quoting this Navy Order as authority.

(400/67/725)

DNAS

RESTRICTED

ANOs 185/74-196/74



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Navy Office, Canberra,
18 June 1974.

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

185/74—Logistic Requirements—Queensland Coast

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189/74	Naval Equipment—GOSIEAA Repair and Manufacturing Functions.
190/74	Radar—Aerials—Radiating and Reflecting Painting by Ships Staff.
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196/74	Training and Promotion of Junior Officers of the General List.

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.

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 4720.

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

185/74—Logistic Requirements—Queensland Coast

1. The purpose of this order is to clarify the logistic arrangements on the Queensland coast, resulting from recent changes in command and control and the increased tempo of activities in the area.

2. NOC Queensland is responsible for the logistic requirements of all HMA ships, Commonwealth and foreign warships with the exception of patrol boats and LCHs in all ports except Cairns.

3. The Commanding Officer HMAS CAIRNS is responsible for:

- the logistic requirements for patrol boats in all ports except Brisbane; and
- the logistic requirements for all HMA ships, Commonwealth and foreign warships visiting Cairns.

4. COMAUSLANCRON ONE is responsible for the logistic requirements of all LCHs in all ports except Cairns.

5. RANOPS will be amended.

(400/1/3872)

UNCLASSIFIED

186/74—Peter Mitchell Trust British Commonwealth Navies Essay Competition—1974

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 × 210 mm).

5. Footnotes and bibliography should give full acknowledgment 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 competitor's own unassisted work. The declaration is to be countersigned by the competitor's Commanding Officer. A specimen declaration is attached as Annex 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 author's 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 competitor's 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 competitor's 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 large sealed envelope, marked 'Peter Mitchell Trust Essay Competition' to the following address, postmarked on or before 31 October 1974:

Director of Naval Education Service
Department of Defence (Navy Office)
CANBERRA 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.

1974 Essay Title

14. The title of the 1974 essay is:

'The Place of the Seaborne Aircraft Platform in Future Naval Warfare'.

15. Navy Order 177/73 is hereby cancelled.

ANNEX A

Specimen Declaration

1. Attached in a separate envelope is my entry for the 1974 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 judgement 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 177/73)

UNCLASSIFIED

187/74—Reciprocal Gifts Received by Members of the RAN

Introduction

1. This order promulgates the procedure for disposal of reciprocal gifts received by members of the Royal Australian Navy. A reciprocal gift is one received on an occasion when there is an exchange of gifts, and the gift presented by the member was at Australian Government expense.

Reporting to Navy Office

2. Reciprocal gifts are to be deemed to be Australian Government property until otherwise determined, and are to be reported to Navy Office in the following format as soon as practicable after receipt:

- a. full description of the gift, including any inscription thereon;
- b. occasion on which received;
- c. whether the donor expressed any wish regarding disposition or use of the gift;
- d. the assessed cash value of the gift;
- e. whether the officer who received the gift has expressed a desire to retain it for himself;
- f. proposed method of dealing with the gift, eg, to be retained in ship or establishment, to be retained by recipient, etc.

Gifts Suitable for Official Use

3. When it is decided that the gift is suitable for official use, whether decorative or functional, Navy Office will advise the ship, establishment, etc, in which the gift is to be retained and the article is to be accounted for in accordance with ABR 4 Article 2205. Even though the gift may be deemed to be suitable for official use, Navy

Office may consider that retention by the member who received the gift and who has requested that he be allowed to retain it, would be appropriate because of special factors involved. In these circumstances retention by the member may be authorised subject to payment by the member of the assessed cash value of the gift as advised by Navy Office. In exceptional cases waiver of payment may be approved.

Gifts Not Suitable for Official Use

4. Where the gift is not suitable for official use and is of minor value (ie, an assessed value of not more than \$20) retention free of charge by the recipient may be authorised if he has so requested and it would be appropriate that the member should retain it. If the assessed value of the gift in this category is in excess of \$20 the question of disposal will be referred to Treasury.

5. Authority will not be granted for a recipient to retain a gift where there is any possibility of causing embarrassment to the Australian Government and/or offence to the donor or his country.

6. ABR 4, RAN Storekeeping Manual, Chapter 22, will be amended.

(42/1/255)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

188/74—Fire Precautions—Electric Appliances

1. A serious fire in the RAN was caused by an electric hot water urn, located on a combustible surface, boiling dry. Urns, electric kettles, jugs and similar appliances are not to be used unless placed on a surface of incombustible material in such a way that the appliances are at least twelve inches from any surrounding combustible material. In some cases, metal brackets, designed to meet these requirements, might be the best solution and installation of these wherever possible, is recommended.

2. Base mounting requirements may be stated as follows:

The base on which electric urns and food heating appliances are mounted should be metal or other incombustible material which is thermally insulated by an airspace, or otherwise, from combustible material. Free circulation is essential in the air space, which should be open on at least three sides and be not less than one and a half inches in depth.

3. Electric urns not fitted with an automatic cut out with manual reset device are not to be used.

4. The 'ON' position of supply switches is to be clearly marked.

5. Ship fitted equipment is to comply with Navy Office Specification 1223; that in shore establishments with AS CC1.

6. Navy Order 199/71 is hereby cancelled.

(N5900/1/1)

(Navy Order 199/71)

UNCLASSIFIED

189/74—Naval Equipment—GOSIEAA Repair and Manufacturing Functions

1. In addition to his existing functions of overseeing and inspection, the GOSIEAA is the authority responsible for co-ordinating Naval Equipment and Stores Repair excluding Naval Armament Stores, Naval Air Stores and Victualling 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 authorities; and
- b. the economical and effective use of the repair facilities available in dockyards, Department of Supply factories and contractors.

2. Ordering Authorities are to ensure that copies of all orders for repair work placed on dockyards, Department of Supply factories and contractors, are forwarded to the GOSIEAA so that individual repair capacities can be assessed, progress of work monitored and future allocations proposed.

3. The Ordering Authorities are to ensure that all such orders are endorsed 'To be in accordance with the Requirements of Naval Inspection'. They are to ensure that orders are clear and sufficient in all details regarding quantities, delivery dates, specifications and drawings.

4. The Ordering Authority is to ensure that the contractor is provided with a copy of Form TH161 (latest revision) 'The Requirements of Naval Inspection'.

5. Where the extent of repairs required is not known, and it is to be determined by the General Overseer during a survey, the Invitation to Tender is to indicate the fact.

6. A Naval Equipment Repair Co-ordination Committee, under the Chairmanship of the GOSIEAA, and comprising representatives of GMGID, GMWD, Supply Division and GOSI VIC, has been established to assist in the co-ordination of the above repair activities.

7. The GOSIEAA is functionally responsible to the Director-General Naval Production but can communicate direct with the Director-General Naval Design and the Director-General Dockyards and Maintenance on design and maintenance aspects of the functions of this order.

8. The GOSIEAA is to investigate the extension of repair by replacement procedures and equipment re-conditioning programmes and forward proposals to DGDM and DGNP.

9. The GOSIEAA is to evaluate local equipment manufacturers capabilities and capacity for the production and repair of machinery and equipment for Naval purposes and forward reports to the Director-General of Naval Production.

(8/201/37)

UNCLASSIFIED

190/74—Radar—Aerials—Radiating and Reflecting Painting by Ships Staff

1. Incorrect and repeated painting of radiating and reflecting elements of radar aerials by ships staff can cause a reduction in range performance and a change in beam pattern.

2. If the design performance is to be achieved and maintained, the preparation and repainting of such aerial surfaces should be carried out using the correct type and quantity of paint applied in accordance with the approved technique. Normally such repainting should only be undertaken by dockyards.

3. When paint deterioration and corrosion of radiating and reflecting elements has occurred to an extent where radar performance is likely to be impaired, a Dockyard Defect is to be raised giving full details and necessary remedial action. Defect action should not be taken for paint discolouration only.

4. If it is considered that there will be a delay in Dockyard Defect Action, ships staff should take measures to arrest serious deterioration. In this case where existing paint is to be removed, great care should be taken to minimise damage to the underlying surfaces. Chipping is not to be attempted, loose paint and corrosion being removed using wire brushes and abrasive papers. All surfaces must be thoroughly cleaned of soot and dirt with detergent solution before painting. Wash thoroughly with clean fresh water and dry. Paint remover is not recommended and should not be used. The affected areas are to be touched up by brush with a two-coat system of chlorinated rubber paint, allowing twenty-four hours between coats. The colour to be used is to be appropriate to the structure and is to be one of those listed below. Brushes are to be cleaned immediately after use with Stock No 0442/L59959 XYLOL, SV186, UI GL. Such emergency treatment should be followed at the first opportunity by the correct treatment at the dockyards.

5. These instructions are not intended to restrict the repainting of those parts of the radar aerials which do not affect electrical performance. When such repainting is carried out either by ships staff or dockyard, it would be done in consultation with the Electrical Officer (or Senior Electrical Branch rating on board) or, in the case of dockyards, the appropriate professional officers.

6. In no circumstances are radomes to be painted or otherwise treated than as specifically approved.

7.

Class	Catalogue		Description	UI	Acctg
	Number				Classn
0442	L59499		PAINT, BLACK, CHLORINATED RUBBER CR155	TI	C
0442	L59548		PAINT, GREY, CHLORINATED RUBBER CR156	TI	C
0442	L59590		PAINT, WHITE, CHLORINATED RUBBER CR151	TI	C

8. Navy Order 246/71 is hereby cancelled.

(400/1/291)

(Navy Order 246/71)

UNCLASSIFIED

191/74—Victualling Allowances and Fixed Issuing Prices for Provisions as from 1 April 1974

1. The price list for fresh fruit and vegetables which has operated from 1 January 1974, has been amended from 1 April 1974.

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 1974:

	Ashore	Afloat
	\$	\$
Messes of 50 or less victualled from a separate galley ..	1.10	1.13
All other messes of 300 or less messes separately ..	1.08	1.11
Messes of more than 300	1.06	1.09
Additional for ships and submarines deployed with the ANZUK Force	—	0.04
Supplementary 'Broadside' messing allowance for HMAS ANZAC and DIAMANTINA	—	0.01
HMAS COONAWARRA	1.12	—
HMAS TARANGAU and small craft (messes of 50 or less) under the operational control of COMPNGFOR	1.14	—
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 messes separately.

4. Navy Order 83/74 is hereby cancelled.

(901/66/11)

(Navy Order 83/74)

RESTRICTED

192/74—Wessex HAS 31B Pilot Qualification for Night A/S Sorties

1. To maintain operational efficiency and a high degree of safety for Wessex HAS Mark 31B night anti-submarine sorties, the following pilot training requirements are laid down.

General

2. No pilot is to fly a night anti-submarine sortie unless he has:
 - a. completed the Flight Control System Course in an A/S OFS; and
 - b. a current instrument rating (Wessex).

3. No pilot is to fly a night anti-submarine sortie as first pilot unless he has:
- flown at least one simulated night FCS3 training sortie; and
 - flown at least one night FCS3 training sortie as co-pilot.

Note: The sorties in 3 a. and b. are to have been flown with an experienced night anti-submarine pilot.

Continuation Training

4. All night anti-submarine qualified pilots are to be periodically checked for standardisation of techniques, procedures and flying accuracy. These check flights are to be carried out by a night anti-submarine qualified QHI at intervals not exceeding six months. If a QHI is not available, a suitably experienced night anti-submarine pilot is to be selected by the Squadron Commander to undertake these check flights.

5. All night anti-submarine qualified pilots are to review the following aspects of the FCS3 every three months. These revisions should be achieved during crewroom lecture/supervised discussion periods:

- procedures, drills and techniques;
- trouble shooting techniques and system; and
- malfuncions and corrective actions.

Monthly Flying Requirements

6. The following monthly minimum flying is to be achieved by all night anti-submarine pilots to maintain operational efficiency:

- Instrument flight, actual or simulated—four hours. (These hours may be achieved by using approved IF simulation during routine anti-submarine sorties.)
- Automatic transitions:
Day—twelve transitions.
Night—six transitions or two night A/S sorties.
- Night flying—two hours in addition to a.

Note: In the event of a pilot not maintaining these monthly minima, Paragraph 3 above will apply.

Refamiliarisation of Pilots

7. Prior to flying a night anti-submarine sortie, the following minimum training sorties are to be flown by all pilots who have not flown FCS Mark 3 procedure for a period in excess of three months:

- Day—one hour (six transitions).
- Day simulated IF—one hour (six transitions).
- Night—two hours (ten transitions).

Note: All sorties are to be flown with an experienced night anti-submarine qualified pilot. Mutual familiarisation is permitted.

Log Book Notations

- Pilots will log 'actual' instrument flying for all night FCS3 flying.
 - The first pilot will log the total 'actual' instrument flying carried out during a sortie. The co-pilot will log only the time that he was physically controlling the aircraft.

- All pilots will log the total number of transitions carried out during a sortie, categorising them as 'actual' or 'simulated'.
- Flight time is to be logged in accordance with Form OA141, Pilots Flying Log Book, Paragraph 10.

9. Navy Order 108/71 is hereby cancelled.

(N519/1/3)

(Navy Order 108/71)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

193/74—Microfilm—Implementation of Methods Report 105/72

1. The methods review of the procedures for the production, storage and EDP listing of microfilm aperture cards (Methods Report 105/72) has been completed. The Secretary and Directors-General have given approval to the recommendations and policy guidelines contained in the report.

- In general the recommendations and policy guidelines made were designed to:
 - improve and standardise procedures within the system;
 - upgrade microfilming facilities within Navy Office and Garden Island and Williamstown Naval Dockyards;
 - ensure all drawings produced for microfilming are to one standard;
 - ensure all card inputs and all cards within the system are to the one card format to facilitate machine handling and computer usage; and
 - to ensure aperture card holdings are kept up to date and reflect correct modification status.

3. The implementation of the recommendations in the report commenced on 11 February 1974. All microfilm users will be contacted to explain the services that the Microfilm Sections can provide and to discuss the procedures necessary to keep the microfilm card holdings up to date and to obtain maximum benefit from the system.

(178/1/391)

AMENDMENTS

UNCLASSIFIED

194/74—Post Allowance

Navy Order 163/74 is to be amended as follows:

Insert a new Paragraph 2. a.:

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

(252/4/335)

(Navy Order 163/74)

UNCLASSIFIED

195/74—Establishment of Command Personnel Services Office, East Australia Area

Navy Order 138/72 is to be amended as follows:

First sentence of Paragraph 14 is to be amended to read:

'In future sailors about to complete their engagements will be interviewed by Re-engagement Counsellors approximately twelve months and nine months before their current engagements expire. Sailors who have applied for elective discharge will be interviewed approximately nine months and three months before their discharges are due.'

(N186/1/11)

(Navy Order 138/72)

UNCLASSIFIED

196/74—Training and Promotion of Junior Officers of the General List

Navy Order 202/73 is to be amended as follows:

Delete Sub-paragraph 14a and insert new 14a:

	Academic			Maximum Credits	
Service Mathematics	6
Service Science	6
War Study	6
Practical English	4
Government	4
Mathematics Refresher, Term 9	3
Physics Refresher, Term 9	3
Applied Science, Term 9	3
Elective Subjects (4) 2 x 4	8
					43

(312/3/199)

(Navy Order 202/73)

AMENDMENTS

UNCLASSIFIED

19474—Post Allowance

Navy Order 18374 is to be amended as follows:
Insert a new Paragraph 2.4:
"A Post Allowance is fully taxable, if it is not subject to the same tax
terminus allowed for other overseas allowances."

(252/4332)

(Navy Order 18374)

UNCLASSIFIED

19574—Establishment of Command Personnel Services Office, East
Australia Area

Navy Order 13872 is to be amended as follows:
First sentence of Paragraph 14 is to be amended to read:
"In future sailors about to complete their engagements will be inter-
viewed by Re-engagement Councilors approximately twelve months and
nine months before their current engagement expires. Sailors who have
applied for discharge will be interviewed approximately nine
months and three months before their discharge, as due."

(0186/111)

(Navy Order 13872)

UNCLASSIFIED

19674—Training and Promotion of Junior Officers of the General List

Navy Order 20273 is to be amended as follows:
Delete Sub-paragraph 14c and insert new 14c:

Maximum Credits	Academic	
6	..	Service Mathematics
6	..	Service Science
6	..	War Study
4	..	Practical English
4	..	Government
3	..	Mathematics Retresher, Term 2
3	..	Physics Retresher, Term 2
3	..	Applied Science, Term 2
3	..	Essays Subject (4) 2 x 4
—	..	
43		
—		

(012/3199)

(Navy Order 20273)

AIR STORES - ALLOWANCES OF LIFERAFTS AND SURVIVAL PACKS

Ship/Squadron/Establishment	Equipment													
HMAS MELBOURNE	4220-00-034-0999 Special Soft Pack	4	2	6	1			4	4			2	4	
HMAS ALBATROSS	1660-00-089-7132 R.SSK.8A	4	1	6	1	2	2	4	4	2	2	3	4	
HMAS MORESBY	4220-00-118-6122 Liferaft LRI													
	4220-00-058-8864 Liferaft Mk 4													
	4220-00-726-0424 Liferaft LRU 3/P													
	4220-00-027-1297 Survival Pack A3													
	270-158031 Helicopter PSP Nowra							1	1					
	270-9007617 Liferaft SS Mk 5							2	2	1	1			
	270-9497567 Liferaft MS5 Mk3									1*	1*			
	4220-99-949-7569 Valise for MS5 Mk3									1	1			
	150-397 Container Type G													
	4220-99-949-7567 Liferaft MS5 Mk 3 (MOD)													
	4220-66-048-4938 Liferaft MS26UA													
	4220 MRI RFD 402 Container for MS26UA													
HT-723	Allowance per Aircraft - UH-1B							2	2					
	" Bell 206B-1							2	2					
	Allowance per Squadron for SAR									1	1			
VC-724	Allowance per Aircraft - TA4G		2	2										
	" - A4G		1	1										
	" - Macchi					2	2							
HT-725	Allowance per Aircraft - Wessex							4	4					
	Allowance per Squadron for SAR									2	2			
VC-851	Allowance per Aircraft - Tracker	4		4	1									
	" - HS748												1	1
VS-816	Allowance per Aircraft - Tracker	4		4	1									
VF-805	Allowance per Aircraft - A4G		1	1										
HS-817	Allowance per Aircraft - Sea King or							4	4					
	Wessex							4	4					
	Allowance per Squadron for SAR									2	2			

* For Embarked OPS

D NLS

ANO 197/74



AUSTRALIAN NAVY ORDER

CONTENTS

19774 Department of Service Pay and Pensions

Navy Office, Canberra,

24 June 1974.

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 ORDER

- 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 4720.

Section 2 PERSONNEL

UNCLASSIFIED

197/74—Determination of Service Pay and Financial Conditions of Service

1. This Order makes the arrangements for the determination of service pay and financial conditions of service for members of the Defence Force.

2. These new arrangements will apply to the permanent members of the Defence Force on an ordinary basis from 1974. The arrangements proposed also provide for the determination of the financial conditions of service for members of the Defence Force on a temporary basis and other special conditions of service, and also for the determination of the financial conditions of service for members of the Defence Force on a special basis.

CONTENTS

No	Title
----	-------

SECTION 2—PERSONNEL

197/74 Determination of Service Pay and Financial Conditions of Service.

3. The independent working body referred to in Paragraph 2 above is to be known as the Committee of Reference for the Defence Force. It is to be composed of 10 members, 5 of whom shall be appointed by the Government and 5 shall be appointed by the Defence Force. The Committee shall be known as the Committee of Reference for the Defence Force.

- Mr Justice T. A. Egan, JFC and Vice-Chancellor, Deputy President of the Commission and Arbitration Commission.
- Mr Denis Robert E. G. Murray, Chairman and Director, Commission.
- Mr Ronald Dr. Alan Marshall, CBE, CB, Senior Chief of the Air Staff.

4. The Committee shall make recommendations to the Government on the matters referred to in the Section. However, if a case where a recommendation has been made to the Government, the Chief of Naval Personnel may refer it to the Committee. The referral of a matter to the Committee under this Section to the Chief of Naval Personnel will normally be preliminary and advisory. The Committee's recommendations will be subject to approval by the Government.

5. It is important to note that the Committee will only make recommendations to the Government and that the ultimate decision on pay and financial matters will remain with the Government. The Committee's recommendations will be published, although, as far as possible, the Government will endeavour to ensure that the Committee's recommendations will be made within 60 days after the recommendations have been forwarded to the Minister for Defence. If the Government declines to accept the Committee's recommendations it will publish a statement to explain the reasons.

Other Committees and Organisations

6. In addition to the Committee of Reference for the Defence Force there are to be a separate Reference Committee for the Department of Defence and each of the Service Offices.

Section 2

PERSONNEL

UNCLASSIFIED

197/74—Determination of Service Pay and Financial Conditions of Service

1. This order outlines the administrative arrangements, set up by the Government, to investigate and recommend rates of pay and other financial conditions of service for members of the Defence Forces.

2. These new arrangements result from the Government's decision to recognise the Defence Forces as an industry in their own right. The Government recognised also that industrial expertise of the highest order was required to examine all the factors involved in determining service pay and other financial conditions of service, and that there was a need for the Services to have access to an independent, objective and impartial body, which would make recommendations to the Government on important matters of pay and financial conditions of service.

Committee of Reference for Defence Forces Pay

3. The Committee of Reference for Defence Forces Pay has been set up and is the independent standing body referred to in Paragraph 2 above. It is supported by its own expert staff, and will meet as required to make recommendations on matters referred to it. It will be asked to deal with questions which are usually dealt with, for other Government employees, by formal negotiation or arbitration. Members of the Committee are:

Mr Justice P. A. Coldham, DFC and Bar—Chairman, Deputy President of the Conciliation and Arbitration Commission

Mr Commissioner E. G. Deverall, Conciliation and Arbitration Commission

Air Marshal Sir Alister Murdoch, KBE, CB, former Chief of the Air Staff.

4. Normally the Committee will make recommendations only on matters referred to it by the Minister for Defence. However, in a case where unsuccessful efforts have been made to resolve a matter otherwise, the Chief of Naval Personnel may refer it direct to the Committee. The referral of a matter to the Committee (either by the Minister or the Chief of Naval Personnel) will normally be promulgated and individual servicemen and servicewomen will have the right to correspond direct with the committee to put their views on the matter.

5. It is important to note that the Committee will only make recommendations to the Government and that the ultimate decision on pay and associated matters will remain with the Government. The Committee's recommendations will be published, although, to allow time for the Government to make its decision, publication will normally not be made earlier than thirty days after the recommendations have been forwarded to the Minister for Defence. If the Government declines to accept the Committee's recommendations it will publicly announce its reasons for rejection.

Other Committees and Organisations

6. In addition to the Committee of Reference for Defence Forces Pay there are:

- separate Industrial Branches in the Department of Defence and each of the Service Offices;

b. two committees (one senior to the other) within the Department of Defence concerned with examining matters affecting pay and conditions of service. The established procedures provide that:

- (1) a Service Industrial Branch can put proposals to the Department of Defence Industrial Branch which may accept the proposal, recommend its acceptance by the Minister for Defence, or refer it to the junior of the two committees;
- (2) the junior committee may accept the proposal, recommend its acceptance by the Minister for Defence, or refer the matter to the senior committee. The latter, in turn, may accept the proposal, recommend its acceptance by the Minister for Defence or recommend that it be referred to the Committee of Reference for Defence Forces Pay;
- (3) the Chief of Naval Personnel (or his equivalent in the other Services) may also refer a matter to the Committee of Reference for Defence Forces Pay in the circumstances outlined in Paragraph 4 above.

The more important or contentious issues will be dealt with by the senior committee. If they recommend that such an issue be referred to the Committee of Reference for the Defence Forces Pay, the decision will be taken, as indicated in Paragraph 4 above, by the Minister for Defence.

7. Serving personnel are members of all these committees and branches which are described in detail at Annex A.

General

8. A Service member may raise a matter concerning pay or financial conditions of service for forwarding to Navy Office through the usual Service channels. Such submissions are to be forwarded expeditiously. In Navy Office they will be dealt with by the Directorate of Naval Industrial Policy by either developing the case further for submission to Defence or, if after examination it is seen that no case exists, replying to the originator to this effect and giving reasons for its rejection.

9. Annex A gives details of the interdepartmental committees and of the branches in the Department of Defence and Service Offices which deal with pay and financial conditions of service. Annex B illustrates the procedures by which matters under investigation are dealt with by these various committees and branches.

ANNEX A

Department of Defence and Navy Office Branches and Committees Which are Concerned With Pay and Financial Conditions of Service

Directorate of Naval Industrial Policy—Navy Office

1. The Directorate of Naval Industrial Policy operates within the organisation of the Director-General of Personal Services under the Chief of Naval Personnel. The Director (DNIP) is of Captain's rank and has a staff of naval and civilian officers experienced in industrial matters to maintain a continuous review of all matters affecting pay and the financial conditions of service of naval personnel.

Defence Forces Industrial Branch—Department of Defence

2. The Defence Force Industrial Branch (DFIB) is that section of the Department of Defence which has the responsibility of developing a comprehensive and constructive wages policy for members of the Armed Forces. Proposals from the Service officers are examined and dealt with by DFIB. Service personnel, both officers and sailors, are posted as members of this branch.

ANNEX A—continued

The Defence Conditions of Service Steering Committee

3. This is a sub-committee of the DCSC (*see* Paragraph 4) and is responsible for examining questions of pay and associated matters on behalf of the DCSC. It deals with the less important matters and makes recommendations to the DCSC on important matters. Its members include representatives of the Departments of Defence and Treasury and of the three Service offices. The Director-General of Personal Services and the Assistant Secretary Naval Personnel are the naval representatives on this committee.

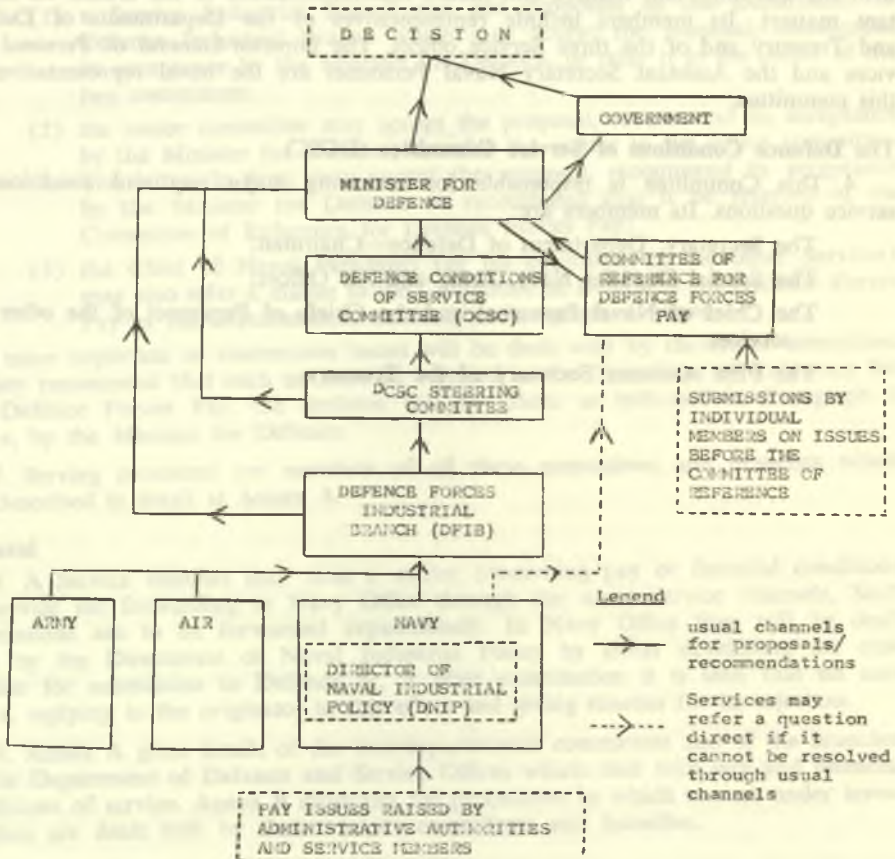
The Defence Conditions of Service Committee (DCSC)

4. This Committee is responsible for reviewing major pay and conditions of service questions. Its members are:

- The Secretary, Department of Defence—Chairman;
- The Special Deputies Navy, Army and Air Offices;
- The Chief of Naval Personnel and the Chiefs of Personnel of the other two services;
- The First Assistant Secretary of the Treasury.

ANNEX B

Flow Chart of the Decision Making Process for Pay and Financial Conditions of Service Matters



(252/1/156)

ANNEX A

Department of Defence and Navy—Office Branches and Committees which are concerned with Pay and Financial Conditions of Service

Directorate of Naval Industrial Policy—Navy Office

1. The Directorate of Naval Industrial Policy operates under the supervision of the Director-General of Naval Services under the Chief of Naval Personnel. The Director (DNIP) is of course responsible for a staff of naval and defence officers appointed to industrial matters to provide a continuous range of all matters affecting pay and the financial conditions of service of naval personnel.

Defence Forces Industrial Branch—Department of Defence

2. The Defence Forces Industrial Branch (DFIB) is that section of the Department of Defence which has the responsibility of developing a comprehensive and continuous wage policy for members of the Armed Forces. Proposals from the Service

DNLs

RESTRICTED

ANOs 198/74-209/74



AUSTRALIAN NAVY ORDERS

198/74 Safety Management System—General
199/74 Safety—Storage of Clothing, Messengers, etc. (1974) (1974) (1974) (1974)

SECTION 2—PERSONNEL

200/74 Issues—Yacht—Sailing—Yacht—General
201/74 Request for Information—Yacht—General
202/74 Yacht to United Kingdom—General

Navy Office, Canberra,
28 June 1974.

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

By direction of the Naval Board,

203/74 Training and Control in ER—General

SECTION 4—SHIPMENT, STORAGE AND SALVAGE

204/74 Degrading Agents—General
205/74 "Mass Gear" Replacement—General

AMENDMENTS

206/74 Safety Measures for Use by Underway Replacement Crews on the RAN
207/74 Storage of Gear in RMA Ships
208/74 Navy List

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

RESTRICTED

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

198/74—Safety Precautions—Electricity

CONTENTS

No Title

SECTION 1—ADMINISTRATIVE AND GENERAL

- 198/74 Safety Precautions—Electricity.
199/74 Safety—Wearing of Clothing Manufactured from Textiles Containing Man-made Fibres.

SECTION 2—PERSONNEL

- 200/74 Income Tax—Section 79B—Overseas Locality Allowance.
201/74 Requests for Information Concerning the Movements of Naval Personnel and Their Personal Details.
202/74 Visits to United Kingdom, United States and Other Foreign Countries' Activities and Facilities.

SECTION 3—OPERATIONAL AND TRAINING

- 203/74 Electric Shock Emergency Treatment—Training.
204/74 Survival at Sea—Liferaft and Helicopter Winching Demonstrations for Ships in Jervis Bay.
205/74 Training and Courses in UK—Personnel Records and Security Certificates.

SECTION 4—EQUIPMENT, STORES AND SERVICING

- 206/74 Degreasing Agents—General Instructions and Precautions for Use.
207/74 Mess Gear Replacement Allowance.

AMENDMENTS

- 208/74 Safety Helmets for Use by Underway Replenishment Crews in the RAN.
209/74 Stowage of Beer in HMA Ships.
216/74 Navy List.

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 4720.

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

198/74—Safety Precautions—Electricity

1. A ship maintainer received a severe electrical shock whilst attempting repairs to an inadequately protected vacublast machine which had been connected to the electrical supply by a private contractor.

2. The inadequacy of protection is shown in the diagram at Annex A.

3. Errors highlighted in the connection of the vacublast machine were:

- a. the vacublast machine was originally connected without a means of ready disconnection from the supply, as well as being without protection;
- b. after the accident occurred, 100 ampere fuses were installed which still gave inadequate protection to the user and the maintainer of the machine;
- c. the vacublast machine was supplied by RAN Dockyard and therefore should have been maintained by the Dockyard and not Ship's Staff;
- d. the machine should have been wired into a ship sub-board thereby giving adequate protection, for the user and the maintainer, by switches and correctly rated fuses;
- e. Ship's Staff should have had the omissions corrected before allowing ship personnel to use the vacublast machine.

4. The attention of all Commanding Officers is drawn to the above incident. Instructions are to be incorporated in Ship's Electrical Standing Orders stating that adequate safety devices are to be fitted for all temporarily connected electrical equipments and that it is the ship maintainer's responsibility to ensure that adequate protective devices are fitted before allowing use of any electrical equipment by ship personnel.

5. This order does not approve the connection of unauthorised electrical equipments.

6. Maintenance of dockyard machinery is only to be undertaken by dockyard personnel except in an emergency.

Approved: _____
 Director General
 Department of Defence
 Canberra

198/74

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198/74 Ship's Staff—Maintenance—Electricity

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198/74 Ship's Staff—Maintenance—Electricity—Vacublast Machine

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SECTION 4—EQUIPMENT, STORES AND SERVICING

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198/74 Ship's Staff—Maintenance—Electricity—Vacublast Machine

ANNEXES

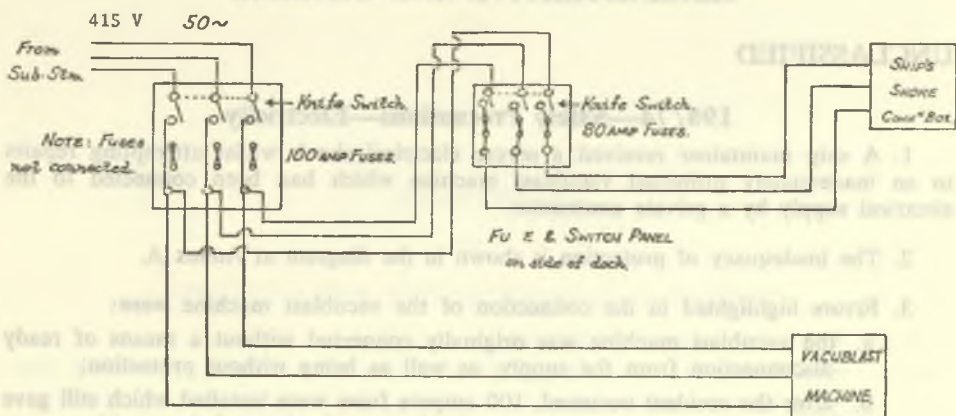
198/74 Ship's Staff—Maintenance—Electricity—Vacublast Machine

198/74 Ship's Staff—Maintenance—Electricity—Vacublast Machine

198/74 Ship's Staff—Maintenance—Electricity—Vacublast Machine

ANNEX A

Shore Power Connection to Vacublast Machine



SHORE POWER CONNECTION TO VACUBLAST MACHINE

(N1900/2/1)

UNCLASSIFIED

199/74—Safety—Wearing of Clothing Manufactured from Textiles Containing Man-made Fibres

1. Although specific instructions prohibiting the wearing of nylon clothing next to the skin have been issued to aircrews, the increasing availability of garments made from textiles containing man-made fibres, eg, nylons, polyesters, etc, makes it necessary to warn all personnel of the burn hazard associated with wearing clothing of this nature.

2. Serious injuries can result when man-made fibres are worn next to the skin and the subject is exposed to excessive heat, both directly or indirectly or to direct electrical discharge.

3. Such burns are not the prerogative of aircrew. A senior electrical maintenance sailor received serious injuries when his nylon socks melted on his receiving an electric shock, the nylon burn damage proving far more serious than the shock.

4. The attention of all personnel is drawn to this hazard.

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

6. Navy Order 175/71 is hereby cancelled.

(177/1/53)

(Navy Order 175/71)

Section 2

PERSONNEL

UNCLASSIFIED

200/74—Income Tax—Section 79B—Overseas Locality Allowance

1. Section 79B of the Income Tax Assessment Act authorises a special deduction for members of the Defence Force who serve at certain overseas localities. The maximum amount of the special deduction is \$540 plus half the sum of the income tax deductions to which a member is entitled for the maintenance of his dependants. The maximum deduction is only available if a member spends more than one half of the year of income in a declared locality. For any shorter period, a proportionate amount of the maximum deduction is available, calculated on the basis of the time actually spent in a declared area during the year of income.

2. The areas which have been defined for the purpose of Section 79B are as follows:

- a. Malaysia, Brunei and contiguous waters to a distance of one hundred nautical miles seaward of the coast;
- b. Singapore;
- c. Thailand;
- d. Vietnam (Southern Zone) and waters to a distance of one hundred nautical miles seaward of the coast; and
- e. Indonesia.

3. The periods for which eligible members are entitled to claim the concession under Section 79B will be shown on taxation group certificates as 'Overseas Locality' followed by the period or the number of days. The amount to be claimed on the return of income is calculated in the following manner:

$$\frac{\text{Number of days in Overseas Locality (obtained from group certificate)}}{182 \text{ (ie, number of days in half year)}} \times \left. \begin{array}{l} 540 + \frac{1}{2} \text{ of the} \\ \text{deductions allowed for} \\ \text{dependants.} \end{array} \right\}$$

4. In the normal course of events eligible personnel are those who serve in ships attached to the ANZUK Force. However, as a concession under Section 79B is applicable when service in a prescribed area is a matter of fact and is not dependent on being allocated or posted to the area, it follows that members with service in any HMA ship which operates in a prescribed area are eligible to claim the concession.

5. In order that Navy Office records of service by members in prescribed areas may be kept up to date, Commanding Officers of ships are to report by signal for the information of the Director of Navy Accounts, dates of arrival at and departure from prescribed overseas localities and the number of days served in prescribed areas.

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

7. Navy Order 298/73 is hereby cancelled.

(Navy Order 298/73)

(271/1/75)

UNCLASSIFIED

201/74—Requests for Information Concerning the Movements of Naval Personnel and Their Personal Details

1. Considerable publicity recently has been given to the collection of personal particulars for use by various unofficial agencies. A recent press article inferred details of sailors postings could be readily obtained 'at a price'.

2. Whilst such information is not classified it is nevertheless official information within the meaning of the Crimes Act and must not be divulged to an unauthorised person.

3. Information concerning Naval personnel movements and other personal details, if in the wrong hands, could cause unnecessary embarrassment or concern to both a serviceman and his family. It could also be used for subversive purposes.

4. All personnel, Service and civil, having access to Naval personnel records are to ensure that requests for personal details of officers and sailors are passed through the proper official channels and not released to unidentified unauthorised inquirers.

5. Navy Order 329/71 is hereby cancelled.

(N465/1/5)

(Navy Order 329/71)

RESTRICTED

202/74—Visits to United Kingdom, United States and Other Foreign Countries' Activities and Facilities

1. All requests for visits for RAN and civilian personnel are required to be channelled through ANRUK, Australian Naval Attache (Washington) or through Defence or Naval Attaches where appropriate. Requests are required to be submitted so that they arrive at least six weeks in advance of normal visit dates or at least nine weeks in advance where visits to Defence Communications/electronic organisations are concerned.

2. The fullest possible information is to be furnished with all requests for visits. Sponsors of visits to the USA/UK and areas to which ANA (W), ANRUK or other Australian Defence/Naval Attaches are accredited are reminded that it is most helpful for representatives overseas to be given a clear account of the purpose of the visit. Such representatives are not always expert in the complete range of Naval/Defence business and abbreviated explanations of the purpose of visits can cause misunderstanding. In this regard it is pointed out that for such requests the UK and the US policies allow only those subjects specified to be discussed. Briefings and or discussions are not extended to peripheral items. Where briefings are requested on broad topics only, the briefings given will be broad and couched in lay terms. This policy normally applies to other foreign countries.

3. Administrative Authorities who are concerned with arrangements for personnel to make such visits overseas are to forward to the Department of Defence (Navy Office), as soon as possible, the information as set out in Annex A to this order. Failure to carry out this procedure may result in the curtailment or cancellation of all or part of the visit.

4. This order does not apply to operational visits by HMA ships or to training and courses in the UK.

5. Navy Order 325/73 is hereby cancelled.

ANNEX A

Visits to United Kingdom, United States and Other Foreign Countries' Activities and Facilities

1. Information required by Department of Defence (Navy Office). To be classified according to content:

1. Full name
2. Rank/Grade
3. Date of birth
4. Home address
5. Full details of academic attainments
6. Supporting organisations
7. Place/s to be visited (full details of address, etc)
8. Names of persons to be interviewed if known
9. Purpose of visit (to be stated as fully as possible and to include the 'need to know')
10. Fields of interest
11. Time they wish to devote to each aspect
12. Type of establishment they would like to visit
13. Date and duration of the visit (give exact date if known or earliest visit likely, plus overall period)
14. Security clearance
15. Whether or not they wish the Embassy to make accommodation requirements.

(N1900/2/1)

(Navy Order 325/71)

Section 3

OPERATIONAL AND TRAINING

UNCLASSIFIED

203/74—Electric Shock Emergency Treatment—Training

1. A fatal accident occurred in which a sailor was electrocuted.

2. The attention of all Commanding Officers is drawn to the need for ensuring that all personnel, particularly those whose duty requires them to use or service high powered transmitters, are conversant with and trained in the correct emergency treatment of electric shock.

3. All personnel using or servicing high powered transmitters are to carry out at least once each year, evolutions, using an AMBU model, under the supervision of an approved instructor; ie, an LSMED or above, in the management of electrocuted persons.

4. AMBU models and suitable instruction are available at:

HMAS ALBATROSS
HMAS PENGUIN
HMAS CERBERUS
HMAS MELVILLE
HMAS HARMAN.

5. Navy Order 231/71 is hereby cancelled.

(N1900/2/1)

(Navy Order 231/71)

UNCLASSIFIED

204/74—Survival at Sea—Liferaft and Helicopter Winching Demonstrations for Ships in Jervis Bay

1. Experience gained in giving liferaft and helicopter demonstrations, as prescribed in RI Article 2909, Paragraph 3, has enabled a standard demonstration to be evolved for ships in Jervis Bay.

Demonstration Team

2. The helicopter winching demonstration will be preceded by a forty minute lecture on board the ship by a team consisting of:

- a. Safety Equipment Maintenance Officer, HMAS ALBATROSS
- b. CPOSE
- c. POSE
- d. LSSE
- e. ABSE.

The team will demonstrate the liferaft and its equipment and discuss the various techniques and equipment used in helicopter winching. Three volunteers from the ships company will be briefed to enter the liferaft to be winched.

Equipment Demonstrated

3. Space is to be made available on board to display the following equipment which will be provided by the team:

- a. one raft of the type carried in the ship;
- b. one helicopter winch strop;
- c. one double lift harness;
- d. two pattern 50N lifejackets;
- e. two No 1 Mark 1 Night and Day Flares;
- f. one Mark 79 Mod 0 Flare Kit;
- g. one SARBE Mark 3;
- h. one ICARUS Parachute Flare.

Helicopter Winching Demonstration

4. Winching from the liferaft will be carried out by one of two methods, depending on the wind:

- a. in light or no wind conditions the raft will be towed into a position approximately seventy metres abeam the forecastle port side and released;
- b. in medium winds the raft will be maintained in a position approximately seventy metres abeam the forecastle port side by the towing boat.

5. After being winched from the raft the volunteers will be winched down to the normal helicopter personnel transfer position. In the case of minesweepers and smaller vessels they will be winched into the towing boat before returned to the ship.

6. During the demonstration, which lasts about twenty minutes, the SEMO will give an explanatory commentary.

7. The towing boat will normally be provided by HMAS CRESWELL, but on occasions ships may be asked to provide this facility.

Notice Required

8. One weeks notice is required to programme a demonstration. Application should be made by signal or, preferably, by letter to the Commanding Officer, HMAS ALBATROSS.

9. Navy Order 136/71 is hereby cancelled.

(1624/2/31)

(Navy Order 136/71)

RESTRICTED**205/74—Training Courses in UK—Personnel Records and Security Certificates****Naval Personnel**

1. When personnel are appointed or posted to the United Kingdom for courses or training, action is to be taken by the ship or establishment in which the member is serving to ensure that:

- a. medical and service documents are forwarded to reach the Australian Naval Representative, United Kingdom (ANRUK), at least three days prior to the commencement of the course or commencement of training; and
- b. pay account cards are forwarded to reach ANRUK by the time the officer or sailor arrives in the UK. Where a member travels by air his pay account card should be handed to him prior to his departure from Australia and kept readily available either on his person or in hand baggage carried.

2. In addition security clearance Form KE104 (1973) is to be completed in respect of all trainees before their departure for the United Kingdom.

3. Part 1 of Form KE104 is to be completed by the ship or establishment in which the member is serving and two copies are to be forwarded to the Special Deputy (Navy Office), Department of Defence, Canberra, ACT, to reach Navy Office at least eight weeks prior to the date of commencement of the course or training. Personnel whose period of training is to be three months or more with the RN will be issued with an RN Identity Card. Two photographs of these personnel are to be forwarded to Navy Office with the Forms KE104. Photographs are to be of the passport type measuring 1½ inches square, showing head and shoulders, and below, a standard name plate bearing the initials and surname. Personnel are to be photographed in uniform, without caps, against a height scale.

4. Part 3 of Form KE104 includes security undertakings relating to the safeguarding of classified information received by the trainee in the course of training overseas. Before these undertakings are signed by a representative of the Special Deputy (Navy Office), Department of Defence, it is necessary to ensure that the trainee is aware of his obligations to safeguard the information. The trainee is therefore to be briefed by the ship or establishment security officer and is to sign the statement at Part 2 of the Form KE104.

Civil Personnel

5. Form KE104 is also to be used in the case of civil personnel proceeding to the United Kingdom to attend military courses. The form is to be completed by the appropriate administrative authority and the trainee and two copies forwarded to the Special Deputy (Navy Office), Department of Defence, Canberra, ACT.

6. Form KE104 is available on demand from SVSO, Sydney. Demands should be restricted to twelve months requirements.

7. Navy Order 130/72 is hereby cancelled.

(455/10/1)

(Navy Order 130/72)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

206/74—Degreasing Agents—General Instructions and Precautions for Use

1. The use in the RAN of Trichlorethylene 0473/4981 as a degreasing agent is to continue. General instructions and precautions for its use are detailed in this order.

Trichlorethylene

2. Trichlorethylene is a toxic substance, and must be used only under well ventilated conditions and where specified in the relevant instruction book. Trichlorethylene must not be used for general cleaning: white spirit, kerosene, or non-toxic cleaners are to be used for this purpose.

3. Commercial trichlorethylene for use in degreasing is sold under a variety of trade names. For metal degreasing, it is normally used in plant specially designed for the purpose and its use should be confined to such plant. It should not be used as a casual cleansing agent except under careful supervision in the open air or in a properly ventilated compartment. The vapour is poisonous and harmful. If inhaled in small quantities it can cause drowsiness, which may pass off in the fresh air. In larger quantities it may cause unconsciousness. The liquid is irritating to the eyes and may harm the skin by removing the natural skin greases.

4. ICI Ltd, which manufactures both solvents and cleaning plants, has drawn attention to the probability of hazardous conditions arising if items treated with kerosene, white spirit or light fuel oil are subsequently cleaned with trichlorethylene vapour.

5. The major risk is due to the possibility of fire occurring in the trichlorethylene vapour degreasing plant under certain conditions with attendant possibilities of increased solvent losses and associated toxic hazard. ICI point out that as chlorinated solvent is lost from an operating plant by evaporation or during solvent recovery operations and, as the concentration of removed light oil, etc, increases, it is possible for flammable mixtures to be present in the sump. Thus the plant will require more frequent cleaning in order to limit the proportion of flammable solvent in the vapour.

6. The attention of all personnel concerned with the operation of trichlorethylene cleaning plants is to be drawn to the warning and supervisors are to ensure that the manufacturers instructions are followed scrupulously, particularly with regard to cleaning the plant and safety regulations.

7. The following publications will be amended:

BR 1692 (The Storehouse Manual).

DEF 1234A (Production Requirements for Service Packaging).

Storage and Issue

8. The store from which the trichlorethylene is to be issued must be well ventilated. The container carries a warning notice drawing attention to the poisonous nature of the vapour. A notice board warning that the vapour given off is poisonous is to be placed in the store in a position which can easily be read by the user. When supplied in metal drums, storage should be cool and exposure to direct sunlight avoided. When stored in bottles, dark glass type should be used.

9. Trichlorethylene for use in vapour degreasing baths should not be stored for more than one 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 year of the date of manufacture, as shown on the container, is to be tested in accordance with the procedure contained in BS 1133, Section 6 (1953), Clause 5C. Samples for test should be sent to the Dockyard Laboratory at Garden Island or Williamstown Dockyard. On receipt of advice that the solvent has passed test, the date of test is to be painted on the container, and the contents issued by that time is to be re-tested, as above, and if passed for use, the date of the latest test endorsed on the container.

Siting and Working of the Plant

- 10 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 ten 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.
- h. The plant requires frequent cleaning to limit the proportion of flammable solvent in the vapour where 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 trichlorethylene. 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.

AMENDMENTS

UNCLASSIFIED

208/74—Safety Helmets for Use by Underway Replenishment Crews in the RAN

Navy Order 81/74 is amended as follows:

- a. Delete Paragraph 4.
- b. Amend Annex A by inserting 'LCH' in the 'Ship' column after 'FLINDERS' and inserting allowances as for PTF.

(N452/1/2)

(Navy Order 81/74)

UNCLASSIFIED

209/74—Stowage of Beer in HMA Ships

Navy Order 194/73 is to be amended as follows:

Paragraph 2:

Amend quantity shown for Ton Class to read 30 dozen, and Attack Class to read 20 dozen.

(1211/51/885)

(Navy Order 194/73)

UNCLASSIFIED

216/74—Navy List

Due to the extensive amount of alterations, together with production delays experienced by the contractor, the first issue of the 1974 Navy List will not now be available until mid-September.

(469/1/98)

Navy Orders 129/71 to 225/71 are now over three years old, and may be disposed of accordingly.

AMENDMENTS

UNCLASSIFIED

208/74—Salary Schedules for Liaison by Underway Replenishment Crews in the RAN

Navy Order 21174 is amended as follows:

a. Delete Paragraph 4.

b. Insert Annex A by inserting "C" in the 2nd column after "FINDER" and inserting "allowance" in the 1st column.

(10074/17)

(Navy Order 21174)

UNCLASSIFIED

208/74—Stowage of Boats in HMA Ships

Navy Order 19473 is to be amended as follows:

Paragraph 2

Amount quantity shown for Ton Crew to read 30 hours and 22000
Crew to read 30 hours.

(1211/31/88)

(Navy Order 19473)

UNCLASSIFIED

216/74—Navy Liaison

Due to the extensive amount of alterations together with production delays experienced by the contractor, the first issue of the 1974 Navy Liaison will not now be available until mid-September.

(1400/1/88)

Navy Orders 129/71 to 125/71 are now over three years old, and may be disposed of accordingly.

RESTRICTED

RESTRICTED

RESTRICTED

DNLS

ANOs 210/74-215/74



AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
10 July 1974.

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 4720.

ADMINISTRATIVE AND GENERAL

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No Title

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- 210/74 Australian Naval Aircraft Modification Committee—Composition and Terms of Reference.
- 211/74 Safety Communications Procedures for Minor War Vessels.

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- 212/74 Defence Credit Unions.
- 213/74 Rothmans National Sport Foundation.

SECTION 4—EQUIPMENT, STORES AND SERVICING

- 214/74 River Class DEs—Y100 and Y136 Main Boilers, Economisers.

AMENDMENTS

- 215/74 Post Allowance.

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

**210/74—Australian Naval Aircraft Modification Committee—
Composition and Terms of Reference**

1. The Australian Naval Aircraft Modification Committee (short title ANAMC) will be under the Chairmanship of the Director of Aircraft Engineering (DAE) and will convene at intervals in accordance with the volume of business, and in any case at intervals not exceeding one month.

2. The ANAMC is the authority in the RAN on all questions concerning modifications to aircraft including pilotless target aircraft and their ground control, air technical equipments (including aircraft weapons systems, and armament stores insofar as the may affect aircraft performance, services, or mounting, flying clothing and safety equipment), and associated ground handling and support equipments, including simulators, training aids and test equipments (except Common Range Electrical Test Equipment). The decision of the ANAMC is the prerequisite for action by Divisions and Branches within the relevant delegations and availability of funds.

3. Proposed variations to the Build Standard of RAN Aircraft or Air Equipment which affect the tactical employment of the aircraft will be referred to the Staff Requirement Committee (SRC) and Naval Board for approval of the requirement and consideration of funding arrangements prior to ANAMC classification. Other proposed variations which do not affect the tactical employment of the aircraft but are estimated to exceed an overall cost of \$40,000 or the trial installation for which is estimated to exceed \$10,000 will be submitted to the appropriate Board members as a Minor Item Submission for approval of the requirement and consideration of funding arrangements prior to ANAMC classification.

4. The ANAMC will examine and review all proposals for modifications to RAN aircraft and aircraft equipments and their associated ground support equipments including simulators, training aids, ground handling and test equipment (except Common Range Electrical Test Equipment).

5. The modification of RAN aircraft and air technical equipment is the procedure for altering the specifications, processes or design drawings as defined by the Design Certificate Standard recorded in the Acceptance Standard of the Master Reference Index or Drawing Introduction Sheet. The procedures are laid down in the publication 'Instructions for the Administration Accounting, Modification and Overhaul of Aircraft, Power Plants and Engines'—AP (RAN) 102.

6. The ANAMC will decide which modifications are to be adopted and classify them according to their operational importance, urgency and maintenance requirement. In cases of urgency a modification may be adopted ex-committee. In such cases verbal agreement is to be reached between DAE, DNAP and the Supply Director concerned and the decision ratified at the next ANAMC meeting. The ANAMC will also determine the methods and time scale for the implementation of the agreed decisions and consider such relevant aspects as reliability, maintainability, spares

support, training and amendment of publications. The ANAMC will monitor progress of the preparation of modification leaflets, the procurement of modification kits and issue of the MODAV message indicating their availability, the amendment of operating, maintenance and spares manuals and the embodiment into equipments.

7. The ANAMC will decide the number of modification sets required and the decisions recorded in the minutes are the instruction to the appropriate Supply Director to take necessary action, within his financial delegation, to place orders for sets. Directors on whose votes expenditure on approved modifications is borne, will obtain approval in the normal course for expenditure of money in those instances where the amount involved exceeds their delegation.

8. The ANAMC will authorise all trial installations. Where the overall cost of the trial installation is estimated to exceed \$10,000, prior approval of higher authority is to be sought as stated in Paragraph 3 above.

9. The permanent members of the ANAMC are:

- DAE (Chairman)
- SAMR
- SAMR staff as nominated
- DNAP or his representative
- DNAS or his representative
- DVGS or his representative
- CAVO to FOCEA (as adviser).

Other specialist officers may be co-opted when required.

(8/252/102)

UNCLASSIFIED

211/74—Safety Communications Procedures for Minor War Vessels

1. Patrol boats, LCHs and other small vessels, by nature of their functions, spend considerable periods at a distance from their Operating Authority in waters which are potentially more hazardous than those used by other Fleet units. 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 in lieu of those at present laid down in RANOP Articles 0110, 0111 and 0120, which will be amended in due course:

- a. Minor war vessels' daily PIMs 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 address of the check report is to be the same as for the PIM and consist of the single word 'CHECK' in the text.
- c. Precedence of PIM and check reports is to be 'IMMEDIATE'.
- d. A minor War Vessels Communications Check Procedure (MINCHECK) will be instituted as detailed at Annex A.

ANNEX A

Minor War Vessels Communications Check Procedure (MINCHECK)

1. If an Operating Authority has not received the appropriate report by 1000Z in the case of a PIM, or 0200Z in the case of a CHECK report, he is to initiate MINCHECK by IMMEDIATE signal to NAVCOMMSTAs Canberra and Darwin, Adjacent Area Commanders, COMAUSFLT, COMAUSLANCRON ONE, COMAUSMINPABFOR and DEFNAV Canberra. NAVCOMMSTAs 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.

3. The MINCHECK signal should contain as the first words of the text 'MINCHECK.....(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 the working day to avoid loss of daylight hours spent in contacting personnel involved.

5. Strict adherence to the above procedures is mandatory in the avoidance of false alarms.

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. Ships 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.'

(N114/1/3)

Section 2

PERSONNEL

UNCLASSIFIED

212/74—Defence Credit Unions

1. Approval has been given for the formation of Defence Credit Unions, subject to the conditions and general principles outlined herein.

2. A Credit Union is a co-operative organisation formed by persons having a common bond of employment or association, registered and supervised in accordance with State law, for the purpose of encouraging habits of thrift and, from the funds so accumulated, providing members with a source of credit at reasonable rates of interest. The Credit Union movement aims to promote savings, a spirit of self-reliance, mutual help by way of loans at reasonable rates of interest, and counselling on personal and family financial planning. It is, therefore, an important morale and welfare resource.

3. Credit Unions are a voluntary activity. There is no question of Defence or the Services controlling Defence Credit Unions. Official interest is confined to seeing that, if servicemen wish to operate their own Credit Unions, they should be established on a co-ordinated basis, with particular heed to the varying State laws on the subject. It is desirable that they have common rules and provide for the exigencies occasioned by Service life such as involuntary postings.

4. Each Service has agreed to provide the following measure of assistance in establishment of Defence Credit Unions:

- a. Authority for servicemen to use pay allotment facilities for the payment of savings and repayment of loans to Defence Credit Unions which obtain the necessary approval in accordance with Treasury Direction 21/4.
- b. Recognition and encouragement of formed Credit Unions by Commanding Officers, including permission for the dissemination of Credit Union literature and related information, provided no official costs are incurred.
- c. Permission for Service personnel and civilian employees to hold office in, and to staff, Defence Credit Unions provided this is without detriment to performance of their official duties.
- d. Provision of office accommodation for approved Defence Credit Unions on a space-available basis and under the normal conditions for approval by Commanding Officers.
- e. Access to Service bases and units by official representatives of the Federal and State Credit Union bodies within the discretion of local commanders, and subject to the normal requirements of security and respect for the privacy of individuals.

5. For their part, the State Credit Union Leagues have agreed to supply all technical and administrative assistance sought by each officially sponsored Defence Credit Union being formed, including advice on administration and technical training for Credit Union staff, and counselling services for personnel. The State Leagues have undertaken to provide development finance, to fund deficits to be expected initially and, if required, to monitor each new Defence Credit Union until it can stand on its own feet. If requested, a State Credit Union League will assist in recruiting trained staff.

6. The State Leagues have also agreed to develop a scheme which allows for semi-automatic transfer of savings and loan accounts on transfer, and to develop a set of model rules which, as far as possible, could be adopted by all Defence Credit Unions on formation.

7. Membership of Defence Credit Unions will be open to all servicemen and their dependants, all civilian employees of the Defence Group of Departments and their dependants, and employees of the Credit Union and their dependants. Members who retire or resign after joining will be able to continue their membership.

8. As a potential primary membership of 2,000 is needed to provide an adequate basis for a Credit Union to offer a full range of economical services, Defence Credit Unions could initially be formed at the following locations (possible sponsor/organiser shown in brackets):

- a. Western Australia Karakatta (Army)
- b. Australian Capital Territory .. One (Joint Service)
- c. South Australia Either Woodside (Army) or Edinburgh (RAAF)
- d. Victoria Puckapunyal (Army)
Bandiana/Albury (Army)
Laverton/Point Cook (RAAF)
Victoria Barracks (Joint Service, but sponsored by Army)
- e. New South Wales Holsworthy (Army)
HMAS KUTTABUL/Garden Island (Navy)
Richmond/Penrith (RAAF)
Wagga/Kapooka (RAAF)
- f. Queensland Amberley (RAAF)
Townsville (Army)
Enoggera (Army)

It is stressed that individual service sponsorship should not restrict membership to any established Defence Credit Union.

9. The State Credit Union Leagues have been informed that approval has been given for the formation of Defence Credit Unions and it is anticipated that their representatives will approach Administrative Authorities and seek their approval to assist in the institution of individual Defence Credit Unions.

10. List of State Credit Union Leagues is shown at Annex A.

ANNEX A

State Credit Union Leagues

State/ Territory	League	Address	Contact
ACT	ACT Credit Union League	Suite 204, MLC Tower, WODEN 2606 <i>Postal Address</i> PO Box 348 WODEN 2606	Mr P. Simmonds or Mr R. Nicholson Tel: 81-1083
QLD	Queensland Credit Union League	537 Sandgate Road, CLAYFIELD, QLD 4011 <i>Postal Address</i> PO Box 40, CLAYFIELD, QLD 4011	Mr G. T. Stephens Tel: 62-3361
NSW	NSW Credit Union League Ltd	Suite 23 127/133 Burwood Road, BURWOOD, NSW 2134 <i>Postal Address</i> PO Box 156 BURWOOD, NSW 2134	Mr L. Robinson Tel: 747-3522
VIC	Victorian Credit Co-operative Association Ltd	182 Albert Road, SOUTH MELBOURNE, VIC 3205	Mr J. Conrad Tel: 69-3264 or 88-3903
SA	Credit Union League of South Australia Co-operative Ltd	528 Marion Road, PLYMPTON, SA 5038 <i>Postal Address</i> PO Box 133 PARKHOLME, SA 5043	Mr B. N. Cate Tel: 97-4444
WA	Credit Union League of Western Australia Co-operative Society Ltd	1 Roselyn Street, WEST LEEDERVILLE, WA 6007 <i>Postal Address</i> PO Box 168 LEEDERVILLE, WA 6007	Secretary/Manager Tel: 67-6140 or 67-7030
TAS	Tasmanian Credit Union League Co-operative Society Ltd	121 Collins Street, HOBART, TAS 7001 <i>Postal Address</i> GPO Box 1399P HOBART, TAS 7001	Mr G. Price Tel: 34-6843

(N530/2/1)

UNCLASSIFIED

213/74—Rothmans National Sport Foundation

1. Rothmans National Sport Foundation has been formed with the following objects:

- a. to develop and encourage public participation in all forms of amateur sport;
- b. to raise the standards of skill in amateur sports by providing expert training and knowledge in such sports;
- c. to foster and encourage in the general public a deeper interest in and appreciation of amateur sport;
- d. to initiate and support research activities in relation to amateur sports; and
- e. to foster the exchange of information and personnel with other countries.

2. In general the foundation will provide specialised expert sporting instructions on the request from an association or club and these facilities are available to ships and establishments of the Royal Australian Navy.

3. Coaches and instructors will demonstrate, lecture and participate in sports. They may comment on the general standard of the particular sport in the area, and make suggestions and recommendations.

4. The Foundation will meet all costs associated with training programmes including the services of experts and their travelling and accommodation costs.

5. Almost every amateur sport is covered, and the Foundation will welcome suggestions and inquiries about any sport.

6. Applications for assistance which may take the form of specialised expert instruction, the making and provision of training films and other training aids may be made by Commanding Officers through administrative authorities to:

The Secretary
Rothmans National Sports Foundation
45 Macquarie Street
SYDNEY NSW 2000. Telephone 27 7727.

7. Navy Order 290/71 is hereby cancelled.

(138/6/65)

(Navy Order 290/71)

Section 4

EQUIPMENT, STORES AND SERVICING

RESTRICTED

214/74—River Class DEs—Y100 and Y136 Main Boilers, Economisers

1. Following several economiser tube failures in Y100 Boilers in the RAN, it has been found necessary to investigate what limitations on full power steaming, with one or more economiser tube temporarily plugged, are required.

2. Pending the outcome of this investigation and the preparation of precise instructions covering restrictions to be imposed when steaming with one or more economiser elements plugged the following interim rules are to apply for Y100 (HMA Ships YARRA, PARRAMATTA, STUART and DERWENT) and Y136 (HMA Ships SWAN and TORRENS) economisers:

- a. Where two elements are plugged the boiler should not be steamed at more than 90 per cent power.
- b. Where three elements are plugged the boiler should not be steamed at more than 75 per cent power.
- c. In emergency the only limitation to be imposed is the ability of the feed pump to maintain the water level in the boiler.

3. Navy Order 237/71 is hereby cancelled.

(N1905/5/9)

(Navy Order 237/71)

AMENDMENTS

UNCLASSIFIED

215/74—Post Allowance

Navy Order 163/74 is to be amended by deleting 'Difficult Post Allowance' and inserting 'Post Allowance' in lieu.

(252/4/335)

(Navy Order 163/74)

ANNEXURE

UNCLASSIFIED INFORMATION ONLY - SECURITY INFORMATION

SECRET 2025-78-701 Annexure

This Annexure is to be read in conjunction with the main document and should not be used in isolation.

1. The purpose of this Annexure is to provide additional information regarding the activities of the organization in the field of international relations.

2. The organization has been active in the field of international relations since its inception in 1950. It has established a wide network of contacts and has been instrumental in the development of international relations in the region.

- (a) The organization has been active in the field of international relations since its inception in 1950.
- (b) It has established a wide network of contacts and has been instrumental in the development of international relations in the region.
- (c) The organization has been active in the field of international relations since its inception in 1950.

3. This Annexure is to be read in conjunction with the main document.

(S)

SECRET 2025-78-701

RESTRICTED



RESTRICTED

DALS

ANO 217/74



AUSTRALIAN NAVY ORDER

METHODS—ADMINISTRATIVE AND GENERAL
METHODS—EQUIPMENT, STORES AND MAINTENANCE
METHODS—REPAIRS AND MAINTENANCE

Navy Office, Canberra,
31 July, 1974.

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

UNCLASSIFIED

217/74—Defect Reporting, Refit and Repair Procedures

1. The Navy Order contains... 2. The purpose of this... 3. The Navy Order...

CONTENTS

Table with 2 columns: No, Title. Includes sections like SECTION 1—ADMINISTRATIVE AND GENERAL, SECTION 4—EQUIPMENT, STORES AND SERVICING, and items like Defect List, Significant Defect, Planned Maintenance Item, and Suspended Defect List.

- 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 4720.

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

217/74—Defect Reporting, Refit and Repair Procedures

Introduction

1. This Navy Order describes defect reporting and repair procedures for ships and ship fitted equipment. The procedures for submarines, aircraft, explosive ordnance and associated armament stores are not covered by this Navy Order and separate instructions are issued for these particular equipments.

2. The procedures for defect reporting and rendering of Defect Lists, etc, are given in discrete sections and are described in the Annexes to this order. The headings of the Annexes are given in Paragraph 6.

3. This Navy Order should be read in conjunction with Navy Order 182/73.

Definitions

4. The following definitions are relevant to this Navy Order:

<i>Term</i>	<i>Definition</i>
Defect	Any deviation from any relevant specification.
Ship Defect	A material shortcoming which, in the opinion of the appropriate technical authority, requires repair, whether or not an official specification exists.
Dockyard Defect	Any defect beyond the capacity and/or capability of a ship's staff, base staff, FMP or FMU.
Significant Defect	The significance of a defect must be based upon the effect of the defect in terms of maintenance, reliability, safety and efficiency. The assessment of the significance of a defect has to be made by those in the field associated with the equipment. Broadly speaking defects which take more than a half hour to rectify are to be treated as significant defects. However, defects which are corrected by the replacement of a defective module or sub-assembly should be treated as significant defects and reported as such.
Planned Maintenance Item	A Planned Maintenance Item is a particular work instruction laid down in approved planned maintenance schedules. The work instruction gives details of maintenance to be carried out at specified intervals.
Standard Defect List	The Standard Defect List is used by base staffs for the compilation of defect lists. The list contains Planned Maintenance Items, defects and approved As & As and the requirement for particular work is indicated in a YES/NO form.

<i>Term</i>	<i>Definition</i>
Ordering Authority ..	The ordering authority is responsible for placing a contact order for a ship's refit and for administering the physical and financial progress of the work. He may delegate to another authority these activities. (In the case of refits at HMA Naval dockyards, the General Managers are ordering authorities.)
Technical Authority ..	Ships which do not refit at HMA Naval dockyards will require a technical authority. This will normally be one of HMA Naval dockyards and will be nominated by Department of Defence (Navy Office). The technical authority will be responsible for the supply of technical information for refits of these ships.
Overseeing and Inspection Authority	This authority will carry out, for the ordering authorities, the necessary overseeing and inspection and where necessary, the quality assurance activities, during ship refits by private contractors.
Defect Priorities ..	The priority of a defect is to be determined by the following criteria: <p style="margin-left: 2em;">Priority 1 A defect which limits the sea-going fighting efficiency or safety of a ship and which must be made good immediately. Reported by PRIORITY URDEF signal. Work will be approved by signal and undertaken as directed by ship's administrative authority.</p> <p style="margin-left: 2em;">Priority 2 Defects or important work which limit sea-going fighting efficiency or safety and which should be rectified at the next opportunity in harbour. Reported by URDEF signal. Work will be approved by signal and undertaken as directed by ship's administrative authority.</p> <p style="margin-left: 2em;">Priority 3 Defects which limit the availability of equipment but which do not directly affect sea-going fighting efficiency or safety of a ship. Reported by INDEF signal when dockyard assistance is required. Such defects should not be allowed to wait for rectification until the next main refit.</p> <p style="margin-left: 2em;">Priority 4 Other defects or work reported on Form TM200 or Form TM145. Work reported on Forms TM200 is to be included in Defect Lists for main refits.</p>

<i>Term</i>	<i>Definition</i>
Dockyard Refit ..	The scheduled period a ship spends in a dockyard while extensive work is carried out by both dockyard and ship's staff, eg, a modernisation, conversion extended refit, main refit or intermediate docking. This period ends on the date when all work in a ship is complete, including dockyard trials, basin and specified harbour acceptance trials, all painting, etc, ie, when the ship is ready for sea acceptance trials.
URDEF ..	An URDEF is any defect which significantly limits or may limit the sea-going fighting efficiency or safety of the ship, regardless of the operational role at the time. The procedure for URDEF action is given in Annex C.
INDEF ..	An INDEF is a defect which is beyond the ship's staff capacity and/or capability and which limits the availability of equipment but does not directly affect the sea-going fighting efficiency or the safety of a ship. The procedure for INDEF is given in Annex D.
REDEF ..	A REDEF is a defect beyond the capacity of ship's or base staff which occurs during a main refit after the final Supplementary Defect List has been submitted and prior to completion date. The procedure for REDEF action is given in Annex E.
Repair Facility ..	A naval technical organisation to assist ships with repair of defects which are beyond ships staff capacity or capability. For example—dockyards, FMU, FMP, etc.

Forms

5. The following forms are used for defect reporting:

- a. **TM200—Ship Repair Requisition**
This form is used to requisition dockyard assistance to repair defects. The purpose and use of this form are given in Annex A.
- b. **TM145—Defect Record**
This form is used for reporting ship's staff defects and for reporting defects beyond the scope of ship's staff to their appropriate base staffs for appropriate action. The use of this form is given in Annex I.
- c. **TM179—Report of Defective Material or Design**
Instructions for rendering this form are given on the back of the form.

6. The numbering of all these forms is described in Annex B.

Annexes

7. The following Annexes to this order give detailed instructions for particular reporting and repair procedures:

- A. Requisition for Repair Facility Work.
- B. Numbering of Forms TM200, TM145 and TM179.
- C. URDEF Procedure.
- D. INDEF Procedure.
- E. REDEF Procedure.
- F. Refit Procedures.
- G. Defect Lists.
- H. Refit Reports.
- I. Use of Form TM145.
- J. TAKON/ADDON Signals.

8. This Navy Order supersedes Navy Order 129/71 which is hereby cancelled. Any changes affecting ABR 1313 and AFGOs by the introduction of this order are to be noted pending amendment of these publications.

ANNEX A**Requisition for Repair Facility Work****Introduction**

1. All work beyond the capacity and/or capability of ship's staff, except the dockyard component of ship's planned maintenance, is to be requisitioned by the use of Form TM200.

2. The complete and accurate compilation of this form is a pre-requisite for accurate estimating and planning of the work arising out of the request.

3. Forms TM200 are to be typed and forwarded *weekly* to the addressees given in the distribution specified in Paragraphs 18 and 19 below.

4. For PTFs, LCHs and MCMVs, all work beyond the capacity or capability of ship's staff, except dockyard planned maintenance routines, is to be reported on Form TM145 to base staffs. Base staffs are to raise Form TM200 if the work cannot be done by them. Forms TM145 and TM200 are not to be raised for PM items or Standard Defect List items.

Description of Work

5. As stated in Paragraph 2, an accurate description of all work to be performed is an essential ingredient for a successful refit. Therefore the following information is to be included on all Forms TM200:

- a. a concise statement of the work required;
- b. the suggested method of repair;
- c. preparatory work required for access;
- d. tests or inspections required;
- e. known spare gear or other material requirements including quantities, parts nos and stock nos;
- f. associated requirements such as gas-freeing, laboratory analysis, etc;

ANNEX A—continued

- g. all pertinent information such as pipe sizes, materials, approximate lengths, number and types of valves, length and type of cables. In the case of deck covering, insulation, painting, etc, the area in square metres is to be given;
- h. all drawing corrections required;
- i. associated Planned Maintenance to be carried out in conjunction with the repair;
- j. pertinent drawing and handbook nos and whether they are available on board; and
- k. physical location of equipment concerned—compartment identification number and descriptive title to be given.

General

6. Defects which are found on equipments undergoing dockyard planned maintenance routines and cause an increase in planned dockyard effort to effect the completion of the routines are to be reported using the REDEF procedure.

7. Any other defects beyond the capacity and/or capability of ship's staff discovered between the time the final Supplementary Defect List has been forwarded and the refit completion date are to be reported using the REDEF procedure. (Annex E refers.)

8. The Naval Board and the administrative authority may direct items to be included in Defect Lists. In this case a form TM200 is to be raised quoting the relevant letter or, in the case of a signal, date only and originator.

9. Forms TM200 are not to be raised for any type of outstanding approved modification/A and A, etc.

10. Series inspections, barrel changes, MV calibration, special support facilities and surveys of defective equipment are to be raised as shown in Paragraphs 18 and 19 with copy 4 of the Form TM200 to the appropriate authority responsible for the repair/support facility. Form TM200 is to include proposed dates for work to be carried out. Priority One and Two requests are to be made using the URDEF format (Annex C) and Priority Three using the INDEF format (Annex D).

11. Form TM100 (Defect Record Communication Sheet) is to be used where queries concerning a particular defect are raised.

12. Forms TM200 need only be retained by ship or base staffs for a period of twelve months after a new series of Forms TM200 has commenced.

13. After a refit has been completed, defects reported on Form TM200 which were not undertaken are to be re-raised by ship or base staffs in a new series of Forms TM200. A reference to any previous Form TM200 is to be included.

14. Forms TM200 for other ships and craft are to be raised by the authority indicated:

- a. support and attached craft—authorities, establishments or units which have custody of the craft;
- b. Reserve Ships—officer having custody of ship (ABR 5139);
- c. ship in dockyard hands—General Manager of dockyard.

15. Forms TM200 for shore establishments are to be used for specialised naval equipment and other work normally undertaken by dockyard personnel. The forms are to be numbered in similar series as that given in Annex B.

ANNEX A—continued

16. Fleet Maintenance personnel may be directed by their administrative authority to undertake defect work, either concurrently with other repair facilities, or in isolation, provided that the work:

- a. is within their capacity or capability;
- b. has not been allocated to any other repair facility; and
- c. has been approved by the ship's administrative authority.

17. Classified information is only to be included in Forms TM200 if it is absolutely essential to describe the defect. If classified information is required then an appropriate security classification is to be noted on the form. Dissemination of planning information is made more difficult by the unnecessary inclusion of classified information.

Distribution of Forms TM200

18. For ships, other than PTFs, MCMVs and LCHs, Forms TM200 are to be distributed as follows:

- Copy Number 1—ordering authority (normally an HMA naval dockyard nominated for ship).
- Copy Number 2—administrative authority.
- Copy Number 3—Director of Fleet Maintenance, Department of Defence (Navy Office), CANBERRA, ACT 2600.
- Copy Number 4—repair/support facility, if applicable (*see* Paragraph 10).
- Copy Number 5—ship's file copy.

19. Where Form TM200 is raised by base staff the following distribution is to be used:

- Copy Number 1—ordering authority.
- Copy Number 2—administrative authority.
- Copy Number 3—Director of Fleet Maintenance, Department of Defence (Navy Office), CANBERRA, ACT 2600.
- Copy Number 4—repair/support facility, if applicable (*see* Paragraph 10).
- Copy Number 5—ship's file copy.
- Copy Number 6—base file copy.

Dockyard Component of Planned Maintenance

20. For ships other than PTFs, LCHs and MCMVs, items of dockyard planned maintenance which are due to be undertaken during a refit are to be given a serial number in the current series of Forms TM200. These numbers are required for dockyard processing; forms are not to be raised. The list of planned maintenance items to be undertaken is to be forwarded in the Main Defect List. A typed list with the following headings is to be used:

- a. Forms TM200 serial number.
- b. PM schedule number.
- c. PM routine periodicity.
- d. Single line description of the routine.

21. PTFs, LCHs and MCMVs have items of dockyard planned maintenance included in the work package or Standard Defect Lists as applicable and no further action is necessary.

ANNEX B

Numbering of Forms TM200, Forms TM145 and Forms TM179

1. The serial number given to each of these forms gives the application of the form, the equipment department to which the form refers and the reporting period in which the form is raised. The forms are numbered sequentially as they are raised.

2. A prefix denoting the application of Forms TM200 and Forms TM179 commences the serial number of these forms. The prefix to be used is as follows:

- a. D—used for Forms TM200.
- b. R—used for Forms TM179.

These prefixes are not used with Forms TM145.

3. A prefix denoting the departmental identification is used for all forms. This prefix is determined from the following table:

Prefix	Department
P	Propulsion engineering.
H	Hull.
L	All power generation and distribution up to particular equipment/system supply fuses—all electrical aspects of main ventilation systems (excluding particular internal equipment ventilation)—all domestic and electrical hotel services—electrical auxiliary machinery—all batteries—all conversion machinery.
C	All external and internal communication systems including DF equipment.
W	All weapons systems (excluding explosive ordnance)—all radars—EW equipment—sonar equipment—navigational aids, including navigational and flight deck lighting.

The prefix chosen follows the prefix described in Paragraph 2 above.

4. For ships the reporting period will commence at the ship's main refit completion date. The prefixes selected from Paragraphs 2 and 3 above are to be suffixed by the last two digits of the year in which the next planned main refit will commence. The suffix denoting the year in the serial number is not to change if the main refit date alters once a series has commenced.

5. Forms TM200 raised by shore establishments are to show the last two digits of the year of origin.

Examples

6. The following examples illustrate the method of numbering the forms:

- a. Form TM200 DP 323/75

This form is the 323rd work requisition raised by the Marine Engineering Department dealing with a propulsion subject for which dockyard assistance is required at the next refit which is planned to commence in 1975.

- b. Form TM200 DW 37/74

This form is the 37th dockyard work requisition raised by the WE department dealing with a weapon subject for which dockyard assistance is required at the next refit which is planned to commence in 1974.

ANNEX B—continued

c. Form TM179 RL 13/76

This form is the 13th report of defective material or design dealing with an electrical subject during the reporting period which completes with the main refit which is planned to commence in 1976.

d. Form TM179 RC 3/77

The form is the 3rd report of defective material or design by the WE department dealing with a communications subject during the reporting period which completes with the main refit which is planned to commence in 1977.

e. Form TM145 H 73/74

The form is the 73rd form raised in the ME department dealing with a hull subject to record a ship's staff defect during the reporting period which completes with the main refit which is planned to commence in 1974.

f. Form TM145 P 54/75

The form is the 54th form raised in the Marine Engineering department dealing with a propulsion subject to record a ship's staff defect during the reporting period which completes with the main refit which is planned to commence in 1975.

ANNEX C

URDEF Procedures

Purpose

1. This procedure is used to inform the ship's operational authority of a defect and associated effects on the operational capability of the ship concerned. The procedure also initiates repair action when repairs are beyond the capability of the ship's staff.
2. A ship is to raise an URDEF signal when ANY defect occurs which significantly limits, or may limit the sea-going or fighting efficiency or safety of the ship, regardless of the operational role at the time.
3. URDEF procedure is not to be used between non-operational date and completion date of a dockyard main refit, when REDEF procedure is to be used.
4. Requests for assistance to carry out repairs off the Australia Station are to be sought using the URDEF procedure as detailed in this Annex.

Format

5. The defects specified in Paragraph 2 are reported by signal in the following format:

FM : Ship's name.
 TO : Operational authority and administrative authority.
 INFO : Technical authority and ordering authority; base staff where applicable (PTF, MCMV, LCH); area administrative authority and local Service repair authority if the repair will not be undertaken in an HMA naval dockyard.
 URDEF : Serial number/year of next refit commencement; priority number, eg, URDEF 1/75 Priority 1.
 A. Name of equipment, structure or system involved and EIC where known.
 B. Description of defect.

ANNEX C—continued

- C. Assistance required and nature of repair or whether work being undertaken by ship's staff.
- D. Effect on ship's operational capability.
- E. Stores or special equipment required; DTG of signal demand if applicable; relevant dockyard or ship's staff planned maintenance routine to be completed concurrently with repair if applicable, etc.
- F. Availability for repair and any special facilities required.
- G. Form TM200 or Form TM145 serial number.

Work will be approved by signal and undertaken as directed by the ship's administrative authority.

Notes:

1. URDEFs are to be numbered sequentially from the completion date of each main refit. The priority accorded to the URDEF is to conform with the definitions in Paragraph 4 of this Navy Order. The precedence and classification of the signal are to be commensurate with the effect on the operational capabilities of the ship.
2. If assistance is NOT required the URDEF signal is to be addressed only to the operational authority and administrative authority (and base staff if applicable). URDEF signals are to be passed to DEFNAV Canberra only if the operational or administrative authority considers there is a requirement to do so; also when the ship is operating outside Australia and contract work is required to make good the defect.
3. No URDEF requiring assistance is to be made good without the approval of the ship's administrative authority. If such a repair will not be done in a dockyard or by Fleet maintenance personnel, paragraph ECHO of the URDEF signal is to include, where possible, an estimate of cost to make good the defect.
4. All Forms TM200 or Forms TM145 referring to URDEFs are to contain the date the URDEF was raised and the serial number of the URDEF. Signal DTGs are not to be used.
5. URDEF signals are not to be used to demand stores or spares. A separate signal of suitable precedence with a realistic target date should be sent in accordance with ABR 4.
6. Where assistance is requested for repairs to be carried out off the Australia Station, it is essential that wherever possible an estimate of cost is included in the URDEF signal.
7. If ships are seconded to non-Australian operational authorities the appropriate urgent defect reporting procedure is to be used, eg, CASREP (USN) and OPDEF (RN). A final paragraph is to be added to these defect reports as shown below:

For Australian addressees only:

- a. Defect designated as URDEF.....
- b. Estimated cost.....
- c. Form TM200 or TM145 Serial Number.....

Note: All the Australian addressees shown in Paragraph 5 above are to be included.

ANNEX C—continued

8. URDEFs within the scope of ship's staff are to be reported in the appropriate national format. A final paragraph is to be added giving the URDEF serial number and Form TM145 serial number. Ship's administrative authority and where applicable base staff are to be included as addressees.

9. When the URDEF is made good the ship is to signal as follows:

URDEF Number and Form TM200 or Form TM145 Serial Number Date
Rectified.....

ANNEX D

INDEF Procedure

Purpose

1. This procedure is used to inform the ship's operational authority of defects and associated effects on the operational capability of the ship concerned. The procedure also initiates repair action when the repairs are beyond the capability of the ship's staff.

2. A ship is to raise an INDEF signal when a defect which is beyond the ship's staff's capability and/or capacity occurs and the defect limits the availability of equipment but does not directly affect sea-going fighting efficiency or safety of a ship.

3. INDEF procedure is not to be used between the non-operational date and completion of a dockyard main refit, REDEF procedure is to be used.

4. Off the Australia Station INDEF procedure is only to be used for the purposes of informing the ship's operational authority. Repair work will not be initiated until the ship returns to Australia.

Format

5. The defects specified in Paragraph 2 are reported by signal in the following format:

FM : Ship's name.
TO : Operational authority.
Administrative authority.
INFO : Technical authority and ordering authority; base staff where applicable (PTFs, MCMVs and LCHs); area administrative authority and local Service repair authority if the repair will not be undertaken in a naval dockyard.
INDEF : Serial number/year of next refit commencement Priority 3, eg, INDEF 12/75 Priority 3.
A. Name of equipment, structure or system involved and EIC where known.
B. Description of defect.
C. Assistance required and nature of repair.
D. Effect on ship's operational capability.

ANNEX D—continued

- E. Stores or special equipment required; DTG of signal demand if applicable; relevant dockyard or ship's staff planned maintenance routine to be completed concurrently with repair if applicable, etc.
- F. Availability for repair and any special facilities required.
- G. Form TM200 serial number.

6. Work will be approved by signal and undertaken on a basis decided by the ship's administrative authority.

Notes:

1. INDEFs are to be numbered sequentially from the completion date of each refit. INDEFs are to be given Priority 3. The precedence of the signal is normally ROUTINE.

2. All Forms TM200 referring to INDEFs are to contain the date raised and serial number of the INDEF signal. Signal DTGs are not to be used.

3. When the INDEF is made good the ship is to signal as follows:

'INDEF Number and Form TM200 Serial Number Date Rectified.....
.....'

4. INDEF signals are not to be used to demand stores or spares. A separate signal of suitable precedence with a realistic target date should be made in accordance with the procedure detailed in ABR 4.

5. All outstanding INDEFs are to be included in Defect Lists for intermediate dockings. Final authorisation of work will be made at the appropriate 'refit meeting'.

ANNEX E

REDEF Procedure

Purpose

1. This procedure is used to report defects beyond the capacity of ship's or base staffs which occur or are discovered during a main refit after the second Supplementary Defect List has been forwarded and prior to completion date.

Format

2. The defects specified in Paragraph 1 are reported by signal in the following format:

FM : Ship's name.
TO : Administrative authority.
INFO : Technical authority and ordering authority.
REDEF : Serial number/year of refit commencement.
A. Equipment, structure or system involved; EIC where known.
B. Description of defect.
C. Assistance required/nature of repair.
D. Other information (eg, docking required, craneage or berth required).

ANNEX E—continued

- E. Form TM200 serial number.
 F. Origin of defect (eg, arising out PM routines, other dockyard or ship's staff activities, etc).

Notes:

1. REDEFs are to be numbered sequentially from the start of each refit. The precedence of the signal is normally ROUTINE. The security classification of the signal is to be as appropriate for the information in the signal.

2. Forms TM200 referring to REDEF signals are to state the serial number of the REDEF. Signal DTGs are not to be used. REDEFs for PTFs, LCHs and MCMVs are to be raised by base staffs.

ANNEX F

Refit Procedures

Introduction

1. The successful and timely completion of ship refits is largely dependent on the planning effort which has been put into it. There are several major factors affecting the planning of refits:

- adherence to an approved long term refit plan which gives an even loading for the dockyard and period contractor's work forces;
- detailed and comprehensive description of each work request to permit accurate estimates of labour and material requirements to be made;
- early notification of the required work to allow estimating and planning of the work package to be made and to allow timely placement of contracts; and
- the timely ordering of long lead equipment and material requirements for the particular refit.

2. Procedures are given in this Annex to meet the requirements of these major factors. The sequence of events in a refit planning and execution cycle is as follows: (SD = planned start date).

Time	Activity	Annex F Paragraph reference
SD - 8 months	Navy Office refit notification letter	4, 5
SD - 6 months	Ship to submit Main Defect List (MDL)	7
SD - 4 months	Pre-refit survey	8, 9
SD - 4 months	Refit notification signal	6
SD - 3 months	Ship to submit 1st Supplementary Defect List	7
SD - 2 months	Refit planning conference	10-13
SD - 1 week	Ship to submit 2nd Supplementary Defect List	7
SD - 1 week	Pre-refit conference	14, 15
SD - 1 week	TAKON and refit start signals sent	16
SD + 2 months	Post-refit trials meeting	17
After 60 per cent of planned refit period	Refit progress signal	18
Refit completion	Post-refit conference ADDON and refit completion signals sent	19-24

3. A summary of these procedures is shown as Appendix A to this Annex.

ANNEX F—continued

Navy Office Refit Notification Letter

4. This letter will be sent from Department of Defence (Navy Office) to all authorities concerned with the particular refit. It will be dispatched eight months before the planned start date for the refit.

5. The following information will be given in the letter:

- planned start and finish dates of the refit;
- planned venue of the refit;
- approved financial allocation for the refit with spread of expenditure where applicable; the planned allocation of funds for particular repair and refit categories will also be given;
- approved As and As, Modifications, SHIPALTS, ORDALTS or Field Changes for the particular ship, indicating those which have been selected for this refit; and
- any other relevant information which may effect the planning and execution of the refit.

Refit Notification Signal

6. The information in the refit notification letter will be updated in the refit notification signal which will be sent four months before refit start date.

Defect Lists

7. Defect Lists are to be forwarded so as to arrive at the appropriate ordering authority at the following times:

- Main Defect List—six months before planned refit start date.
- 1st Supplementary List—three months before planned refit start date.
- 2nd Supplementary List—tabled at pre-refit conference.

Defect Lists are the formal notification by the ship of the priorities of the work requested to be carried out during the refit. The lists also contain other information for the planning of activities before, during and after the refit periods. Detailed instructions for the compilation of these lists are given in Annex G.

Pre-refit Survey

8. Fleet staff are to request pre-refit surveys. RANTAU may be requested to participate but normally surveys are to be carried out by dockyard, or base staff where applicable, in conjunction with the ship's staff. Where possible ship's programmes will be arranged so that the ship can be made available in her home port for at least a week approximately four months before the refit start date. If this is not possible, arrangements are to be made to send a small dockyard planning and survey team to the ship.

9. The pre-refit survey should cover the following requirements:

- assist the estimating and scheduling task of the dockyard or contractor in order to undertake the work requested in the Main Defect List;
- check areas/equipment not mentioned in the Forms TM200 of the Main Defect List that in dockyard experience could lead to growth; and
- assist ship's staff to survey areas which they may consider could lead to growth or require the dockyard officers' more expert assessment.

ANNEX F—continued

The output from the survey is to be a listing of defects for inclusion in the 1st Supplementary Defect List as necessary. The dockyard or base as applicable is to forward the survey results to the ship concerned within two weeks of the survey being completed.

Refit Planning Conference

10. Approximately two months before the refit start date a refit planning conference should be held to discuss the work package of the forthcoming refit in light of the estimates of the main and 1st Supplementary Defect Lists and the results of planning of the refit to date.

11. The conference is to be convened by the ordering authority and is to be attended by suitable representatives of the administrative authority, Director of Dockyards (Navy Office), GOSI, base staff and the ship. Other local refit planning conferences may be convened as necessary.

12. If it is not possible to arrange a refit planning conference, the ordering authority is to forward the list of work it is proposed to undertake during the refit to the administrative authority, the Director of Dockyards (Navy Office), GOSI (if applicable) and the ship. The list is to be dispatched so as to arrive at least one month before the refit start date. If any authority wishes to negotiate any significant variations to the proposed work list the proposed variations are to be signalled to the ordering authority at least one week before the pre-refit conference.

13. A summary of the financial planning situation to date is to be available at the refit planning conference or forwarded with the proposed work list if no refit planning conference is held.

Pre-refit Conference

14. During the week prior to the commencement of the refit the ordering authority is to convene the pre-refit conference. Representatives of the administrative authority, GOSI, Director of Dockyards (Navy Office), stores organisations, RANTAU and the ship are to attend. The ship is to table the 2nd Supplementary Defect List at this conference.

15. The conference should consider the following subjects:

- a. dockyard and ship liaison—safety, security, etc;
- b. planning of refit milestones—dockings, raise steam, etc;
- c. discussion of the proposed work list and any deleted items;
- d. discussion of any additional items, eg, from the 2nd Supplementary Defect List;
- e. discussion of conduct of refit—control procedures, administrative memos, etc;
- f. discussion of contract involvement in refit;
- g. dockyard to raise known supply problems;
- h. ship to advise known constraints of ship's staff involvement; and
- i. dockyard to indicate Drawing Office and design involvement.

16. The TAKON signal (Annex J) and the refit start signal (Annex H) are to be sent after this conference.

ANNEX F—continued

Post-refit Trials Meeting

17. For destroyers and larger ships, approximately eight weeks after refit start date, a meeting is to be held to co-ordinate dockyard setting to work, dockyard refit trials and HATs together with further requirements for SATs and/or SQTs. Representatives of RANTAU, ordering authority, administrative authority, Department of Defence (Navy Office) and the ship are to attend this meeting.

Refit Review

18. After 60 per cent of the planned refit duration, the ordering authority is to forward a refit review in the form of the refit progress signal (Annex H).

Post-refit Conference

19. At the completion of the refit, the refitting or ordering authority is to convene the post-refit conference. Representation at this conference is to be similar to that at the pre-refit conference.

20. The meeting is to review:

- a. all planned maintenance and defects not undertaken;
- b. all trials reports;
- c. all defects and discrepancies discovered during trials;
- d. all As and As carried out during the refit;
- e. all modifications carried out during the refit;
- f. all concessions granted during the refit and documentation thereof;
- g. the position with regard to any outstanding material and the disposal of material left over from the refit;
- h. the position with regard to any outstanding drawings, drawing amendments, instruction books or other documents; and
- i. major items of work discovered during the refit which must be undertaken at the completion of the next refit, eg, results of hull surveys, docking, etc.

21. The Department of Defence (Navy Office) representative will inform the conference of the dockyard or authority to which Forms TM200 for the next docking and refit are to be forwarded.

22. The minutes of this conference are to list all outstanding items against above items a. to i. inclusive, together with the authority responsible for completing the action of each item. A copy of these minutes is to be forwarded by the ordering authority to all who attended the conference.

23. The meeting is also to review difficulties encountered during the refit and formulate any recommendations for improvements to procedures which might reduce or prevent such difficulties in future refits. Such recommendations are to be forwarded to the Director of Dockyards (Navy Office), separately from the Refit Completion Report.

24. Form TM165 and Form TM338 (if applicable) are to be signed at this conference. The ADDON signal (Annex J) and the refit completion signal (Annex H) are to be sent after the conference.

Time Relative to Start Date	Event	Action (*) and Attendance Summary				Ship
		Department of Defence (N.O.)	A.A.	O.A.		
— 8 months	Refit Notification Letter	*				
— 6 months	Submit Main Defect List					*
— 4 months	Pre-refit survey					
— 4 months	Refit Notification Signal	*				
— 3 months	Submit first Supplementary D.L.					
— 2 months	Refit Planning	Representative	Representative	Convener *	Representative	Representative if possible
— 1 week	Submit Second Supplementary D.L.					
— 1 week	Pre-Refit Conference	Representative	Representative	Convener *	Representative	Representative
START	1. Refit Start Signal 2. TAKON signals			*		
+ 2 months	Post Refit Trials Meeting. RANTAU Represented	Representative	Representative	Convener *	Representative	Representative
60% of Refit Period	Refit Progress Signal			*		
COMPLETION	Post Refit Conference	Representative	Representative	Convener. * Refit completion signal	Representative	Representative; ADDON signal

ANNEX G

Defect Lists

General

1. The Defect List is a ship's document showing the priority order of requested work in discrete sections. The list must be complete, accurate and comprehensive. Succeeding paragraphs of this Annex give instructions for the compilation and distribution of the lists.

2. The Marine Engineer Officer is responsible to the Commanding Officer for the co-ordination of activities required for the compilation and forwarding of Defect Lists in all major surface ships. The base MEO will exercise this responsibility for PTFs, LCHs and MCMVs using a 'Standard Defect List' procedure.

3. Defect Lists are to be typed and are to have cardboard covers with the title on the front cover. The first page of the list is to be a completed Form TM171 which is signed by Heads of Departments and the Commanding Officer. The second page is to be the index.

Layout

4. Defect Lists are to be divided into the following sections:

- a. Hull;
- b. Mechanical;
- c. Electrical;
- d. Communications;
- e. Weapons;
- f. Docking;
- g. Boats; and
- h. Modifications/A and As.

5. The 'Docking Section' is to cover those defects and Planned Maintenance routines which can be completed only whilst the ship is in dry dock. Separate sub-sections of the Docking List are to contain hull, mechanical, electrical, communications and weapons work requisitions. Forms TM200 used to compile the Docking List are not to be included in other sections detailed in Paragraph 4 above.

6. The 'Boats Section' is to cover all work to be carried out on ship's boats. Separate sub-sections are to be used for individual boats. Forms TM200 used to compile the Boat's Defect List are not to be included in other sections detailed in Paragraph 4 above.

7. Within each section, work requests are to be listed in priority sequence. A separate table in numerical order giving the TM200 serial number/priority cross reference is to be included with each section. Work requests are not to be put in equipment priority sequence as has been previous practice.

Main Defect List (MDL)

8. Main Defect Lists are to be raised and forwarded so as to arrive at the appropriate ordering authority six months before the planned refit start date.

ANNEX G—continued

9. Page 3 of the MDL is to give details of ship information required for the planning and controlling of the refit by the dockyard concerned. The following information is to be included:

- a. Officers and sailors who are the contacts for the various departments are to be listed. The known leave dates for these representatives are also to be indicated together with the names of their reliefs for the period of leave.
- b. The following key dates:
 - (1) deammunitioning and ammunitioning;
 - (2) defuelling, tank cleaning and fuelling;
 - (3) availability of following areas and equipments:

<ol style="list-style-type: none"> (a) Captain's quarters (b) wardroom (c) messdecks (d) bathrooms (e) laundry (f) galleys (g) storerooms (h) tanks (i) cold and cool rooms (j) boats (k) boilers (where it is necessary for them to be cleaned first) (l) lifting appliances (m) air conditioning systems (where necessary during setting to work) (n) main generators; 	} eg, dates ship's company moves out of ship and back on board if shore accommodation is available
--	--
 - (4) requirements for following equipment (inclusive dates):
 - (a) shore boiler
 - (b) portable refrigerator
 - (c) shore galley
 - (d) portable bain marie
 - (e) lay apart store
 - (f) shore power
 - (g) compressed air
 - (h) vacu blast equipment;
 - (5) proposed fumigation/disinfection dates;
 - (6) dates when important units of equipment are required to be completed and ready for trials and tests by ship's staff or dockyard;
 - (7) dates for completion of significant ship's staff work.
- c. A list of all items which are being returned through stores authorities for survey during the refit, in accordance with ABR 4.
- d. A list showing the work which is required to be undertaken by SASO.
- e. A list of all known drawings which require updating or replacement (reference to appropriate Forms TM200 is to be included).

ANNEX G—continued

- f. Separate lists of cancelled and completed Forms TM200 previously forwarded. (Serial numbers only.)
10. The Main Defect List has the following distribution:
- a. Normal ordering authority (four copies);
 - b. GOSIEAA or overseeing authority for refit (two);
 - c. Administrative authority (two);
 - d. SASO, WESO, MSD and CSS where applicable (two);
 - e. Director of Fleet Maintenance, Department of Defence (Navy Office) (two);
 - f. Director of Dockyards, Department of Defence (Navy Office) (two);
 - g. Ship being refitted (where Defect Lists are raised by base staff) (four).
11. A ship's staff work list collated in sections as listed in Paragraph 4 is to be included with the Main Defect List.

Supplementary Defect Lists (SDLs)

12. These lists are used to revise the Main Defect List as a result of surveys and defects arising since the MDL was forwarded. The first SDL is to be forwarded to the refitting authority so as to arrive at least three months before planned refit start date. The second SDL is to be tabled at the pre-refit conference. Copies of the second SDL are to be made available to the ordering authority at least three working days before the pre-refit conference.

13. The SDLs are to be submitted in the same format as the Main Defect List. The distribution of the list is to be the same as the MDL.

Intermediate Dockings

14. The Defect List forwarded for an intermediate docking is to contain:
- a. planned maintenance items due (including docking items);
 - b. Priority One, Two and Three defects only (URDEFs/INDEFs); and
 - c. mandatory modifications only.
15. This list is to be forwarded to reach the ordering authority no later than six weeks before the start date of the intermediate docking.
16. A ship's staff work list is to be included with the intermediate docking Defect List.

ANNEX H**Refit Reports****Introduction**

1. The effective planning of the ship's refitting programme requires a continuing exchange of information between the Department of Defence (Navy Office) and all authorities concerned with ship refits. This exchange of information is also required for the monitoring and control of the approved finance allocated for a refit. This Annex gives the details of signals from ordering authorities to the Department of Defence (Navy Office) which will be used for the planning and monitoring functions described above.

ANNEX H—continued

2. Three signals are described in this Annex:

- a. Refit Commencement Report;
- b. Refit Progress Report;
- c. Refit Completion Report.

The Signal Indicator Group (SIG) to be used for these signals is DKG.

Refit Commencement Report

3. As soon as possible after the pre-refit conference, the ordering authority as applicable for the refit is to signal the Refit Commencement Report. The proformas for this signal are shown in Appendix A to Annex H.

Refit Progress Report

4. This report is to be signalled after 60 per cent of the planned refit duration has elapsed. The report is intended as a review of the physical and financial expenditure of the refit and to provide the estimate of the likely final expenditure. The proforma for this signal is shown in Appendix B to Annex H.

Refit Completion Report

5. This report is to be signalled not later than one month after the completion of the refit. The information, together with other refit reports, is used for post refit analysis and the planning of the next refit of the ship. The proforma for this report is shown in Appendix C to Annex H.

6. When the final contract costs are not known at the time of dispatch of this report, an estimated final expenditure is to be given.

Appendix A to Annex H

Refit Commencement Report Proforma**A. Ordering Authority (HMA Naval Dockyards)**

FM : Ordering Authority
 TO : DEFNAV CANBERRA
 INFO : Administrative Authority
 : Operational Authority
 : Ship

ANO 217/74 ANNEX H

Ship's name, Refit Commencement Report.

1. a. Refit start date.
 b. Planned completion date.
2. a. EA number.
 b. Financial allocation for refit (\$)

(1) Labour	—	(Manhour rate \$)
(2) Material	—	
(3) Contract	—	

APPENDIX A TO ANNEX H—continued

3. Estimate in manhours for committed work for dockyard labour at commencement of refit under following headings:

- | | | |
|----------------|---|-------------------|
| a. Hull | : | |
| b. Mechanical | : | |
| c. Electrical | : | |
| d. Weapons | : | |
| e. Electronics | : | |
| f. Docking | : | |
| g. Plant | : | |
| h. Services | : | |
| | | (charged to ship) |
| TOTAL | : | Manhours |

4. Estimate of committed work for contract labour at commencement of refit under following headings:

- a. estimated contract manhours;
- b. estimated contract cost.

5. Allowances (in manhours) made for increase of committed work under following headings:

- a. Supplementary Defect List;
- b. growth from committed work.

6. Estimates breakdown into following repair and refit categories:

- a. planned maintenance items;
- b. defects;
- c. As and As/modification, etc.

7. Estimate of manhours of overtime planned for the refit.

B. Ordering Authority (Contract yards)

FM : Ordering Authority
 TO : DEFNAV CANBERRA
 INFO : Administrative Authority
 : Operational Authority
 : Overseeing Authority
 : Ship

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Ship's name Refit Commencement Report

1. a. Refit start date.
 b. Planned completion date.
2. a. EA number.
 b. Financial allocation for refit (\$)

(1) Contract	
(2) Labour (if an HMA dockyard has a component of work).	

APPENDIX A TO ANNEX H—*continued*

3. Estimate of costs at commencement of refit under following headings:

- a. Standard work package :
- *b. Defects :
- c. As and As/modifications, etc :
- d. Allowance for supplementary defect list :
- e. Allowance for growth :
- TOTAL :

* A brief summary of the major defect items is to be included.

Appendix B to Annex H

Refit Progress Report

- FM : Ordering Authority
- TO : DEFNAV CANBERRA
- INFO : Operational Authority
 - : Ship
 - : Overseeing Authority
 - : Administrative Authority

ANO 217/74 ANNEX H

Ship's name, Refit Progress Report, planned completion date.

1. a. Percentage by time of the refit duration (this should be approximately 60 per cent).
- b. Percentage of authorised dockyard labour/contracts funds expended to date.
- c. Percentage of the total authorised contract funds committed.
- d. Assessment of whether the total physical progress percentage appears consistent with funds so far expended. If the assessment is inconsistent, reasons should be briefly stated.
- e. Any task or tasks which appear to be on or near the critical path of the refit should be identified.
- f. Any other relevant comments on Refit progress, eg, effects of stores supply delays, inclement weather, industrial action, etc.

Appendix C to Annex H

Refit Completion Report

A. Major Surface Ships

- FM : Ordering Authority
- TO : DEFNAV CANBERRA
- INFO : Administrative Authority
 - : Operational Authority
 - : Ship

ANO 217/74 ANNEX H

Ship's name. Refit completion date. Date ship proceeded on sea trials.

APPENDIX C TO ANNEX H—*continued*

1. EA number.
2. Actual expenditures:

	Manhours	\$
a. Hull :		
b. Mechanical :		
c. Electrical :		
d. Electronics :		
e. Weapons :		
f. Docking :		
g. Plant :		
h. Services :		
i. Total Dockyard :		
j. Contract Expenditure :		
k. Outstanding Contract Commitment :		
Total for ship :		
3. Actual costs breakdown into following categories (manhours and \$ to be given):
 - a. Planned maintenance items.
 - b. Defects.
 - c. As and As/modifications.
4. Manhours of overtime worked during the refit.
5. Estimated manhours to make good all defects reported but not undertaken during refit. Any major items should show manhours alongside TM200 numbers with a brief work description.

B. For PTFs, LCHs and major support craft

The text of the completion signal for these craft is to be in the following format:

1. EA number.
2. Actual cost (and manhours, if available) for:
 - (a) Standard refit package,
 - (b) Additional defects,
 - (c) As and As/modifications.

Note: Separate instructions will be required for contractors to give the information requested in the signals.

ANNEX I

Use of Form TM145

Ship's Staff Defects

1. Forms TM145 are to be used to record significant defects to be undertaken by ship's staff, base staff, FMP, etc. They may be written in clear manuscript or typed. The definition of a significant defect is given in Paragraph 4 of this Navy Order. When a defect is rectified a copy of form raised is to be forwarded monthly in bundles to the Director of Fleet Maintenance, Department of Defence (Navy Office), Canberra, ACT 2600. Forms TM145 need only be retained for four months after a new series of Forms TM145 has commenced.

ANNEX I—continued

Work Requisition for Assisted Maintenance Periods (for use of Base Staff, FMP or FMU)

2. Three copies of Form TM145 (Defect Record) are to reach the authority who will be undertaking the work two weeks prior to the ship's arrival wherever this is possible. These forms are to be forwarded under cover of a letter of proforma as directed by the authority's current orders.

3. The serial numbers of these forms are to be allocated within the current ship's staff series. Numbered Forms TM145 are not to be raised for items of planned maintenance. Defects found during planned maintenance are to be recorded on Form TM145 and forwarded in the normal manner.

4. Distribution of Form TM145 after completion of work is as follows:

- one copy retained by authority who completed the work,
- one copy returned to ship (to contain wear record, etc),
- one copy forwarded to DFM, Department of Defence (Navy Office), Canberra, ACT 2600.

Equipment/System Categories

5. The previous system of categorising equipment into categories A, B and C has been discontinued.

ANNEX J

TAKON/ADDON Signals

TAKON Signal

1. Within one week after the pre-refit conference the ordering authority is to send a TAKON signal in the following format:

FM : Ordering Authority
 TO : DEFNAV CANBERRA
 INFO : Ship
 Ship's Administrative Authority
 Base Staff (PTFs, LCHs and MCMVs only)
 Normal Ordering Authority if not originator.
 CSS SYDNEY.

TAKON Ship's name refit completion date.

- a. Serial number of dockyard modifications which are to be undertaken.
- b. Serial number of dockyard modifications which are to be progressed.
- c. Serial numbers of dockyard modifications which cannot be undertaken. A brief reason is to be quoted for each item, eg, lack of time, labour, stores, finance, drawings, specifications, etc.

ADDON Signal

2. Within one week of the post-refit conference being held the refitted ship is to send an ADDON signal in the following format:

FM : Ship
 TO : DEFNAV CANBERRA

ANNEX J—continued

INFO : Ship's Administrative Authority
 Ordering Authority
 Base Staff (PTFs, LCHs, MCMVs only) or ordering authority if refit carried out under direction of another ordering authority
 CSS SYDNEY.

ADDON, ship's name, refit completion date.

- a. Serial numbers of all modifications completed during refit.
- b. Serial numbers of all modifications progressed during refit with percentage completion.
- c. Serial numbers of all modifications not now applicable and not previously reported as such.
- d. Serial numbers of all other outstanding approved modifications at the end of the refit.

(1900/1/4)
 (Navy Orders 129/71 and 182/73)

ANNEX 1

Work completed for Annual Maintenance of the Administration of the Ship (AMAS) - 1971.

1. The following work is to be completed by the ship's commanding officer who will be submitting all work this week prior to the appropriate date as possible. These forms are to be forwarded under cover of a letter of performance as issued by the authority's name which originates after 30th July 1971.

2. The work to be completed is by means of a report on the condition of the ship's equipment and the work done during the period from 1st July to 31st July 1971. This report is to be submitted to the authority's name which originates after 30th July 1971.

3. Distribution of Form 10141 after completion of work is to be as follows: one copy retained on ship for current work record, one copy to be submitted to the authority's name which originates after 30th July 1971.

(FORMERLY forwarded to DPM, Department of Defense (Naval Office), Canberra, ACT 2600 (1971) now (1971) revised 1971)

Equipment/Stores Catalogue

4. The previous system of categorizing equipment into categories A, B and C has been discontinued.

ANNEX 2

TACON/ADDON Signal

TACON Signal

1. Within one week after the receipt of orders for working orders to be sent a TACON signal in the following format:

FM : Command Authority
 TO : DEPMAN CANBERRA
 INFO : Ship
 Ship's Administrative Authority
 Base Staff (P/F, L/CN and M/CNW only)
 Naval Docking Authority if not originated
 CDS SYDNEY

TACON Ship's name with completion date.

- a. Serial number of damaged modifications which are to be undertaken.
- b. Serial number of damaged modifications which are to be progressed.
- c. Serial numbers of damaged modifications which cannot be undertaken, a brief reason is to be given for each item, eg. lack of funds, absence of stores, stocks, drawings, specifications, etc.

ADDON Signal

2. Within one week of the receipt of orders being sent the add-on signal is to be sent in ADDON signal in the following format:

FM : Ship
 TO : DEPMAN CANBERRA



RESTRICTED

ANOs 218/74-230/74



AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
8 August 1974.

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

AUSTRALIAN
NAVY ORDERS

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

218/74—Fifth RAN Legal Conference

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No Title

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UNCLASSIFIED

219/74—Form PD103—Record of Evidence at Summary Trial

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

218/74—Fifth RAN Legal Conference

1. The Fifth RAN Legal Conference will be held in HMAS PENGUIN on 22-24 January 1975.

2. The seating available is limited and places are allocated as follows:

- a. PNF and Reserve Legal Officers and RAN Law Students .. 55
- b. Official Guests from other Services and other Countries .. 20
- c. PNF personnel not covered by a. 45

3. The forty-five places allocated to PNF personnel will be offered as follows:

- Navy Office 10
- FOCAF (For Fleet and staff personnel) 18
- FOCEA (for Command and EAA establishments) 9
- NOIC VIC and CERBERUS 3
- NOCWA 2
- Other authorities (Navy Office will co-ordinate bids) 3

More places may be available closer to the date when the number of Reserve Legal Officers and guests able to attend has been ascertained.

4. Administrative authorities are to report the names of those wishing to attend to Navy Office by 2 December 1974, with information copies to FOCEA and HMAS PENGUIN. Accommodation and travel arrangements for PNF personnel attending are to be made by the member's ship or establishment.

5. The agenda for the Conference has not yet been finally decided but it will include:

- a. some aspects of the Defence Forces Disciplinary Code;
- b. a paper entitled 'Are Servicemen Deprived of More Rights than Military Necessity Justifies?' to be given by Colonel His Honour Judge Mohr; and
- c. Law of the Sea matters.

(153/1/161)

UNCLASSIFIED

219/74—Form PD103—Record of Evidence at Summary Trial

- 1. Form PD103 is now inappropriate and is cancelled.
- 2. Transcripts should continue to be forwarded on the occasions required by Article 1021 of the Manual of Naval Law.

(7530/28/24)

220/74—Will Not Be Issued

UNCLASSIFIED

221/74—Williamstown Naval Dockyard—New Hours of Attendance for Salaried Staff

The following new hours of attendance have been adopted for staff employed at the Williamstown Naval Dockyard:

Starting time	.. ..	0815
Lunch break	.. ..	1156-1241
Finishing time	.. ..	1621

(N95/7/6)

**Section 2
PERSONNEL**

UNCLASSIFIED

222/74—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. New fees and allowances and conditions of payment, having effect variously from 1 January 1974 or 1 April 1974, are detailed under the following headings:

- Annex A—Medical Services performed on a Sessional Basis.
- Annex B—Medical Services performed on a 'Fee for Service Basis'.
- Annex C—Fee for Medical Examination and Reports.
- Annex D—Paramedical Practitioners—Sessional and Consultation Fees.
- Annex E—Dental Services.
- Annex F—Travel Time Payment.

2. A number of significant changes have occurred in the nature and conditions of payment of various fees and allowances:

- a. Designations of medical practitioners have been altered. Rules now introduced for determining eligibility for appointment and payment at the various levels are identified in Annexes A and B. 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.
- b. Fees payable for medical services provided on a sessional basis have been increased as from 1 January 1974.
- c. Payment of generalised rates for services provided under the 'fee-for-service' (ie consultation and procedures) system no longer applies. From 1 January 1974 specific amounts are to be paid for individual services, as detailed in Annex B.
- d. The allowance previously known as 'travelling allowance' has been discontinued and has been replaced by an allowance to be known as 'Travel Time Payment'. The effective date of this change is 1 April 1974.

- e. Fees payable for dental services have been increased with effect from 1 April 1974. These are detailed in Annex E.
- f. Sessional and consultation fees payable to private paramedical practitioners have been increased with effect from 1 April 1974. Provision has been made for payment of fees to Nursing Sisters for paramedical services rendered on a sessional basis.
- g. Fees payable for certain medical examinations and reports have been increased with effect from 1 April 1974 as detailed in Annex C.

3. 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.

4. Members entitled to treatment under the provisions of Paragraph 3 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.

5. 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 Annex E below refers.

6. Navy Orders 429/71, 93/72 and 278/72 are hereby cancelled.

ANNEX A

Medical Services Performed on a Sessional Basis

1. Previously the following designations and rates applied in all States:

					<i>Each</i>
				<i>First</i>	<i>Subsequent</i>
				<i>hour</i>	<i>half hour</i>
				\$	\$
Consultant Specialist	..	..	..	19.45	7.80
Senior Specialist	..	..	..	15.55	6.20
Junior Specialist	..	..	..	11.65	4.65
General Practitioner	..	..	..	9.70	3.90

2. With effect from 1 January 1974, the following designations and rates apply:

			<i>NSW, ACT and NT</i>	<i>Vic, Qld, SA and WA</i>	<i>Tasmania</i>
			<i>Rate per hour</i>	<i>Rate per hour</i>	<i>Rate per hour</i>
			\$	\$	\$
Senior Specialist	..	..	22.40	20.80	18.40
Specialist	..	..	16.80	15.60	13.80
General Practitioner	..	..	14.00	13.00	11.50

3. 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.

ANNEX B

Medical Services Performed on a 'Fee-for-Service' Basis

1. The following applies for 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. Previously the following designations and rates applied in all States:

	Per Visit \$
Consultation and Treatment at Rooms—	
Consultant Specialist	15.55
Specialist (Senior or Junior)—	
First Visit	11.65
Subsequent Visit (each)	6.50
Home Visits	
Consultant Specialist—	
First Visit	19.05
Subsequent Visit (each)	8.15
Specialist (Senior or Junior)—	
First Visit	16.30
Subsequent Visit (each)	8.15

3. From 1 January 1974, specific amounts are to be paid for the particular medical services provided. Fees payable 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.

Note: The effective date shown in the latest version of this publication is 22 April 1974. Nevertheless the rates shown are to be applied from 1 January 1974 for services provided on a 'fee-for-service' basis by medical practitioners, on behalf of the Australian Government.

4. Rules for Determining Eligibility for Payment at the Levels of Senior Specialist, Specialist or General Practitioner.

a. *Senior Specialist—*

- (1) He must:
 - (a) be recognised as a consultant physician or a specialist under the National Health Act, and
 - (b) have completed a minimum of three years experience since gaining such recognition, or since gaining appropriate graduate qualifications;

and

- (2) the sessions he performs must be in the practice of his recognised specialty.

b. *Specialist—*

- (1) He must be recognised as a consultant physician or a specialist under the National Health Act; and
- (2) the sessions he performs must be in the practice of his recognised specialty.

c. *General Practitioner—*

He must be registered or licensed as a medical practitioner under the appropriate State or Territorial law.

ANNEX B—continued

5. Where previously a medical practitioner received a rate of fee higher than that to which he would now be entitled according to his professional status under the National Health Act, he should from 1 January 1974 be paid fees at whichever of the new rates applying in the State concerned, is higher than but nearest to the rate he previously received. This applies in all States except Tasmania where he should from 1 January 1974, be paid at a rate equal to whichever of the new rates applying in Victoria is higher than but nearest to the rate he previously received. For example:

- a. where a medical practitioner was previously retained for sessional purposes as a Senior Specialist (ie, he was paid for sessions at the rate of \$15.55 for the first hour and \$6.20 for each subsequent half hour) but is not entitled to this designation under the above rules, he will be paid, with effect from 1 January 1974—

	Rate per hour \$
In NSW, ACT and Northern Territory	16.80
In Victoria, Queensland, SA, WA and Tasmania	15.60

- b. where a medical practitioner was previously retained for sessional purposes as a Junior Specialist (ie, he was paid for sessions at the rate of \$11.65 for the first hour and \$4.65 for each subsequent half hour) but is not entitled to this designation under the above rules, he will be paid, with effect from 1 January 1974—

	Rate per hour \$
In NSW, ACT and Northern Territory	14.00
In Victoria, Queensland, SA, WA and Tasmania	13.00

ANNEX C

Fee for Medical Examination and Reports (Forms)

The following increase has been approved with effect from 1 April 1974.

Form	Description	Old Fee \$	New Fee \$
PM 149 } PM 150 }	Medical Examination of Recruits for Armed Forces	8.00	10.20

ANNEX D

Paramedical Practitioners

1. Sessional Fees

Under previous arrangements Nursing Sisters providing paramedical services were employed on a part-time or casual basis. Provision has now been made for payment of fees on a sessional basis to Nursing Sisters for paramedical services provided (eg 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 1.1.72)		New Fees (from 1.4.74)	
	First Hour	Each Subsequent ½ Hour	First Hour	Each Subsequent ½ Hour
	\$	\$	\$	\$
Art Therapist ..				
Chiropracist ..				
Nursing Sister ..				
Occupational Therapist ..				
Physiotherapist ..				
Social Worker ..				
Speech Therapist ..				
Bacteriologist ..				
Biochemist ..				
Psychologist ..				
Facio-Maxillary Prosthetist ..				
Clinical Psychologist ..				
Maximum Daily Rate* ..				
Consultant Psychologist ..				
Maximum Daily Rate* ..				

* Based on a six hour session.

ANNEX D—continued

2. Consultation Fees

Paramedical Practitioner	Old Fees (from 1.1.72)		New Fees (from 1.4.74)	
	First Hour	Each Subsequent ½ Hour	First Hour	Each Subsequent ½ Hour
	\$	\$	\$	\$
Chiropracist—Rooms ..	2.60		3.30	
Home ..	3.20		4.10	
Clinical Psychologist—Rooms ..	10.10	5.05	12.90	6.45
Occupational Therapist—Home ..	3.50		4.45	
Physiotherapist—Rooms ..	3.20		4.10	
Home ..	3.50		4.45	
Social Worker—Home ..	6.00	2.55	7.65	3.25
Speech Therapist—Rooms ..	5.30	3.05	6.75	3.90
Home ..	6.00	4.10	7.65	5.25

ANNEX E

Dental Services

1. Dental Practitioners—Sessional Fees

	Old Fees (from 1.1.72)		New Fees (from 1.4.74)	
	First Hour	Each Subsequent ½ Hour	First Hour	Each Subsequent ½ Hour
	\$	\$	\$	\$
Principal Visiting Dental Officer ..	19.45	7.80	24.70	9.90
Senior Visiting Dental Officer ..	16.55	6.60	21.00	8.40
Visiting Dental Surgeon ..	15.10	6.05	21.00	8.40
Visiting Dental Officer ..	10.45	4.20	13.25	5.30

ANNEX E—continued

2. Dental Practitioners—Fees for Consultations and Treatment Services

Item	Old Fees \$	New Fees (from 1.4.74) \$
a. Consultation and Report		
Consultation and examination (when specifically requested) and submission of report:		
(1) Local dental officer	3.90	4.95
(2) Dental specialist (Orthodontist, Periodontist, Oral Surgeon, etc)	7.75	9.85
(3) Subsequent visits for (2)	4.85	6.15
(4) Principal dental officer	11.65	14.00
(5) Principal dental officer—file referral	10.00	12.00
(6) Senior dental officer	8.00	9.60
(7) Senior dental officer—file referral	6.85	8.25
b. Preventive Dentistry		
(1) Removal of Plaque	4.00	5.10
(2) Scaling and cleaning (including removal of plaque)	6.00	7.60
(3) Topical application of fluoride (prior approval not required for children under 16 years and above when receiving full-time education)	2.00	2.55
c. Conservative Dentistry		
(1) Restorations:		
(a) Amalgam:		
One surface	5.20	6.60
Two surfaces	6.30	8.00
Three surfaces	8.20	10.40
(b) Synthetic porcelain	5.80	7.35
(c) Composite resin	6.55	8.30
(2) Direct gold inlay—prior approval to be obtained for treatment and fee not to exceed	30.00	38.05
(3) Crowns and bridgework—prior approval to be obtained for treatment and fee.		
d. Endodontics		
(1) Removal of pulp and root filling:		
(a) Anterior tooth	20.00	25.40
(b) Posterior tooth—approval to be obtained for treatment and fee.		
(2) Treatment of infected pulp and root-filling:		
(a) Anterior tooth	25.00	31.75
(b) Posterior tooth—approval to be obtained for treatment and fee.		
(3) Pulpotomy	4.45	5.65

Note: Where treatment is carried out by a specialist endodontist, prior approval is required for both treatment and fee.

ANNEX E—continued

Item	Old Fees \$	New Fees (from 1.4.74) \$
e. X-Rays		
(1) 1 X-Ray (and where required a written report)	2.70	3.45
(2) Each additional film	1.70	2.15
(3) Full mouth—fourteen films	16.00	20.30
(4) Extra oral—lateral (each side)	6.55	8.30
f. Sedative Dressings		
Emergency treatment for relief of pain or control of haemorrhage (maximum of two treatments without reference to the Department)	2.35	3.00
g. Exodontics		
(1) Extraction under local anaesthesia:		
(a) One tooth	4.65	5.90
(b) Each additional tooth	2.60	3.30
(2) Extractions under general anaesthesia:		
Multiple extractions performed in a hospital by a local dental officer:		
Minimum (up to four teeth)	22.80	28.95
Maximum (five or more teeth)	29.25	37.10
h. Prosthetics		
(1) Dentures:		
(a) Full upper or lower	64.00	81.20
(b) Full upper and lower	122.00	154.80
(c) Partial dentures:		
1 tooth	26.95	34.20
2 teeth	29.05	36.85
3 teeth	31.15	39.55
4 teeth	33.25	42.20
5 teeth	36.90	46.85
6 teeth	37.35	47.40
7 teeth	37.80	47.95
8 teeth	38.30	48.60
9 teeth	38.75	49.15
10 teeth	41.20	52.30
11 teeth	41.55	52.75
12 teeth	41.90	53.15
Per clasp	2.95	3.75
Occlusal rest where not used as part of clasp	1.40	1.80

Notes:

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.

ANNEX E—continued

Item	Old Fees \$	New Fees (from 1.4.74) \$
(d) Cast-metal dentures (prior approval to be obtained):		
1 tooth	33.35	42.30
2 teeth	35.50	45.05
3 teeth	37.60	47.70
4 teeth	39.70	50.40
5 teeth	43.35	55.00
6 teeth	43.80	55.60
7 teeth	44.25	56.15
8 teeth	44.70	56.70
9 teeth	45.20	57.35
10 teeth	47.65	60.45
11 teeth	48.00	60.90
12 teeth	48.35	61.35
(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.		
(e) Relining (processed) lower	21.05	26.70
(f) Rebasings (processed) upper	26.95	34.20
(g) Use of functional—impression techniques (eg, hydrocast) prior approval to be obtained—fee by negotiation:		
(i) Where treatment necessary for both upper and lower dentures:		
Maximum fee payable	31.05	39.40
(ii) Where treatment necessary for upper or lower dentures:		
Maximum fee payable	15.50	19.65
(2) Repairs to dentures:		
(a) Ordinary fractures	6.30	8.00
(b) Replacement of one tooth (or clasp)	6.30	8.00
Replacement of one tooth or clasp (where impression required)	7.60	9.65
Each additional unit	2.70	3.45
(c) Addition of new tooth (or clasp)	9.35	11.85
Each additional unit	3.50	4.45
(d) Cast-metal dentures—fees as (a) (b) and (c) 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)		

ANNEX E—continued

Item	Old Fees \$	New Fees (from 1.4.74) \$
i. <i>Periodontics</i>		
(1) Acute:		
(a) Gingival infection—first visit	5.85	7.40
(b) Subsequent visits—negotiated fee with maximum for whole treatment of	18.75	23.80
(2) 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:		
(a) Full gingivectomy	105.40	150.00
(b) Full periodontal surgery involving, gum flap and osseous surgery	222.50	222.50
j. <i>Orthodontics</i>		
Fee to be arranged by prior negotiation:		
Maximum fee payable	375.00	476.00
k. <i>Oral Surgery</i>		
(1) Minor—prior approval required, maximum fee of ..	19.30	24.50
(2) Major—prior approval required and fee by negotiation.		
l. <i>Miscellaneous</i>		
Specialised treatment where a fee is not specified:		
Fee to be arranged by prior negotiation.		
m. <i>New Guinea</i>		
A surcharge of 15% to be payable for dental treatment provided in the New Guinea area.		
n. The authorised representatives of the Medical Director-General are the Senior Dental Surgeon, HMAS CERBERUS, The Command Dental Surgeon, EAST AUSTRALIA AREA, and the Fleet Dental Officer, HMAS MELBOURNE.		
o. 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.		

ANNEX F

Travel Time Payment

1. The allowance previously known as Travelling Allowance has been discontinued and has been replaced by an allowance known as Travel Time Payment with effect from 1 April 1974.

2. The following rules apply:

- a. Travel Time Payment is payable only to medical, dental and paramedical practitioners employed on a sessional basis. It is not payable for services provided on a 'fee-for-service' basis (eg, those services referred to in Annex B).
- b. Travel Time Payment is payable only in respect of a specific period of travel in which a loss of remunerative time is sustained by a practitioner. Before making payment of this allowance it must be established that a loss of remunerative time was in fact sustained during the specific period or periods of travel.

Note: A loss of remunerative time being sustained whilst travelling over one half of a return journey does not necessarily imply that a loss occurs over the other half of the journey.

c. Travel Time Payment may be paid only in respect of travel from the normal place of business for that day, to the place where the session is conducted, and return. Where difficulties arise the matter of the normal place of business should be negotiated with the practitioner concerned.

d. Travel Time Payment may be calculated:

- (1) for country and metropolitan areas, on actual time taken less twelve minutes where a total return journey is involved and less six minutes where only one half of the return journey is involved; or
- (2) for metropolitan areas, on the time it would take, travelling at 20 mph, to cover the total mileage travelled less four miles if a total return journey is involved and less two miles if only one half of a return journey is involved.

When assessing Travel Time Payment for travel within metropolitan areas whichever of the two methods available considered more administratively convenient may be applied, provided the method used to assess payments due to individual practitioners is consistent.

e. Travel Time Payment is not payable where:

- (1) travel both from and to the normal place of duty is involved and when assessed on a time basis takes a total of less than twelve minutes, or when assessed on a mileage basis involves a total of less than four miles;
- (2) travel either only from or only to the normal place of duty is involved and when calculated on a time basis takes less than six minutes, or when assessed on a mileage basis involves less than two miles.

f. Where prior to 1 April 1974 a practitioner received Travelling Allowance in excess of the rate of Travel Time Payment to which he is now entitled, a non-reduction principle is to be applied to ensure that the practitioner now receives no less than the amount received prior to 1 April 1974.

3. The following rates apply from 1 April 1974:

	Rate per Hour	Rate per Mile
	\$	

Medical Practitioners

The following rates apply irrespective of whether an individual medical practitioner receives sessional fees higher than those to which he is entitled according to his professional status under the National Health Act.

ANNEX F—continued

	Rate per Hour	Rate per Mile
	\$	
<i>New South Wales, ACT and Northern Territory</i>		
Senior specialist	11.20	56c
Specialist	8.40	42c
General Practitioner	7.00	35c
<i>Victoria, Queensland, South Australia and Western Australia</i>		
Senior specialist	10.40	52c
Specialist	7.80	39c
General practitioner	6.50	32.5c
<i>Tasmania</i>		
Senior specialist	9.20	46c
Specialist	6.90	34.5c
General practitioner	5.75	28.8c
<i>Dental Practitioners—All States</i>		
Principal visiting dental officer	12.35	61.8c
Senior visiting dental officer	10.50	52.5c
Visiting dental surgeon	10.50	52.5c
Visiting dental officer	6.65	33.3c
<i>Paramedical Practitioners—All States</i>		
Art Therapist	3.55	17.8c
Chiroprapist		
Nursing Sister	2.70	13.5c
Occupational Therapist		
Physiotherapist	4.95	24.8c
Social Worker		
Speech Therapist	5.10	25.5c
Bacteriologist		
Biochemist	6.30	31.5c
Psychologist		
Facio-Maxillary Prosthetist	6.85	34.3c
Clinical Psychologist		
Consultant Psychologist		

4. As an example, a general medical practitioner in Sydney travels a total of forty miles in one hundred and twenty minutes from his normal place of business for the day to a Naval Establishment and return (ie, twenty miles there and twenty miles back or sixty minutes there and sixty minutes back) and remunerative time is lost for both the outgoing and return journey.

Calculated on Time

Total time for return journey	120 minutes
Less	12 minutes
	<hr/>
	108 minutes

$$\text{Amount payable} = \frac{\$7.00}{60} \times \frac{108}{1} = \$12.60$$

ANNEX F—continued

OR When Calculated on Mileage

Total mileage for return journey	40 miles
Less	4 miles
	36 miles

Amount payable = $\$0.35 \times 36 = \12.60

(327/61/53)

(Navy Orders 429/71, 93/72 and 278/72)

UNCLASSIFIED

223/74—Introduction of Wran Electronic Technical Communications Category

1. The Naval Board have approved the introduction of a new Wrans' category, namely that of Wran Electronic Technical Communications (short title WRETC). These Wrans will be employed on the maintenance of communications equipment in selected Shore Establishments and will carry out the same duties as ETC sailors. Duties and conditions of service for WRETCs will be as detailed in this order.

Employment.

2. Wrans Electronic Technical Communications will carry out the following duties:
 - a. planned maintenance, fault finding, repair and alignment of teletype, terminal equipment, HF/VHF/UHF transmitters and receivers plus associated aerial systems;
 - b. system engineering in system control centres;
 - c. planned maintenance, fault finding, repair and alignment of high power transmitters and associated equipment; and
 - d. monitoring and operating tasks associated with ancillary equipment such as emergency power generators, air conditioning, plants, battery charging facilities, cable pressurization systems, etc.

3. Initially, WRETCs will be employed in billets in HMAS HARMAN, COONAWARRA and ALBATROSS. Because of the nature of their duties, WRETCs posted to Darwin will serve at least two years in HMAS COONAWARRA (as do Communications Wrans) unless selected for advancement in skill level during such postings.

Training

4. WRETCs will undertake the same technical training as ETC sailors through all phases of training. Phase I training, which equates to Wrans Part II (category) training, will comprise the following:

Course Title	EDP		Location
	Number	Duration	
ET1	914750	70 days	HMAS CERBERUS
Electronic Technical Communications 1	914780	60 days	HMAS CERBERUS
Shore Wireless	914620	20 days	HMAS HARMAN

Selection for higher phase training will be in accordance with ABRs 10 and 27.

5. Training and award of grade skills will be limited by ranks as follows:

- WRETC—Grade 1,
- SWRETC—Grades 1, 2 and 3,
- LWRETC—Grades 2 and 3, and
- POWRETC—Grade 3.

6. On successful completion of the training courses in Paragraph 5, WRETCs will be awarded the Grade 1 qualification. Subsequent training phases will require the completion of a Task Book during a normal posting followed by a formal course for advancement in skill level.

Entry

7. WRETCs will be required to meet the conditions of entry and service applicable to all Wrans.

8. The first RWRETCs will be entered in the October 1974 entry, to commence Phase 1 training on 4 November 1974.

Pay

9. On completion of category training, WRETCs will be paid at Level 4.

Promotion

10. WRETC promotion will be in accordance with the SAILSTRUC Promotion Structure for Wrans (ABRs 10 and 1077 will refer) except that ETC Wrans will conform to the same time requirements between training phases as SAILSTRUC trained sailors.

Category Badges

11. Category badges for WRETCs will be identical to those for ETC sailors.

Tools

12. WRETCs will be issued with the same electrical maintenance equipment as their male counterparts.

Amendments to Publications

13. Regulations regarding the new category will be included in the relevant publications in due course.

(303/31/63)

UNCLASSIFIED

224/74—Wran Stewards—Category Badges

1. The Naval Board have approved the replacement of the Wran Stewards' category badge (a star containing the letters 'SD') with the badge worn by steward sailors (a star containing the letters 'OS') as follows:

- a. 'OS' badges will be issued as current stocks of 'SD' badges are exhausted;
- b. a changeover period of two years will be allowed, at the end of which time, Wran Stewards not already issued with 'OS' badges are to be given gratuitous issues of these badges.

2. ABR 1077 will be amended in due course.

(N1/8455/45)

Section 4

EQUIPMENT, STORES AND SERVICING

RESTRICTED

225/74—HMA Ships SWAN and TORRENS—Stabiliser Flexible Hoses—Fire Risk

1. It has been established that a major fire in a Y136 Leander Class Frigate was caused by the failure of a flexible hose on the stabiliser equipment. High pressure hydraulic oil escaping from the burst hose penetrated lagging on a hot steam drain pipe, ignited, and started a fire which gutted the engine room.

2. Layout of stabiliser hoses in a number of cases is unsatisfactory. Hoses are prone to:
- distortion by twisting and tension effects;
 - damage by chafing on other hoses, fittings and ships structure;
 - damage by exposure to excessive temperatures from external sources such as steam pipes; and
 - damage by incorrect techniques employed in local assembly of hoses and fittings.

3. Ships are to examine stabiliser flexible hoses at frequent intervals for signs of failure. Planned Maintenance Schedules refer. Particular attention is to be paid to those parts normally obscured by floor plates. Failure of hoses are to be dealt with by URDEF procedure and reported on Form TM179.

4. Until stabiliser hose arrangements can be modified by re-design, sources of potential danger including those listed in Paragraph 2 are to be reduced as far as practicable. Such steps should include:

- ensuring that hoses are not twisted or distorted;
- installation of suitable hose brackets and clamps as restraint against chafing;
- shielding or cladding of heat sources adjacent to stabilisers; and
- proper supervision and inspection during local assembly of replacement hoses and hose fittings.

5. All of the original 'Lockheed Avery' hoses fitted on the Australian Y136 Leander Class Frigate stabilisers are being replaced with heavy duty hydraulic hoses complete with swaged end fittings.

(N2040/1/2)

RESTRICTED

226/74—RAN Patrol Boats—Main Engines—Specific Fuel Consumption

1. The present method of measuring fuel consumption by dipping tanks, although accurate enough for day to day running, is subject to inaccuracies which negate the value of these readings at Full Power trials, etc. Additionally, accurate metered fuel consumption figures can provide a good general indication of engine condition and performance if compared with similar figures taken when the engine was in new condition.

2. Following trials conducted at HMAS WATERHEN, using fuel flow meters fitted to the fuel lines down stream of the fuel feed pump and collecting the leak off from injectors in a suitable container for precise measurement at the conclusion of the trial, it has been determined that accurate fuel consumption figures can be obtained for Patrol Boat Main Engines. The equipment used during the above trial has been codified as DSN 6620-66-054-4096, ENGINE FUEL CONSUMPTION AND REVOLUTION MEASURING KIT and is shown on Navy Office Drawing No MHZ-1-13 entitled 'Diagrammatic Arrgt. of Main Engine Fuel Consumption and Revolution Measuring Kit' (See Navy Order Diagram Issue 1/74). Each kit includes the following:

- two in number Kent Norlantic Major flowmeters, and
- flexible piping and couplings to fit the flowmeters in accordance with Office Drawing No MHZ-1-13.

3. In addition to the two kits (one per engine) already held at HMAS WATERHEN a further six in number kits are being manufactured by Garden Island Dockyard for issue without demand as follows:

two each to HMAS TARANGAU,
HMAS MELVILLE
HMAS CAIRNS.

4. Within two months of the completion of each main refit, intermediate docking period, or unprogrammed engine change a fuel consumption trial is to be undertaken for both main engines. The trial need not be specially programmed, but should be carried out under the supervision of the ship's Base Engineer Officer, and in good sea conditions. The following trials are required:

Engine Configuration	Duration of Trial	Engine RPM
a. Port only	30 minutes	950
b. Port only	30 minutes	1,050
c. Starboard only	30 minutes	950
d. Starboard only	30 minutes	1,050
e. Both ahead	1 hour	1,100
f. Both ahead	1 hour	1,250
g. Both ahead	1 hour	1,350
h. Fuel temperature (°F) or (°C) as appropriate.		

5. On completion of the trial the fuel consumption figures are to be compared with previous results and the consumption in gallons for each of the above conditions, fuel temperature, and any comments on the results obtained are to be reported by the Base Staff, in manuscript, together with sample readings of lubrication oil and engine fresh water temperatures for each of the above trials. Copies of these reports are to be forwarded to COMAUSMINPABFOR FOCAF and DFM Navy Office.

6. These instructions, which are complementary to those contained in Navy Order 14/74, will provide records which will assist in ensuring that maximum engine operating performance and fuel economy are maintained.

(1905/6/1)

(Navy Order 14/74, DI 1/74)

UNCLASSIFIED

227/74—RAN Catalogue of Materiel—Reference of a Service Stock Number to More Than One SSN

1. The following items currently held under one Stock Number have been re-identified by two Stock Numbers.

Old Stock No.	Description	CL	UI
a. 3110MS MSTA-104-SK	BEARING SET	C	SE
b. 3110MS LE4	BEARING BALL	C	EA

New Stock No.	Description	CL	UI
a. 3110 66-073-2878	.. DOT BALL BEARING ..	C	EA
a. 3110 66-073-2888	.. DOT ROLLER BEARING ..	C	EA
b. 3110 66-073-2850	.. BEARING LS5PP ..	C	EA
b. 3110 66-073-2851	.. BEARING LS5RSS ..	C	EA

2. Stock holdings, store accounts and records are to be adjusted accordingly quoting this Navy Order as authority.

(400/67/725)

UNCLASSIFIED

228/74—Electronic Tubes and Devices—Semi-conductors—The Services List of Preferred Electronic Tubes and Semi-conductors—DEF (AUST) 3800A

1. Electronic tubes and semi-conductors for use in Service equipment of Australian design should be selected as far as possible, from those listed in the latest revision of Australian Defence Standard DEF (Aust.) 3800A 'Electron Tubes and Semi-Conductors'. The lists of electronic tubes and semi-conductor devices included in DEF (Aust.) 3800A are reviewed at appropriate intervals and kept up to date, in line with best modern practices.

2. The objects of publishing DEF (Aust) 3800A are:

- to ensure that only modern and readily available tubes and semi-conductors are used in Service equipment of Australian design; and
- to prevent the unnecessary addition of new types of tubes and semi-conductors as items of Service stores.

3. Ordering authorities are to ensure that every invitation to tender for any equipment which might involve a new design employing electronic tubes (including radio tubes, cathode ray tubes, photo cells, voltage regulator tubes, magnetrons, klystrons, gas switch tubes) and/or semi-conductors stipulates that a report in the form of Appendix 'A' to DEF (Aust) 3800A shall accompany the tender. This report requires the provision of a list of the electronic tubes and/or semi-conductors the tenderer intends to use in the design. Copies of these reports are to be forwarded to DNEP Branch for approval prior to placing the order. Authorities responsible for preparing procurement specifications for equipment which might involve electronic tubes and/or semi-conductors are to ensure that appropriate reference is made to DEF (Aust) 3800A in the text of the specification.

4. Copies of DEF (Aust) 3800A may be obtained by authorities concerned from The Manager, Central Drawing Office, Department of Supply, Maribyrnong, Victoria 3032.

5. Navy Order 277/71 is hereby cancelled.

(519/54/41)

(Navy Order 277/71)

UNCLASSIFIED

AMENDMENTS

229/74—Cables, Glands and Wiring Cables—Semi-air Spaced, Aluminium Sheathed—Installation Precautions to be Observed

Navy Order 257/73 is to be amended as follows:

Paragraph 2 b (4) delete '8030-99-224-2159 PACKING MATERIAL (plastic filling compound)' and insert '0474-224-4881 GASKET FORMING COMPOUND'

(501/54/762)

(Navy Order 257/73)

UNCLASSIFIED

230/74—Introduction of Shoe Style Diving Fin

1. Navy Order 441/71 is amended to include the following additional sizes of Shoe Style Diving Fins now available for issue:

Class	Catalogue No	Description	Unit of Issue	Acctg Classn
8465	66-068-5188	SWIM FINS, SMALL	.. PR	P
8465	66-068-5189	SWIM FINS, MEDIUM	.. PR	P

2. Demands are to be placed with the Suptg Victualling Store Officer, Sydney (Depot Code 0124).

(512/74/352)

(Navy Order 441/71)



AUSTRALIAN NAVY ORDERS

SECTION 1 - GENERAL

231/74 Orders of Service and Wearing—Officers
232/74 The Queen's Gold Medal
233/74 Travel to Papua-New Guinea

SECTION 2 - OPERATIONAL

234/74 Naval Office, Canberra,
9 August 1974.

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 ON

Section 2
PERSONNEL

UNCLASSIFIED

231/74—Eastern Orthodox Denomination Holy Days 1975 and 1976

Return to the signature of the Service. Some of absence pay is granted to Royal Australian Naval personnel returning to the Eastern Orthodox Denomination who have been to service in following Holy Days in 1975 and 1976, in the absence of the Eastern Orthodox denomination.

a. 1975	1 January 1975
Good Friday	1 May 1975
Easter Day	1975
b. 1976	1 January 1976
Good Friday	1976
Easter Day	1976

CONTENTS

No Title

SECTION 2—PERSONNEL

- 231/74 Eastern Orthodox Denomination Holy Days 1975 and 1976.
- 232/74 Return of Service and Bonding—Officers
- 233/74 The Queen's Gold Medal.
- 234/74 Travel to Papua-New Guinea

SECTION 3—OPERATIONAL AND TRAINING

- 235/74 Seaman Officers Specialising in Submarines—Training and Employment from OTC to COQC.

SECTION 5—BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

- 236/74 Publications—Introduction of Form SO150—Requisition for Publications.

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

231/74—Eastern Orthodox Denomination Holy Days 1975 and 1976

Subject to the exigencies of the Service, leave of absence may be granted to Royal Australian Naval personnel belonging to the Eastern Orthodox Denomination who may desire to observe the following Holy Days in 1975 and 1976, in lieu of those observed by the other Christian denominations:

- a. 1975—Christmas Day .. 7 January 1975
- Good Friday .. 2 May 1975
- Easter Day .. 4 May 1975
- b. 1976—Christmas Day .. 7 January 1976
- Good Friday .. 23 April 1976
- Easter Day .. 25 April 1976

(323/1/24)

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

*Amended by 244/75
Non-wit cases*

232/74—Return of Service and Bonding—Officers

1. There has been a number of recent changes in the requirements for return of service obligation for male and female officers of the Australian Services. The tables at Annexes A and B show the obligation for the various types of training/service which will be expected in the normal course for male and female officers in the future. An officer will not be released before expiration of the specified period of service unless there are sufficient compassionate or other grounds.

2. Where an officer is obligated under more than one return of service, his service discharges all returns concurrently.

3. An officer will be permitted to refuse a posting on the grounds that it carries with it a return of service obligation extending beyond that which he is currently obliged to serve. In such cases it will be for the Naval Board to decide whether the posting is cancelled or whether the return of service obligation is waived.

4. Officers released from a return of service obligation at own request may be required, where considered necessary, to pay such sum as the Minister determines as reimbursement towards training and maintenance costs.

5. The return of service repayment will commence as follows:

- a. RANC graduates—on the day on which the officer first receives the Common Scale of Pay.
- b. Undergraduate entry—on commencement of Permanent or Short Service Commission.

- c. Short Service Commission Officers—on commencement of the Short Service Commission.
- d. Courses (not covered above)—on the day after completion of course.
- e. Officers recruited from overseas—on the date of appointment to the RAN.
- f. Period of employment on Special Duties or course of Special Training—on the day after completion of period of Special Duties or Special Training.
- g. Exchange service—on the day on which officer departs for Australia.

Bonding

6. Monetary bonding ceased on 2 January 1974. Persons under bond at the date of discontinuation of bonding are released from further repayment of bond moneys.

7. Bond money paid prior to 2 January 1974 will not be refunded. Money paid after that date will be reimbursed.

General

8. These regulations apply retrospectively to all previous service and training.

9. RI Article 0347 Paragraphs 5 through 8 will be amended.

ANNEX A

**Table I
Training in Australia**

Type of Training	Return of Service (Years)
Naval College (including University)	
Pre-matriculation	Nil
Post-matriculation (academic and formal professional training) ..	One year of service for each completed year of training, plus one additional year.

- Notes:*
1. An officer will be permitted to resign without any penalty at any time before commencing his third year of post-matriculation training.
 2. 'Years' refer to years under training not university years eg, an officer who takes four years to complete a course normally completed in three years will have a five year return of service obligation.
 3. Where a course terminates shortly before the end of a year eg, in November as in Universities, the officer will be considered as having been under training for a full year.
 4. Fractions of a year, eg, where an officer completes his training at Supplementary or Post examinations do not count for return of service.

ANNEX A—continued

Type of Training	Return of Service (Years)
Undergraduates	
<i>Dental:</i>	
entered during 3rd year	4
entered during 4th year	3
entered during 5th year	2
<i>Engineering (degree course):</i>	
entered during 2nd year	5
entered during 3rd year	5
entered during 4th year	5
<i>Engineering (diploma course):</i>	
entered during 2nd year	5
entered during 3rd year	5

Note: The return of service of Engineer Officers is longer than might otherwise be expected because of their extensive post graduate/diploma training undertaken during their return of service.

Medical

entered during 4th year	4
entered during 5th year	3
entered during 6th year	2
entered during present 1 year residency	Nil

Note: If a two year residency is introduced, officers who enter during the first year of that residency will have a one year obligation. Officers who enter at University and undergo a two year residency will have their obligations above extended by one year.

Short Service Commission Officers

Aircrew	6
Engineer (RMIT trained)	5
Seaman and ATC	5
Supply	5

Note: Where Short Service Officers enter fully trained, or where they require under 6 months initial training after entry, there will be no return of service obligation for training.

Courses generally (not included above)

Courses under 6 months duration	Nil
Military courses	Nil
Non-military courses:	
over 6 months and up to 18 months	2
over 18 months and up to 30 months	3
over 30 months and up to 42 months	4
over 42 months and up to 54 months	5
over 54 months	6

6 months interval — 1 year longer than the length of training

(Amended by APO 044/75) / 75

ANNEX A—continued

Type of Training	Return of Service (Years)
<p><i>Note:</i> 'Military Courses' include all service courses which are designed to improve military skills, and include staff courses. 'Non-military courses' are courses, usually conducted by civilian organisations, which improve an officer's market value in the civilian job market, and which are non-military oriented eg, language training, oceanography, catering, business administration, degree courses. An improvement in 'market value' occurs when, in the opinion of the Naval Board, completion of the course in question would result in a significant differential in the payment received in the civilian job market: When an officer is posted to a 'non-military' course he will be informed either directly or through general orders that the course carries a return of service.</p>	

ANNEX B

Table II

Service and Training Overseas

Type of Service/Training	Return of Service (Years)
Period of service outside Australia (<i>see Note 5</i>)	3
Employment on RAN duties (eg, staff of an overseas post, standing by a ship building)	Nil
Loan service	Nil
Staff Course	2
Course of special training or special duties (<i>see Notes 3 and 4</i>):	
a. up to and including one year	2
b. over one year	3
c. over two years	4

Notes: 1. The length of training is to be the total length of time during which a member is on course in an overseas country or countries. Where a number of courses is undertaken between one departure and return to Australia, total course time will be the sum of the individual courses. Odd days will be aggregated and added to total length on the basis of five working days equalling one week.

ANNEX B—continued

Type of Service/Training	Return of Service (Years)
2. The length of service overseas on special duties will be the total length of time between the member's first arrival in the country in which he is to serve and his final departure from that country. Where a member serves in two or more foreign countries without being posted back to Australia between overseas postings, length of service overseas will be the sum of all periods on service overseas on special duties.	
3. 'Course of Special training'. Any course of instruction in which the Department has incurred expense by the attendance of the officer.	
4. 'Period of employment on special duties'. Periods of employment which result in an officer acquiring special knowledge which is of value to the navy but excluding normal loan service in other navies. (When posted to special duties, officers will be so informed.)	
5. 'Period of service outside Australia'. Any posting overseas on exchange service.	

Officers Recruited Overseas, where the officer's transport, or his family's transport, was at the expense of the Australian Government . . . 3 years.

(320/1/17)

UNCLASSIFIED

233/74—The Queen's Gold Medal

The Queens Gold Medal is awarded annually to the Cadet Midshipman of the graduating year who, during his period of training, exhibits the most exemplary conduct, performance of duty and good influence among his fellows. The recipient, in addition to receiving the medal, has his name inscribed on an Honor Board. The Queen's Gold Medal was first presented (as the King's Gold Medal) in 1916.

1973 Winner: Midshipman J. C. Stanbury RAN.

(N381/1/2)

UNCLASSIFIED

234/74—Travel to Papua-New Guinea

1. Although Papua-New Guinea is now self-governing, for the purposes of travel it is still classified as a 'remote locality' and the provisions of Chapter 11 of ABR 5020 (NPI) still apply.

2. Losing ships and establishments are to continue to arrange passages for personnel to Papua-New Guinea as at present.

3. The Australian High Commission, Port Moresby, is to be included as an information addressee in movement advice correspondence and signals concerning visits (but not removals) to Papua-New Guinea.

(N522/1/3)

Section 3

OPERATIONAL AND TRAINING

UNCLASSIFIED

235/74—Seaman Officers Specialising in Submarines—Training and Employment from OTC to COQC

1. This order is to inform Seaman Submarine Officers, prospective Seaman Submarine Officers and those responsible for recommending and training such officers for service in submarines, of the possible career patterns which may follow their entry into the Officers Training Course (OTC) to the Commanding Officers Qualifying Course (COQC).

Sources of Seaman Submarine Officers

2. Seaman Officers for service in submarines will be drawn from those officers who have already qualified for their Full Bridge Watchkeeping Certificate (FBWC) and Ocean Navigation Certificate (ONC). Officers should indicate their preference for Submarine Service at an early date to facilitate their posting to major fleet units for the award of FBWCs. Submarine Seaman Officers are generally Lieutenants or due for such promotion shortly after commencing OTC.

Initial Training

3. The Officers Training Course is conducted at the Submarine School at HMS DOLPHIN, Gosport, Hampshire, England.

4. The Officers Training Course lasts for nine and a half weeks after which officers are posted to submarines 'under training' for a further period of three months. At the end of this period officers are given a final examination and if successful are awarded the notation SM against their names in the Navy List. During this period of training they should not normally be given ships duties to perform.

Employment

5. The normal employment progression of officers after qualifying SM should be in the following order and rank:

- a. Torpedo Officer.
- b. Navigating and Communications Officer (both a. and b. may be LEUT or SBLT).
- c. Sonar Officer (LEUT).
- d. Executive Officer (LCDR or LEUT)

Officers can normally expect to serve for a minimum of a year in each of the billets a, b and c, but the time will vary according to the officer's own progress and performance, the manning requirements and the operational employment of individual submarines.

6. During the OTC all officers undergo a refresher week of navigation at the Navigation School. Whenever possible officers should undergo the appropriate courses in the Submarine School before taking up duty as Torpedo Officers (four day course) or Sonar Officers (four week course). Where access to the Submarine School is not possible, alternative courses will be arranged in Australia.

7. The average officer should have been recommended for appointment as Executive Officer after three and a half to four and a half years in submarines.

8. It is Naval Board policy to post General List Officers for a period of service away from submarines between OTC and COQC, but this may not always be possible, and will depend upon the following:

- a. availability of a suitable billet at the appropriate time;
- b. selection for staff or training duties;
- c. each officer should spend eighteen months to two years as an XO prior to the COQC.

9. Supplementary List Officers will normally complete their period of obligated service in postings associated with submarines.

Executive Officers of Submarines

10. Officers are posted as Executive Officers of submarines as soon as practicable after being recommended for such duties. Such a posting may be delayed by the requirement to fill training and staff billets or to be posted to a General Service billet. The aim is for suitable officers to spend a minimum of eighteen months as XO.

11. Prior to posting as Executive Officer, officers will undertake the Attack Co-ordinators Course at HMAS WATSON in the Submarine Command Team Trainer.

Exchange Postings for Seaman Submarine Officers

12. The following exchange agreements are maintained with the RN:

- a. one officer at CO level; and
- b. one officer at XO level or below.

Recommendations for Submarine Command

13. The rules for Recommendations for Submarine Command are published in Navy Order 76/74. In general, the intention of the reporting system is to build up a series of reports on each officer specifically related to his Command potential for a period of at least three years prior to his likely selection for the COQC. It should thus be possible to ensure that the outstanding officer is placed on an early COQC, while the officer unlikely to succeed in submarines is identified early enough to make a new start in General Service without prejudice to his promotion prospects.

14. Navy Order 214/72 is hereby cancelled.

(303/201/53)

(Navy Orders 214/72 and 76/74)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

236/74—Publications—Introduction of Form SO150—Requisition for Publications

1. Form SO150 has been introduced for requisitioning basic publications from the Executive Officer, Publications Authority, Garden Island, N.S.W. 2000.
2. Form SO150 is not to be utilised for requisitioning:
 - a. Registered Publications (Defined in ACB 0337), COMTAC (Communication and Tactical) Publications (both classified and unclassified), and Allied Communications Publications (ACPs) (both classified and unclassified); these are distributed by the Distributing Authority (Melbourne) DA (M) in accordance with already established procedures.
 - b. Hydrographic charts, tables, documents, etc which are to be demanded from the Hydrographer, RAN, IBM Building, Kent Street, Sydney NSW 2000, in accordance with Navy Order 114 of 1974, Paragraph 9 d.
 - c. Commercial, Military, Defence and Departmental Standards and Specifications which are to be demanded from the Director of Naval Quality Assurance (DNQA), Department of Defence (Navy Office), Russell Offices, Canberra, ACT 2600, on Form SX125.
 - d. Ordalts, ECPs and other modification documentation, which are dealt with by the Technical Authorities concerned.
 - e. Changes and/or amendments to basic publications. Forms SX12 or SX40 are to be utilised for this purpose.
 - f. Educational text books and books for Ships' Libraries which are the responsibility of the Director of Naval Education Services (DNES), Department of Defence (Navy Office), (Navy Order 316/73 refers).
3. Form SO150 supersedes Forms SO139—Request for Publication of British or Australian Origin, and SO140—Request for Publication of American Origin.

General

4. Form SO150 has been devised to provide a common reference number for both the originator and the Navy Publications Authority, and to allow early supply status advice to the originator. The form is produced in quadruplicate on No Carbon Required (NRC) paper, and in pads of fifty sets. Demands for Forms SO150 should be placed on the SVSO Sydney (Store Depot Code 0086) and should not exceed twelve months requirements eg, if an average of seventy-five requests for publications are lodged in a period of twelve months only two pads should be demanded.

Procedure

5. Form SO150 is to be completed in quadruplicate; the pink copy retained by the originator, the white, canary and green copies are to be forwarded to the Executive Officer, Navy Publications Authority, Garden Island. Initial requirements for a publication are an exception and in this case the form is to be routed through the Administrative Authority for the ship or establishment.

6. Form SO150 is to be completed as follows:
 - a. originator (full title) must be the title of the Ship/Establishment/Directorate/Authority and not that of a sub-section or internal branch;

- b. a series of publications should not be ordered on the one form. It should be noted that each publication or part thereof may be subject to differing supply status;
- c. the Source Code should be identical with that appearing on the NAVPUB Reports (Navy Order 158/74 refers);
- d. the originators Reference No should consist of sequentially allocated numbers beginning with 1, followed by a two digit suffix representing the year, eg the Reference No. for the tenth SO150 submitted for 1974 would appear as 10/74;
- e. the quantity required is to be entered in the box in the second block headed 'Distribution';
- f. for Initial miscellaneous publication requirements, the box headed 'Reason Required' is to be completed. A miscellaneous publication is one which does not have a number allocated in a recognised publication series eg, NS (Navships) BR (Book of Reference);
- g. Forms SO150 submitted for miscellaneous publications, other than those dealt with in Sub-paragraph 6 h. (below) must be accompanied by a justification statement along the lines set out in Annex A;
- h. the 'Publisher' and 'Equipment Manufacturer' boxes are to be completed for miscellaneous publications required in support of equipments (*see* Paragraph 7);
- i. all other boxes are to be completed as necessary;
- j. the figure entered in the 'Current Allowance—NAVPUB' box should be the 'Qty Allowed' figure derived from the NAVPUB Publication Report amended to date by the two monthly EDP Report (Paragraph 3, Navy Order 158/74 refers).
- k. the figure entered in the 'Quantity Held' box should be the total holdings of the Ship/Establishment etc and not that of an internal section or branch ie the total holdings against the Source Code;
- l. the figures at j. and k. will govern whether the requisition is for an Additional, Initial or Replacement issue, eg:
 - (1) if the NAVPUB Report indicates an Allowance of 2 and a Holding of 2, but the actual holding is only 1, the type of issue will be Replacement if the requisition is for one copy only;
 - (2) where the NAVPUB Report indicates both an Allowance and a Holding of 2, and the information is correct, then the Requisition will be for Additional copies;
 - (3) Initial issues are those where the publication is not listed on the NAVPUB Report;
- m. Personal and Repayment Issues are not subject to NAVPUB action;
- n. all other boxes in this block are self explanatory;
- o. all Forms SO150 shall be signed by a responsible officer in the box provided: Originator (Signature and Rank);
- p. incomplete forms or those not providing sufficient detail to enable supply will be returned for completion thus delaying supply;
- q. the green copy of Form SO150 will be returned to the originator indicating the action taken. This will also be done for those Requisitions, which are not approved.

General

7. Requisitions for Technical MBRs or Miscellaneous Publications required in support of an equipment should state Equipment Type, Model, Serial No, and Manufacturer's Name and Address. This action will assist in arranging early supply of the correct publication.

8. Normal minimum lead times are as follows:

(Note: these will vary whenever special circumstances apply eg, publication being revised, reprinted etc).

Origin	Lead Time
USN	6 months
US Other	4 months
MOD (N), UK	5 months
UK Other	5 months
Local Publications	6 weeks
Ex Stock	4 weeks

The above lead times allow for transit and processing times.

9. Requisitions should indicate a realistic Required Delivery Date and be submitted immediately a requirement becomes known. Priority Requisitions should be annotated as such and will be progressed with a minimum of delay. Signal Requisitions are normally only effective for publications available ex stock or in-country and should only be used in extreme emergencies.

10. For USN publications, security classified 'Confidential' or above, a longer lead time can be expected, as release approval must be obtained from the USN prior to procurement. Therefore, Forms SO150 submitted for these publications should clearly state full justification for the requirement (Specific Military Need).

11. Approved requisitions for basic publications will be issued with all available updating. It is not necessary to demand updating when requisitioning a basic publication.

12. All queries concerning supply of publications requisitioned on Forms SO150 should be directed to the Executive Officer Publications, Garden Island, N.S.W. 2000, quoting the Source Code and Reference No.

13. Separate instructions regarding submittal of Forms SO150 have been promulgated for Navy Office Directorates, Branches etc.

14. ABR 4 Chapter 25 will be amended.

ANNEX A

Executive Officer Publications
GARDEN ISLAND NSW 2000

From:

Justification for Purchase of a Commercial Publication

It is recommended that the commercial publication detailed on the attached SO150 be obtained.

Recommended by..... Section.....

Supporting Statement:

- (a) brief outline of contents.....
- (b) project or special study for which required.....
- (c) standing and/or reliability of publication.....
- (d) reviewed in (please attach copy of review).....
- (e) other comments.....

Date: / /

Signature.....

(Navy Orders 316/73, 114/74 and 158/74)

(465/61/228)

AD-302

21

7. The following are Technical Skills and Professional Experience required to support the assignment of the position of Assistant Director, Office of the Inspector General.

Grade	Minimum Years of Experience
GS-15	10 years
GS-14	8 years
GS-13	6 years
GS-12	4 years
GS-11	2 years
GS-10	0 years

The above listed skills shall be used for determining the minimum requirements for the position of Assistant Director, Office of the Inspector General. The minimum requirements for the position of Assistant Director, Office of the Inspector General shall be determined by the requirements of the position of Assistant Director, Office of the Inspector General. The minimum requirements for the position of Assistant Director, Office of the Inspector General shall be determined by the requirements of the position of Assistant Director, Office of the Inspector General.

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19. The minimum requirements for the position of Assistant Director, Office of the Inspector General shall be determined by the requirements of the position of Assistant Director, Office of the Inspector General.

20. The minimum requirements for the position of Assistant Director, Office of the Inspector General shall be determined by the requirements of the position of Assistant Director, Office of the Inspector General.

DALS

RESTRICTED

ANOs 237/74-254/74



AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
17 August 1974.

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

CONTENTS

No *Title*

SECTION 1—ADMINISTRATIVE AND GENERAL

- 237/74 Improvised Explosive Devices (IEDs)—Threats to HMA Ships and Naval Establishments.
238/74 Motor Transport—Carriage of Stores.

SECTION 2—PERSONNEL

- 239/74 Allotments—Life Insurance Policies.
240/74 Entry, Training and Promotion of Qualified Tradesmen and Technicians.
241/74 Sailors' Titles and Abbreviations.

SECTION 3—OPERATIONAL AND TRAINING

- 242/74 Seacat Aimers—Pre-firing Refresher and Continuation Training at HMAS CERBERUS.

SECTION 4—EQUIPMENT, STORES AND SERVICING.

- 243/74 Ammunition—Pyrotechnics—Marine Illumination Signals.
244/74 Gland Packing for Daring Class Sprayer Control Valves.
245/74 Introduction of Blank Firing Attachment for 7.62 mm Rifles L1A1 and L2A1.
246/74 Oven Roasting Bags—Introduction into the RAN for Use As a Cooking Aid.
247/74 Vibration Analysis as a Maintenance Aid—Introduction.

SECTION 5—BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

- 248/74 BR 1971—Visual Signalling and Equipment Handbook 11970—Replacement.

SECTION 7—CANCELLED LIST

- 249/74 Cancellation of Navy Orders.

AMENDMENTS

- 250/74 Ammunition—Guns and Missiles—Interim Practice Allowances.
251/74 Introduction of Safety Spectacles for Wear by Visicorder Operators.
252/74 Introduction of Suspect Item Numbers.
253/74 Line Throwing Equipment—Machines Rewinding Mark 1 Mod 1—Introduction into Service.
254/74 Payment of Oversea Allowances, During Leave to Members Serving Overseas on Long Term Duty.

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

237/74—Improvised Explosive Devices (IEDs)—Threats to HMA Ships and Naval Establishments

Introduction

1. In recent years the risk to Australian Government personnel and property from Improvised Explosive Devices (IEDs) has increased remarkably. The two major threats have been the 'letter bomb' and the 'bomb hoax'. This instruction is intended to provide advice and guidance to service and civilian authorities within the RAN so that they may be prepared for IED incidents if they occur. Local administrative and operational authorities are to ensure that plans and an organisation are provided for each ship and establishment based on this instruction.

Bomb Threats

2. The best defence against the 'bomb threat' is a plan evolved to fit the needs of the ship, establishment, branch, building or office. It should overlay, or be a part of, the general planning for fire or other emergency, eg, in RAN shore establishments, the Passive Defence organisation.

3. In all known cases a telephone call was the method used to advise that a bomb had been placed. Most 'bomb threat' calls are made to directory listed switchboard numbers, however, with direct dialling facilities to offices and individuals, anyone can receive such a call. How the receiver of the threat reacts and how the organisation responds is the key to preservation of life and property.

4. The basis of any plan should be to obtain as much information as possible from the threatener, contact appropriate authorities, appraise the threat, and search the ship, premises or grounds. If a suspicious object is found, evacuate the danger area.

The Call

5. The phone call will be the only contact with the terrorist and possibly the only chance to get vital information. A procedure for recipients of such calls is essential.

6. In most cases it has been possible to get more information than just the warning. The receiver of the call should try to ascertain the following information:

- WHEN, (when will it go off?)
- WHERE, (where is it placed?)
- WHAT, (what does it look like?)
- WHY, (why are you doing this, motivation, leading up to:)
- WHO, (who are you?)
- WHERE, (where are you?)

7. Other information implicit in the call is sex, age, accent, speech impediment and background sounds. This can help identify a caller and help in appraising the gravity of the threat. The receiver should preserve the message and all notes made during the call. Annex A is a suggested pro-forma for this purpose.

8. Whenever possible a phone trace is to be attempted. If a call is made from a 'crossbar' (new style) exchange number to a 'crossbar' exchange number, leaving the receiver off the hook keeps the line open and enables PMG technicians to trace the origin. **DO NOT REPLACE THE RECEIVER.**

Command and Organisation

9. In HMA ships and establishments, 'command' rests with the Commanding Officer or his delegate. In the non-service situation, a co-ordinator must be appointed to take control and initiate prepared contingency plans. His name and phone number, together with those of his deputies should be widely promulgated.

Searching for IEDs

10. Emergency organisations should allow for the nomination of a search team which is capable of immediate reaction to an IED situation. It is imperative that a plan of action be developed, each member briefed and assigned an area, and an internal reporting system devised. Search area sectors should be small enough to complete in twenty minutes or less.

11. If telephone or radio communications are not readily available it is recommended that team members move in pairs remaining within hearing distance of each other. If a suspicious object is located, one person should clear the local area of personnel while the other reports the find.

12. Care must be taken when using radio communications. Under certain conditions, the power from a radio transmitter can trigger an electrically-detonated or radio-activated device. If a suspicious object is located, do not attempt radio transmissions from that area.

13. Where a definite area has not been identified by a caller, the building search team should be directed first to public areas, lobbies, rest rooms, stairwells, fire escapes and any other portion of the building that is available and open to public use. In ships, initial attention must be paid to areas where a saboteur could expect maximum effect, eg, weapons, machinery spaces or ships side compartments below the water line.

14. Identifying an IED as such can be extremely difficult because it may take many forms, ranging from the overt bundle of dynamite and clock, to cleverly concealed, perfectly ordinary objects. Brief cases and paper bags are common, vacuum flasks, torches, purses and tool-boxes have been used. The IED is usually **SOMETHING THAT DOESN'T BELONG WHERE IT IS AND/OR DOESN'T FIT ITS SURROUNDINGS.**

15. If a suspicious object is found **DO NOT TOUCH OR MOVE IT.** The modern explosive package is highly sophisticated. There have been instances of pipe bombs with an obvious burned-out fuse, apparently duds, but booby-trapped with motion-sensitive fusing. Search team members should stay as far away as practical while still able to keep others from entering the danger area until the Explosive Ordnance Disposal (EOD) team arrives.

16. Search time and potential hazard can be reduced if the doors to areas, cabinets and closets that are infrequently used are locked. Entrances to critical locations, should be locked and access limited to essential personnel as far as is practical.

17. In multiple floor buildings, each floor should have a warden who can supervise a search and direct an evacuation. Search teams, wardens, co-ordinators should meet regularly to review procedures, up-date the plan, adapting to new information, and have a definite search plan for each floor which identifies the warden, searchers and critical areas.

18. In large buildings with multiple tenancy, a co-operative plan should be worked out with the building management to co-ordinate emergency planning with other tenants.

Building Evacuation

19. Evacuation routines should be posted prominently and where practicable can be the same as fire drill evacuation routines. Personnel should take all personal belongings with them. A handbag, an attache case or some other package left behind and unidentified can pose a problem for the searchers and EOD personnel. As a general rule people evacuated are to be at least three hundred feet away from the suspected object.

20. In evacuating an area the following methods have proved to be practical and efficient:

- a. *PA announcement.* Prepared announcement ready for use when required.
- b. *Telephone cascade.* Calls made to several departments, they in turn, call several, etc until all are notified. Supervisors of those departments will notify their people verbally and help clear the area.

21. Search teams can help with the evacuation and check that everyone is out. All the evacuees should stay together and be prevented from re-entering the building.

22. In occupied, multiple floor buildings, when an explosive device is found, three floors are to be cleared first. The one on which the object is found, the one below and the one above. Modern buildings constructed to current codes can withstand sizeable detonations and keep their structural integrity but the chance of fire remains. Older buildings may pose special problems.

23. A decision should be made in advance concerning utilities such as water, gas and electricity. If an explosion is anticipated, it is generally best to shut off all utilities, however other considerations must be taken into account. Lights may be needed for search; electrical power may be needed to operate lifts to evacuate personnel. A shut down of computers that demand continual power could be as disastrous as an explosion. The same is also true for other processes. The potential risk in a bomb threat has to be balanced against the cost of damage to equipment and machinery if the process is abruptly terminated.

Explosion

24. There may be no warning of a bomb threat, and the blast could be the first indication of trouble. Safety of personnel is paramount and evacuation should commence immediately. Police, fire brigade and designated authorities should be notified; medical aid should be summoned if needed. Utilities that may be contributing to damage must be cut off. Bombings of this type are not necessarily limited to one device and there may be a need to conduct an additional search of the premises.

Re-Occupation

25. Only after a thorough search should consideration be given to re-occupation. No one can give positive assurance that no bomb exists; the potential risk has to be balanced against practical considerations.

Letter Bombs

26. The instructions and advice contained in this section should be made known to all those who handle incoming mail but it must be made quite clear that the issue of this instruction does not mean that the threat has increased in any way. This section is a guide to the recognition of letter and parcel bombs and on action to be taken in the event of a suspected device being found. It should be appreciated that it covers only known devices and that terrorists are always seeking new and improved methods of delivery. All mail or objects which are in any way unusual should be treated with suspicion.

UNCLASSIFIED

238/74—Motor Transport—Carriage of Stores

1. A recent incident involving a Navy vehicle which caught fire was caused by loose equipment short circuiting across the terminals of a loose battery carried in the vehicle. The situation was further aggravated by the carriage of petrol in cans in the same vehicle.
2. In all cases of carriage of loose batteries, care is to be taken to ensure that batteries cannot inadvertently be short circuited by loose articles.
3. Petrol should only be carried in containers when no suitable supplies are available at the destination. When carriage of petrol is essential a BCF extinguisher must be carried in addition to the normal vehicle extinguisher. A 1 x 5lb BCF extinguisher would be adequate for 4 x 4 gallons of petrol.
4. Care must be taken when loading vehicles with stores and petrol, that the petrol is loaded last and the BCF extinguisher is placed away from the petrol in a readily accessible position.
5. BR 5013 will be amended in due course.

(32/3/26)

Section 2

PERSONNEL

UNCLASSIFIED

239/74—Allotments—Life Insurance Policies

1. In the declaration of an allotment to a life insurance company, care should be taken to indicate quite clearly whether the allotment is a payment of a premium on a life insurance policy or an allotment in repayment of a loan on a policy. This information is to be shown in the box headed 'Title of Account, or Allottees Reference (Policy No etc)' on Form FL1 (Declaration of an Allotment).
2. Commission is payable by life insurance companies to the Government for payment of premiums of life insurance policies but not in respect of loan repayments. Hence, if a loan repayment is wrongly categorised under the allotment system, the commission payable by the insurance company may be incorrectly charged to the member.

(271/1/62)

UNCLASSIFIED

240/74—Entry, Training and Promotion of Qualified Tradesmen and Technicians

1. The rules for entry, training and promotion of Direct Entry Tradesmen have been revised and are effective from 1 January 1974.

SAILSTRUC Categories

2. With the introduction of SAILSTRUC training in the RAN, the categories within the Technical Branches have been redefined as shown below:

<i>Branch</i>	<i>Category</i>
Marine Engineering	Marine Technical Propulsion Marine Technical Hull Marine Technical Power Electrics

<i>Branch</i>	<i>Category</i>
Weapons Electronic Engineering	Electronic Technical Weapons Electronic Technical Weapon 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/technicians to enter the RAN as Direct Entry Tradesmen/Technicians, it has been considered that only those tradesmen/technicians 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/Technicians 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>
Marine Engineering	
Fitter and Turner	} Marine Technical Propulsion (Steam)
Toolmaker	
Fitter and Machinist	
Fitter	} Marine Technical Propulsion (Diesel)
Diesel Engine Fitter	
Shipwright	Marine Technical Hull
Electrical Fitter	Marine Technical Power Electrics
Weapon Electronic Engineering	
Electrical Fitter	} Electronic Technical Weapons
Electrical Mechanic	
Radio Technician (ex-PMG, DCA)	} Electronic Technical Weapons Systems or Electronic Technical Communications
Telecommunications Technician (ex-PMG)	
Radio Tradesman	
Air Engineering	
Aircraft Maintenance Engineer	Air Technical Aircraft
Electrical Instrument Fitter—Aircraft Industry	Air Technical Weapons
Electrical Fitter—Aircraft Industry Radio Trades	Air Technical Communications

Selection Procedure

7. Direct Entry applicants will proceed to HMAS NIRIMBA and be tested as follows:
 - a. Skill of Hand (test job);
 - b. Engineering Theory (multiple choice paper); and
 - c. Engineering Practice (oral examination conducted by Engineering Officer(s)).
8. This method of screening will allow HMAS NIRIMBA to recommend:
 - a. acceptance/rejection;
 - b. grade of entry of the individual; and
 - c. follow up training of branch/category nature (elements of a phase course or appropriate PCTs).

Skill Grading on Entry

9. 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.

10. The Navy-trained tradesman is awarded the Grade 3 level of skill on completion of formal trade training and the relevant Task Books covering his on-the-job category training.

11. The Direct Entry Tradesman/Technician will be introduced into this structure at a point 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 will be determined by the area of experience to which he was subjected during and subsequent to his apprenticeship period.

12. A Direct Entry Tradesman will normally be entered at Grade 2 level of skill. The skill level of Grade 3 will be awarded on entry to those applicants who have completed an indentured apprenticeship qualified for the Technical Education Trade Certificate and for the Department of Technical Education (NSW) Certificate of Engineering Course or its equivalent.

Rank on Entry

13. Direct Entry Tradesmen/Technicians will be entered in the rank of Seaman. Subsequent promotion will be in accordance with the rules detailed in Paragraph 18.

14. Form PH14, in the space under Title, will be annotated with the rank and title on entry (eg SMNMTP2 on entry), as an indication of the different promotion and training rules applicable.

Rank Nomenclature

15. Titles of Direct Entry Tradesmen/Technicians will accord with the basic titles for their category.

Initial Training

16. Successful applicants will, on entry in the rank of Seaman Grade 2 or 3, undergo the basic recruit's course at HMAS CERBERUS. Thence, depending on their specialisation, they will undergo the appropriate direct entry category course. These courses are designed to acquaint the newly entered tradesmen with the peculiarities of their trade when applied to Naval conditions. The duration of the courses ranges from two to eight months.

Advancement in Skill Grade

17. Direct Entry Tradesmen/Technicians will progress in skill grade in accordance with the following table:

Grade		Requirements
From	To	
Ex-Tradesman		
2 (on entry)	3	a. Branch/Category course (at modified SAILSTRUC Phase III level); b. 6 months in an active billet; and c. complete NIRIMBA Part 2 Task Book.
3 on entry 3 ex-2	4	Normal SAILSTRUC Rules applicable to category.
Ex-Tradesman with Qualification of Certificate of Engineering		
3 (on entry)	4	a. Branch/Category course (modified SAILSTRUC Course); b. 6 months in an active billet; and c. complete NIRIMBA Part 2 Task Book.

Promotion

18. Except for time in rank, as shown in the following table, qualifications for promotion follow those required for the SAILSTRUC Apprentice Entry sailor. Promotion to Leading Seaman and above will be on a competitive basis and subject to vacancies in the aspired rank.

Rank	Approved alternative time in rank
Seaman Grade 2 on entry	
SMN to AB ..	12 months from date of entry.
AB to LS ..	6 months' service as AB Grade 3; or 12 month's service as AB Grade 2.
LS to PO ..	} No variation.
PO to CPO ..	
CPO to WO ..	
Seaman Grade 3 on entry	
ex-Tradesman	
SMN to AB ..	12 months from date of entry.
AB to LS ..	6 months' service as AB Grade 3.
LS to PO ..	} No variation.
PO to CPO ..	
CPO to WO ..	
Tradesman with Qualification of Certificate of Engineering	
SMN to AB ..	12 months from date of entry.
AB to LS ..	6 months' service as AB Grade 3.
LS to PO ..	12 months' service as LS Grade 4; or 24 months' service as LS Grade 3.
PO to CPO ..	} No variation
CPO to WO ..	

Pay

19. Direct Entry Tradesmen/Technicians will be paid pay applicable to their rank and skill grade from date of entry.

Implementation

20. The above rules are effective for Direct Entry Tradesmen and Technicians entered from 1 January 1974. ABR 10 and ABR 27 should be noted accordingly pending promulgation of amendments to those publications.

(302/1/107)

UNCLASSIFIED

241/74—Sailors' Titles and Abbreviations

1. The sailors' titles and abbreviations listed at Annexes A, B, C, D, E and F below came into force on 1 January 1974 and are to be used in all correspondence reports, returns, etc.

2. Several RATSTRUC sailor categories have been allowed periods in which to obtain certain qualifications and recommendations and promoted to the higher rank or a provisional basis. The following rank prefix is to be used for sailors provisionally promoted:

Prefix (in full)	Prefix (abbreviated)	Example
Provisional	P/	P/POMTP3 P/PODENM

3. Titles and abbreviations shown in Navy Orders 424/72, 16/73 and 43/73 are to be amended to conform to those given in this order.

4. This order will be reprinted for posting on noticeboards.

5. ABR 5016 (RI) and ABR 5063 (Electronic Data Processing) will be amended.

ANNEX A

Sailors, Titles as at 1 January 1974

Previous Title Abbreviation	New Title (in full)	New Title Abbreviation
JR	Junior Recruit	JR
RCT	Recruit	RCT
ORD (Before Cat.)	Seaman	SMN
ORD U/T	Seaman (Category to be inserted* eg, Seaman Cook*)	SMNCK*
Seaman Branch		
WOCOX	Warrant Officer Coxswain	WOCOX
CPOCOX	Chief Petty Officer Coxswain	CPOCOX
POCOX	Petty Officer Coxswain	POCOX
LSCOX	Leading Seaman Coxswain	LSCOX
WOQMG	Warrant Officer Quartermaster Gunner	WOQMG
CPOQMG	Chief Petty Officer Quartermaster Gunner	CPOQMG
POQMG	Petty Officer Quartermaster Gunner	POQMG
LSQMG	Leading Seaman Quartermaster Gunner	LSQMG
ABQMG	Able Seaman Quartermaster Gunner	ABQMG

ANNEX A—continued

Previous Title Abbreviation	New Title (in full)	New Title Abbreviation
ABQMG2	Seaman Quartermaster Gunner	SMNQMG
W OCD	Warrant Officer Clearance Diver	W OCD
CPOCD	Chief Petty Officer Clearance Diver	CPOCD
POCD	Petty Officer Clearance Diver	POCD
LSCD	Leading Seaman Clearance Diver	LSCD
ABCD	Able Seaman Clearance Diver	ABCD
ABCD2	Seaman Clearance Diver	SMNCD
WOSR	Warrant Officer Surveying Recorder	WOSR
CPOSR	Chief Petty Officer Surveying Recorder	CPOSR
POSR	Petty Officer Surveying Recorder	POSR
LSSR	Leading Seaman Surveying Recorder	LSSR
ABSR	Able Seaman Surveying Recorder	ABSR
ABSR2	Seaman Surveying Recorder	SMNSR
WOUW	Warrant Officer Underwater Weapons	WOUW
CPOUW	Chief Petty Officer Underwater Weapons	CPOUW
POUW	Petty Officer Underwater Weapons	POUW
LSUW	Leading Seaman Underwater Weapons	LSUW
ABUW	Able Seaman Underwater Weapons	ABUW
ABUW2	Seaman Underwater Weapons	SMNUW
WOPT	Warrant Officer Physical Trainer	WOPT
CPOPT	Chief Petty Officer Physical Trainer	CPOPT
POPT	Petty Officer Physical Trainer	POPT
LSPT	Leading Seaman Physical Trainer	LSPT
WORP	Warrant Officer Radar Plot	WORP
CPORP	Chief Petty Officer Radar Plot	CPORP
PORP	Petty Officer Radar Plot	PORP
LSRP	Leading Seaman Radar Plot	LSRP
ABRP	Able Seaman Radar Plot	ABRP
ABRP2	Seaman Radar Plot	SMNRP
W OUC	Warrant Officer Underwater Control	W OUC
CPOUC	Chief Petty Officer Underwater Control	CPOUC
POUC	Petty Officer Underwater Control	POUC
LSUC	Leading Seaman Underwater Control	LSUC
ABUC	Able Seaman Underwater Control	ABUC
ABUC2	Seaman Underwater Control	SMNUC
W OFC	Warrant Officer Fire Control	W OFC
CPOFC	Chief Petty Officer Fire Control	CPOFC
POFC	Petty Officer Fire Control	POFC
LSFC	Leading Seaman Fire Control	LSFC
ABFC	Able Seaman Fire Control	ABFC
ABFC2	Seaman Fire Control	SMNFC
WOWM	Warrant Officer Weapon Mechanic	WOWM
CPOWM	Chief Petty Officer Weapon Mechanic	CPOWM
POWM	Petty Officer Weapon Mechanic	POWM
LSWM	Leading Seaman Weapon Mechanic	LSWM
ABWM	Able Seaman Weapon Mechanic	ABWM
ABWM2	Seaman Weapon Mechanic	SMNWM
CSLMR	Chief Petty Officer Sailmaker	CPSLMR

ANNEX A—continued

Previous Title Abbreviation	New Title (in full)	New Title Abbreviation
Naval Air Branch		
WOA ..	Warrant Officer Aircrew ..	WOA
CPOA ..	Chief Petty Officer Aircrew ..	CPOA
POA ..	Petty Officer Aircrew ..	POA
LSA ..	Leading Seaman Aircrew ..	LSA
WOAVN ..	Warrant Officer Aviation ..	WOAVN
CPOAVN ..	Chief Petty Officer Aviation ..	CPOAVN
POAVN ..	Petty Officer Aviation ..	POAVN
LSAVN ..	Leading Seaman Aviation ..	LSAVN
ABAVN ..	Able Seaman Aviation ..	ABAVN
ABAVN2 ..	Seaman Aviation ..	SMNAVN
WOPH ..	Warrant Officer Photography ..	WOPH
CPOPH ..	Chief Petty Officer Photography ..	CPOPH
POPH ..	Petty Officer Photography ..	POPH
LSPH ..	Leading Seaman Photography ..	LSPH
ABPH ..	Able Seaman Photography ..	ABPH
ABPH2 ..	Seaman Photography ..	SMNPH
WOM ..	Warrant Officer Meteorology ..	WOM
CPOM ..	Chief Petty Officer Meteorology ..	CPOM
POM ..	Petty Officer Meteorology ..	POM
LSM ..	Leading Seaman Meteorology ..	LSM
ABM ..	Able Seaman Meteorology ..	ABM
ABM2 ..	Seaman Meteorology ..	SMNM
Medical Branch		
WOSBA ..	Warrant Officer Medical ..	WOMED
CPOSBA ..	Chief Petty Officer Medical ..	CPOMED
POSBA ..	Petty Officer Medical ..	POMED
LSBA ..	Leading Seaman Medical ..	LSMED
SBA ..	Able Seaman Medical ..	ABMED
SBA2 ..	Seaman Medical ..	SMNMED
WODA ..	Warrant Officer Dental ..	WODEN
CPODA ..	Chief Petty Officer Dental ..	CPODEN
PODA ..	Petty Officer Dental ..	PODEN
LDA ..	Leading Seaman Dental ..	LSDEN
DA ..	Able Seaman Dental ..	ABDEN
DA2 ..	Seaman Dental ..	SMNDEN
WODM ..	Warrant Officer Dental Mechanic ..	WODENM
CPODM ..	Chief Petty Officer Dental Mechanic ..	CPODENM
PODM ..	Petty Officer Dental Mechanic ..	PODENM
—	Leading Seaman Dental Mechanic ..	LSDENM
—	Able Seaman Dental Mechanic ..	ABDENM
—	The suffix Hygienist (abbreviation 'H') will be used by personnel who have attained this qualification eg: Leading Seaman Dental Hygienist ..	LSDENH

ANNEX A—continued

Previous Title Abbreviation	New Title (in full)	New Title Abbreviation
Specialist Qualifications for Med Sailors		
—	X-ray assistant ..	X
—	Operating Room Assistant ..	O
—	Hygiene Inspector ..	H
—	Laboratory Assistant ..	L
—	Dispenser ..	D
—	Aviation Medicine ..	A
—	Underwater Medicine ..	U
—	Advanced Nursing ..	N
—	Masseur ..	M
—	Specialist Qualification will be denoted by a suffix letter after the Rank/Category Title, eg: Able Seaman Medical X-Ray Assistant ..	ABMEDX
Communications Branch		
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 ..	CPORSEW
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

ANNEX A—continued

Previous Title Abbreviation	New Title (in full)	New Title Abbreviation
Supply and Secretariat Branch		
WOWTR	Warrant Officer Writer	WOWTR
CPOWTR	Chief Petty Officer Writer	CPOWTR
POWTR	Petty Officer Writer	POWTR
LWTR ..	Leading Seaman Writer	LSWTR
WTR ..	Able Seaman Writer	ABWTR
WTR2 ..	Seaman Writer	SMNWTR
WOSN ..	Warrant Officer Stores Naval	WOSN
CPOSN ..	Chief Petty Officer Stores Naval	CPOSN
POSN ..	Petty Officer Stores Naval	POSN
LSAN ..	Leading Seaman Stores Naval	LSSN
SAN ..	Able Seaman Stores Naval	ABSN
SAN2 ..	Seaman Stores Naval	SMNSN
WOSV ..	Warrant Officer Stores Victualling	WOSV
CPOSV ..	Chief Petty Officer Stores Victualling	CPOSV
POSV ..	Petty Officer Stores Victualling	POSV
LSAV ..	Leading Seaman Stores Victualling	LSSV
SAV ..	Able Seaman Stores Victualling	ABSV
SAV2 ..	Seaman Stores Victualling	SMNSV
WOCK	Warrant Officer Cook	WOCK
CPOCK	Chief Petty Officer Cook	CPOCK
POCK ..	Petty Officer Cook	POCK
LCK ..	Leading Seaman Cook	LSCK
CK ..	Able Seaman Cook	ABCK
CK2 ..	Seaman Cook	SMNCK
WOSTD	Warrant Officer Steward	WOSTD
CPOSTD	Chief Petty Officer Steward	CPOSTD
POSTD	Petty Officer Steward	POSTD
LSTD ..	Leading Seaman Steward	LSSTD
STD ..	Able Seaman Steward	ABSTD
STD2 ..	Seaman Steward	SMNSTD
WOWS	Warrant Officer Work Study	WOWS
CPOWS	Chief Petty Officer Work Study	CPOWS
POWS ..	Petty Officer Work Study	POWS
POPTR	Petty Officer Printer	POPTR
CPOBCH	Chief Petty Officer Butcher	CPOBCH
Academic Instructor Branch		
WOAI ..	Warrant Officer Academic Instructor	WOAI
CPOAI	Chief Petty Officer Academic Instructor	CPOAI
POAI ..	Petty Officer Academic Instructor	POAI
LAI ..	Leading Seaman Academic Instructor	LSAI

ANNEX A—continued

Previous Title Abbreviation	New Title (in full)	New Title Abbreviation
Musician Branch		
WOMUSN	Warrant Officer Musician	WOMUSN
CPOMUSN	Chief Petty Officer Musician	CPOMUSN
POMUSN	Petty Officer Musician	POMUSN
LMUSN	Leading Seaman Musician	LSMUSN
MUSN ..	Able Seaman Musician	ABMUSN
—	Seaman Musician	SMNMUSN
RCTMUSN	Recruit Musician	RCTMUSN
JRMUSN	Junior Musician	JMUSN
JMUSNRCT	Junior Recruit Musician	JRMUSN
Regulating Branch		
MAA	Chief Petty Officer Regulating	CPOREG
RPO ..	Petty Officer Regulating	POREG

ANNEX B

Pre-Sailstruc Technical Sailors
[Entered Prior to 1 July 1972]

Previous Title Abbreviation	New Title (in full)	New Title Abbreviation
Marine Engineering Branch		
WOAMTP	Warrant Officer Marine Technical Propulsion Grade 4	WOMTP4
CAMTP	Chief Petty Officer Marine Technical Propulsion Grade 4	CPOMTP4
A1MTP	Chief Petty Officer Marine Technical Propulsion Grade 4/Grade 3	CPOMTP4 CPOMTP3
	Artificer 1st Class Marine Technical Propulsion	A1MTP
A2MTP	Petty Officer Marine Technical Propulsion Grade 3	POMTP3
A3MTP	Leading Seaman Marine Technical Propulsion Grade 2	LSMTP2
WOMECMTP	Warrant Officer Marine Technical Propulsion Grade 4	WOMTP4
CMECHMTP	Chief Petty Officer Marine Technical Propulsion Grade 4	CPOMTP4

ANNEX B—continued

Previous Title Abbreviation	New Title (in full)	New Title Abbreviation
MECH1MTP ..	Chief Petty Officer Marine Technical Propulsion Grade 4/Grade 3 Mechanician 1st Class Marine Technical Propulsion	CPOMTP4 } CPOMTP3 } MECH1MTP
MECH2MTP ..	Petty Officer Marine Technical Propulsion Grade 3	POMTP3
WOMTP3* ..	Warrant Officer Marine Technical Propulsion Grade 3*	WOMTP3*
CPOMTP3* ..	Chief Petty Officer Marine Technical Propulsion Grade 3*	CPOMTP3*
POMTP3* ..	Petty Officer Marine Technical Propulsion Grade 3*	POMTP3*
A/POMTP3* ..	Provisional Petty Officer Marine Technical Propulsion Grade 3*	P/POMTP3*
A/POMTP2 ..	Provisional Petty Officer Marine Technical Propulsion Grade 2	P/POMTP2
LSMTP3* ..	Leading Seaman Marine Technical Propulsion Grade 3*	LSMTP3*
LSMTP2 ..	Leading Seaman Marine Technical Propulsion Grade 2	LSMTP2
ABMTP2 ..	Able Seaman Marine Technical Propulsion Grade 2	ABMTP2
ABMTP1 ..	Able Seaman Marine Technical Propulsion Grade 1	ABMTP1
AB2MTP1 ..	Seaman Marine Technical Propulsion Grade 1	SMNMTP1
WOSMTH ..	Warrant Officer Marine Technical Hull Grade 4	WOMTH4
CSMTH ..	Chief Petty Officer Marine Technical Hull Grade 4	CPOMTH4
S1MTH ..	Chief Petty Officer Marine Technical Hull Grade 4/Grade 3 Shipwright 1st Class Marine Technical Hull ..	CPOMTH4 } CPOMTH3 } S1MTH
S2MTH ..	Petty Officer Marine Technical Hull Grade 3	POMTH3
S3MTH ..	Leading Seaman Marine Technical Hull Grade	LSMTH2
CBLKMTH ..	Chief Petty Officer Marine Technical Blacksmith	CPOBLKMTH
WOAMTL ..	Warrant Officer Marine Technical Power Electrics Grade 4	WOMTL4
CAMTL ..	Chief Petty Officer Marine Technical Power Electrics Grade 4	CPOMTL4
A1MTL ..	Chief Petty Officer Marine Technical Power Electrics Grade 4/Grade 3 Artificer 1st Class Marine Technical Power Electrics	CPOMTL4 } CPOMTL3 } A1MTL
A2MTL ..	Petty Officer Marine Technical Power Electrics Grade 3	POMTL3
A3MTL ..	Leading Seaman Marine Technical Power Electrics Grade 2	LSMTL2

ANNEX B—continued

Previous Title Abbreviation	New Title (in full)	New Title Abbreviation
WOMTL3 ..	Warrant Officer Marine Technical Power Electrics Grade 3	WOMTL3
CPOMTL3 ..	Chief Petty Officer Marine Technical Power Electrics Grade 3	CPOMTL3
POMTL3 ..	Petty Officer Marine Technical Power Electrics Grade 3	POMTL3
POMTL2 ..	Petty Officer Marine Technical Power Electrics Grade 2	POMTL2
LSMTL3 ..	Leading Seaman Marine Technical Power Electrics Grade 3	LSMTL3
LSMTL2 ..	Leading Seaman Marine Technical Power Electrics Grade 2	LSMTL2
LSMTL1 ..	Leading Seaman Marine Technical Power Electrics Grade 1	LSMTL1
ABMTL1 ..	Able Seaman Marine Technical Power Electrics Grade 1	ABMTL1
AB2MTL1 ..	Seaman Marine Technical Power Electrics Grade 1	SMNMTL1
Notes: The suffix D is to be added to the title for Diesel trained MT sailors, eg, — Petty Officer Marine Technical Propulsion Diesel Grade 3 2. Submarine Technical Sailors retain the SM suffix which denotes Diesel training.		
Weapons Electronic Engineering Branch		
WOAETW ..	Warrant Officer Electronic Technical Weapons Grade 4	WOETW4
CAETW ..	Chief Petty Officer Electronic Technical Weapons Grade 4	CPOETW4
COAP ..	Chief Ordnance Artificer Power ..	COAP
A1ETW ..	Chief Petty Officer Electronic Technical Weapons Grade 4/Grade 3 Artificer 1st Class Electronic Technical Weapons	CPOETW4 } CPOETW3 } A1ETW
A2ETW ..	Petty Officer Electronic Technical Weapons Grade 3	POETW3
A3ETW ..	Leading Seaman Electronic Technical Weapons Grade 2	LSETW2
WOETW3 ..	Warrant Officer Electronic Technical Weapons Grade 3	WOETW3
CPOETW3 ..	Chief Petty Officer Electronic Technical Weapons Grade 3	CPOETW3
POETW3 ..	Petty Officer Electronic Technical Weapons Grade 3	POETW3
POETW2 ..	Petty Officer Electronic Technical Weapons Grade 2	POETW2

ANNEX B—continued

Previous Title Abbreviation	New Title (in full)	New Title Abbreviation
LSETW3 ..	Leading Seaman Electronic Technical Weapons Grade 3	LSETW3
LSETW2 ..	Leading Seaman Electronic Technical Weapons Grade 2	LSETW2
WOAETS ..	Warrant Officer Electronic Technical Weapon Systems Grade 4	WOETS4
CAETS ..	Chief Petty Officer Electronic Technical Weapon Systems Grade 4	CPOETS4
A1ETS ..	Chief Petty Officer Electronic Technical Weapon Systems Grade 4/Grade 3	CPOETS4 } CPOETS3 }
	Artificer 1st Class Electronic Technical Weapon Systems	A1ETS
A2ETS ..	Petty Officer Electronic Technical Weapon Systems Grade 3	POETS3
A3ETS ..	Leading Seaman Electronic Technical Weapon Systems Grade 2	LSETS2
WOETS3 ..	Warrant Officer Electronic Technical Weapon Systems Grade 3	WOETS3
CPOETS3 ..	Chief Petty Officer Electronic Technical Weapon Systems Grade 3	CPOETS3
POETS3 ..	Petty Officer Electronic Technical Weapon Systems Grade 3	POETS3
POETS2 ..	Petty Officer Electronic Technical Weapon Systems Grade 2	POETS2
LSETS3 ..	Leading Seaman Electronic Technical Weapon Systems Grade 3	LSETS3
LSETS2 ..	Leading Seaman Electronic Technical Weapon Systems Grade 2	LSETS2
LSETS1 ..	Leading Seaman Electronic Technical Weapon Systems Grade 1	LSETS1
ABETS3 ..	Able Seaman Electronic Technical Weapon Systems Grade 3	ABETS3
ABETS1 ..	Able Seaman Electronic Technical Weapon Systems Grade 1	ABETS1
AB2ETS1 ..	Seaman Electronic Technical Weapon Systems Grade 1	SMNETS1
WOAETC ..	Warrant Officer Electronic Technical Communications Grade 4	WOETC4
CAETC ..	Chief Petty Officer Electronic Technical Communications Grade 4	CPOETC4
A1ETC ..	Chief Petty Officer Electronic Technical Communications Grade 4/Grade 3	CPOETC4 } CPOETC3 }
	Artificer 1st Class Electronic Technical Communications	A1ETC
A2ETC ..	Petty Officer Electronic Technical Communications Grade 3	POETC3
A3ETC ..	Leading Seaman Electronic Technical Communications Grade 2	LSETC2

ANNEX B—continued

Previous Title Abbreviation	New Title (in full)	New Title Abbreviation
WOETC3 ..	Warrant Officer Electronic Technical Communications Grade 3	WOETC3
CPOETC3 ..	Chief Petty Officer Electronic Technical Communications Grade 3	CPOETC3
POETC3 ..	Petty Officer Electronic Technical Communications Grade 3	POETC3
POETC2 ..	Petty Officer Electronic Technical Communications Grade 2	POETC2
LSETC3 ..	Leading Seaman Electronic Technical Communications Grade 3	LSETC3
LSETC2 ..	Leading Seaman Electronic Technical Communications Grade 2	LSETC2
LSETC1 ..	Leading Seaman Electronic Technical Communications Grade 1	LSETC1
ABETC1 ..	Able Seaman Electronic Technical Communications Grade 1	ABETC1
AB2ETC1 ..	Seaman Electronic Technical Communications Grade 1	SMNETC1
Air Engineering Branch		
WOATA ..	Warrant Officer Air Technical Aircraft Grade 4	WOATA4
CAATA ..	Chief Petty Officer Air Technical Aircraft Grade 4	CPOATA4
A1ATA ..	Chief Petty Officer Air Technical Aircraft Grade 4/Grade 3	CPOATA4 } CPOATA3 }
	Artificer 1st Class Air Technical Aircraft ..	A1ATA
A2ATA ..	Petty Officer Air Technical Aircraft Grade 3	POATA3
A3ATA ..	Leading Seaman Air Technical Aircraft Grade 2	LSATA2
WOMEcata ..	Warrant Officer Air Technical Aircraft Grade 4	WOATA4
CMECHATA ..	Chief Petty Officer Air Technical Aircraft Grade 4	CPOATA4
MECH1ATA ..	Chief Petty Officer Air Technical Aircraft Grade 4/Grade 3	CPOATA4 } CPOATA3 }
	Mechanician 1st Class Air Technical Aircraft	MECH1ATA
MECH2ATA ..	Petty Officer Air Technical Aircraft Grade 3	POATA3
WOATA3 ..	Warrant Officer Air Technical Aircraft Grade 3	WOATA3
CPOATA3 ..	Chief Petty Officer Air Technical Aircraft Grade 3	CPOATA3
POATA3 ..	Petty Officer Air Technical Aircraft Grade 3	POATA3
POATA2 ..	Petty Officer Air Technical Aircraft Grade 2	POATA2
LSATA3 ..	Leading Seaman Air Technical Aircraft Grade 3	LSATA3

ANNEX B—continued

Previous Title Abbreviation	New Title (in full)	New Title Abbreviation
LSATA2	Leading Seaman Air Technical Aircraft Grade 2	LSATA2
ABATA2	Able Seaman Air Technical Aircraft Grade 2	ABATA2
ABATA1	Able Seaman Air Technical Aircraft Grade 1	ABATA1
AB2ATA1	Seaman Air Technical Aircraft Grade 1	SMNATA1
WOAATW	Warrant Officer Air Technical Weapons Grade 4	WOATW4
CAATW	Chief Petty Officer Air Technical Weapons Grade 4	CPOATW4
A1ATW	Chief Petty Officer Air Technical Weapons Grade 4/Grade 3	CPOATW4 } CPOATW3 }
A2ATW	Artificer 1st Class Air Technical Weapons	A1ATW
A3ATW	Petty Officer Air Technical Weapons Grade 3	POATW3
WOATW	Leading Seaman Air Technical Weapons Grade 2	LSATW2
WOMECAW	Warrant Officer Air Technical Weapons Grade 4	WOATW4
CMECHATW	Chief Petty Officer Air Technical Weapons Grade 4	CPOATW4
MECH1ATW	Chief Petty Officer Air Technical Weapons Grade 4/Grade 3	CPOATW4 } CPOATW3 }
MECH2ATW	Mechanician 1st Class Air Technical Weapons	MECH1ATW
WOATW3	Petty Officer Air Technical Weapons Grade 3	POATW3
CPOATW3	Warrant Officer Air Technical Weapons Grade 3	WOATW3
POATW3	Chief Petty Officer Air Technical Weapons Grade 3	CPOATW3
POATW2	Petty Officer Air Technical Weapons Grade 3	POATW3
LSATW3	Petty Officer Air Technical Weapons Grade 2	POATW2
LSATW2	Leading Seaman Air Technical Weapons Grade 3	LSATW3
ABATW2	Leading Seaman Air Technical Weapons Grade 2	LSATW2
ABATW1	Able Seaman Air Technical Weapons Grade 2	ABATW2
AB2ATW1	Able Seaman Air Technical Weapons Grade 1	ABATW1
WOAATC	Seaman Air Technical Weapons Grade 1	SMNATW1
CAATC	Warrant Officer Air Technical Communications Grade 4	WOATC4
A1ATC	Chief Petty Officer Air Technical Communications Grade 4	CPOATC4
A2ATC	Chief Petty Officer Air Technical Communications Grade 4/Grade 3	CPOATC4 } CPOATC3 }
A3ATC	Artificer 1st Class Air Technical Communications	A1ATC
WOATC4	Petty Officer Air Technical Communications Grade 3	POATC3
LSATC2	Leading Seaman Air Technical Communications Grade 3	LSATC2

ANNEX B—continued

Previous Title Abbreviation	New Title (in full)	New Title Abbreviation
WOATC3	Warrant Officer Air Technical Communications Grade 3	WOATC3
CPOATC3	Chief Petty Officer Air Technical Communications Grade 3	CPOATC3
POATC3	Petty Officer Air Technical Communications Grade 3	POATC3
POATC2	Petty Officer Air Technical Communications Grade 2	POATC2
LSATC3	Leading Seaman Air Technical Communications Grade 3	LSATC3
LSATC2	Leading Seaman Air Technical Communications Grade 2	LSATC2
ABATC2	Able Seaman Air Technical Communications Grade 2	ABATC2
ABATC1	Able Seaman Air Technical Communications Grade 1	ABATC1
AB2ATC1	Seaman Air Technical Communications Grade 1	SMNATC1
WOSE	Warrant Officer Safety Equipment	WOSE
CPOSE	Chief Petty Officer Safety Equipment	CPOSE
POSE	Petty Officer Safety Equipment	POSE
LSSE	Leading Seaman Safety Equipment	LSSE
ABSE	Able Seaman Safety Equipment	ABSE
ABSE2	Seaman Safety Equipment	SMNSE

Submarines

All Submarines titles are as listed above with the suffix SM.

ANNEX C

Sailstruc Technical Branch Sailors Titles

[Entered After 1 July 1972]

Full Title	Title Abbreviation
Marine Engineering Branch	
<i>Propulsion Category</i>	
Seaman/Able Seaman Marine Technical Propulsion Grade 1	SMN/ABMTP1
Able Seaman/Leading Seaman Marine Technical Propulsion Grade 2	AB/LSMTP2
Able Seaman/Leading Seaman/Petty Officer Marine Technical Propulsion Grade 3	AB/LS/POMTP3
Petty Officer/Chief Petty Officer Marine Technical Propulsion Grade 4	PO/CPOMTP4
Chief Petty Officer/Warrant Officer Marine Technical Propulsion Grade 5	CPO/WOMTP5

ANNEX C—continued

Full Title	Title Abbreviation
<i>Hull Category</i>	
Seaman/Able Seaman Marine Technical Hull Grade 1	SMN/ABMTH1
Able Seaman/Leading Seaman Marine Technical Hull Grade 2 ..	AB/LSMTH2
Able Seaman/Leading Seaman/Petty Officer Marine Technical Hull Grade 3	AB/LS/POMTH3
Petty Officer/Chief Petty Officer Marine Technical Hull Grade 4 ..	PO/CPOMTH4
Chief Petty Officer/Warrant Officer Marine Technical Hull Grade 5 ..	CPO/WOMTH5
<i>Power Electrics Category</i>	
Seaman/Able Seaman Marine Technical Power Electrics Grade 1 ..	SMN/ABMTL1
Able Seaman/Leading Seaman Marine Technical Power Electrics Grade 2	AB/LSMTL2
Able Seaman/Leading Seaman/Petty Officer Marine Technical Power Electrics Grade 3	AB/LS/POMTL3
Petty Officer/Chief Petty Officer Marine Technical Power Electrics Grade 4	PO/CPOMTL4
Chief Petty Officer/Warrant Officer Marine Technical Power Electrics Grade 5	CPO/WOMTL5
Weapons Electronic Engineering Branch	
<i>Weapons Category</i>	
Seaman/Able Seaman Electronic Technical Weapons Grade 1 ..	SMN/ABETW1
Able Seaman/Leading Seaman Electronic Technical Weapons Grade 2	AB/LSETW2
Able Seaman/Leading Seaman/Petty Officer Electronic Technical Weapons Grade 3	AB/LS/POETW3
Petty Officer/Chief Petty Officer Electronic Technical Weapons Grade 4	PO/CPOETW4
Chief Petty Officer/Warrant Officer Electronic Technical Weapons Grade 5	CPO/WOETW5
<i>Weapon Systems Category</i>	
Seaman/Able Seaman Electronic Technical Weapon Systems Grade 1	SMN/ABETS1
Able Seaman/Leading Seaman Electronic Technical Weapon Systems Grade 2	AB/LSETS2
Able Seaman/Leading Seaman/Petty Officer Electronic Technical Weapon Systems Grade 3	AB/LS/POETS3
Petty Officer/Chief Petty Officer Electronic Technical Weapon Systems Grade 4	PO/CPOETS4
Chief Petty Officer/Warrant Officer Electronic Technical Weapon Systems Grade 5	CPO/WOETS5

ANNEX C—continued

Full Title	Title Abbreviation
<i>Communications Category</i>	
Seaman/Able Seaman Electronic Technical Communications Grade 1	SMN/ABETC1
Able Seaman/Leading Seaman Electronic Technical Communications Grade 2	AB/LSETC2
Able Seaman/Leading Seaman/Petty Officer Electronic Technical Communications Grade 3	AB/LS/POETC3
Petty Officer/Chief Petty Officer Electronic Technical Communications Grade 4	PO/CPOETC4
Chief Petty Officer/Warrant Officer Electronic Technical Communications Grade 5	CPO/WOETC5
Air Engineering Branch	
<i>Aircraft Category</i>	
Seaman/Able Seaman Air Technical Aircraft Grade 1	SMN/ABATA1
Able Seaman/Leading Seaman Air Technical Aircraft Grade 2 ..	AB/LSATA2
Able Seaman/Leading Seaman/Petty Officer Air Technical Aircraft Grade 3	AB/LS/POATA3
Petty Officer/Chief Petty Officer Air Technical Aircraft Grade 4 ..	PO/CPOATA4
Chief Petty Officer/Warrant Officer Air Technical Aircraft Grade 5 ..	CPO/WOATA5
<i>Weapons Category</i>	
Seaman/Able Seaman Air Technical Weapons Grade 1	SMN/ABATW1
Able Seaman/Leading Seaman Air Technical Weapons Grade 2 ..	AB/LSATW2
Able Seaman/Leading Seaman/Petty Officer Air Technical Weapons Grade 3	AB/LS/POATW3
Petty Officer/Chief Petty Officer Air Technical Weapons Grade 4 ..	PO/CPOATW4
Chief Petty Officer/Warrant Officer Air Technical Weapons Grade 5 ..	CPO/WOATW5
<i>Communications Category</i>	
Seaman/Able Seaman Air Technical Communications Grade 1	SMN/ABATC1
Able Seaman/Leading Seaman Air Technical Communications Grade 2	AB/LSATC2
Able Seaman/Leading Seaman/Petty Officer Air Technical Communications Grade 3	AB/LS/POATC3
Petty Officer/Chief Petty Officer Air Technical Communications Grade 4	PO/CPOATC4
Chief Petty Officer/Warrant Officer Air Technical Communications Grade 5	CPO/WOATC5

ANNEX D

Naval Apprentices

Previous Title Abbreviation	New Title (in full)	New Title Abbreviation
—	Naval Apprentice (Not Categorised)	NA
MTPA ..	Apprentice Marine Technical Propulsion ..	AMTP
MTHA ..	Apprentice Marine Technical Hull ..	AMTH
MTLA ..	Apprentice Marine Technical Power Electrics	AMTL
ETWA ..	Apprentice Electronic Technical Weapons ..	AETW
ETSA ..	Apprentice Electronic Technical Weapon Systems	AETS
ETCA ..	Apprentice Electronic Technical Communica- tions	AETC
ATAA ..	Apprentice Air Technical Aircraft ..	AATA
ATWA ..	Apprentice Air Technical Weapons ..	AATW
ATCA ..	Apprentice Air Technical Communications ..	AATC

ANNEX E

Direct Entry Technical Sailors

Previous Title Abbreviation	New Title (in full)	New Title Abbreviation
ARCTMTP ..	Seaman Marine Technical Propulsion Grade 2/3	SMNMTP 2/3
ARCTMTH ..	Seaman Marine Technical Hull Grade 2/3 ..	SMNMTH2/3
ARCTMTL ..	Seaman Marine Technical Power Electrics Grade 2/3	SMNMTL2/3
ARCTETW ..	Seaman Electronic Technical Weapons Grade 2/3	SMNETW2/3
ARCTETS ..	Seaman Electronic Technical Weapon Systems Grade 2/3	SMNETS2/3
ARCTETC ..	Seaman Electronic Technical Communications Grade 2/3	SMNETC 2/3
ARCTATA ..	Seaman Air Technical Aircraft Grade 2/3 ..	SMNATA 2/3
ARCTATW ..	Seaman Air Technical Weapons Grade 2/3 ..	SMNATW 2/3
ARCTATC ..	Seaman Air Technical Communications Grade 2/3	SMNATC 2/3

Note: Skill Grade will be allocated according to previous training.

ANNEX F

Wrans Titles

Previous Title Abbreviation	New Title (in full)	New Title Abbreviation
WROC ..	Cadet Wran ..	WROC
RWROC ..	Recruit Wran Officer Candidate ..	RWROC
WOWRRSM ..	Warrant Officer Wran Radio Supervisor Special	WOWRRSS
CWRRSM ..	Chief Wran Radio Supervisor Special ..	CWRRSS
WRRSM ..	Petty Officer Wran Radio Supervisor Special	POWRRSS
LWRROM ..	Leading Wran Radio Operator Special ..	LWRROS
WRROM ..	Senior Wran Radio Operator Special ..	SWRROS
—	Wran Radio Operator Special ..	WRROS
B/WRROM ..	Wran Radio Operator Special* ..	WRROS*
RWRROM ..	Wran Radio Operator Special* ..	WRROS*
RWRRO ..	Wran Communications* ..	WRCO*
WOWRRST ..	Recruit Wran Communications ..	RWRCO
—	Warrant Officer Wran Radio Supervisor Tele- type	WOWRRST
CWRRST ..	Chief Wran Radio Supervisor Teletype ..	CWRRST
WRRST ..	Petty Officer Wran Radio Supervisor Teletype	POWRRST
LWRROT ..	Leading Wran Radio Operator Teletype ..	LWRROT
WRROT ..	Senior Wran Radio Operator Teletype ..	SWRROT
—	Wran Radio Operator Teletype ..	WRROT
RWRROT ..	Wran Radio Operator Teletype* ..	WRROT*
RWRRO ..	Wran Communications* ..	WRCO*
WOWRRSG ..	Recruit Wran Communications ..	RWRCO
—	Warrant Officer Wran Radio Supervisor General	WOWRRSG
CWRRSG ..	Chief Wran Radio Supervisor General ..	CWRRSG
WRRSG ..	Petty Officer Wran Radio Supervisor General	POWRRSG
LWRROG ..	Leading Wran Radio Operator General ..	LWRROG
WRROG ..	Senior Wran Radio Operator General ..	SWRROG
WOWRLIN ..	Warrant Officer Wran Linguist ..	WOWRLIN
CWRLIN ..	Chief Wran Linguist ..	CWRLIN
POWRLIN ..	Petty Officer Wran Linguist ..	POWRLIN
LWRLIN ..	Leading Wran Linguist ..	LWRLIN
WRLIN ..	Senior Wran Linguist ..	SWRLIN
WOWRSBA ..	Warrant Officer Wran Medical ..	WOWRMED
CWRSBA ..	Chief Wran Medical ..	CWRMED
POWRSBA ..	Petty Officer Wran Medical ..	POWRMED
LWRSBA ..	Leading Wran Medical ..	LWRMED
WRSBA ..	Senior Wran Medical ..	SWRMED
—	Wran Medical ..	WRMED
B/WRSBA ..	Wran Medical* ..	WRMED*
RWRSBA ..	Wran Medical* ..	WRMED*
WOWRWTR ..	Recruit Wran Medical ..	RWRMED
WOWRWTR ..	Warrant Officer Wran Writer ..	WOWRWTR
CWRWTR ..	Chief Wran Writer ..	CWRWTR
POWRWTR ..	Petty Officer Wran Writer ..	POWRWTR

ANNEX F—continued

Previous Title Abbreviation	New Title (in full)	New Title Abbreviation
LWRWTR	Leading Wran Writer	LWRWTR
WRWTR	Senior Wran Writer	SWRWTR
—	Wran Writer	WRWTR
RWRWTR	Wran Writer*	WRWTR*
—	Recruit Wran Writer	RWRWTR
LWRWTRST	Leading Wran Writer (Shorthand Typist)	LWRWTRST
WRWTRST	Senior Wran Writer (Shorthand Typist)	SWRWTRST
—	Wran Writer (Shorthand Typist)	WRWTRST
RWRWTRST	Wran Writer (Shorthand Typist)*	WRWTRST*
—	Recruit Wran Writer (Shorthand Typist)	RWRWTRST
WOWRSN	Warrant Officer Wran Stores Naval	WOWRSN
CWRSN	Chief Wran Stores Naval	CWRSN
WOWRSV	Warrant Officer Wran Stores Victualling	WOWRSV
CWRSV	Chief Wran Stores Victualling	CWRSV
POWRSV	Petty Officer Wran Stores Victualling	POWRSV
LWRSV	Leading Wran Stores Victualling	LWRSV
WRSV	Senior Wran Stores Victualling	SWRSV
—	Wran Stores Victualling	WRSV
RWRSV	Wran Stores Victualling*	WRSV*
—	Recruit Wran Stores Victualling	RWRSV
WOWRCK	Warrant Chief Wran Cook	WOWRCK
CWRCK	Chief Wran Cook	CWRCK
POWRCK	Petty Officer Wran Cook	POWRCK
LWRCK	Leading Wran Cook	LWRCK
WRCK	Senior Wran Cook	SWRCK
—	Wran Cook	WRCK
RWRCK	Wran Cook*	WRCK*
—	Recruit Wran Cook	RWRCK
WOWRSTD	Warrant Officer Wran Steward	WOWRSTD
CWRSTD	Chief Wran Steward	CWRSTD
POSRSTD	Petty Officer Wran Steward	POWRSTD
LWRSTD	Leading Wran Steward	LWRSTD
WRSTD	Senior Wran Steward	SWRSTD
—	Wran Steward	WRSTD
RWRSTD	Wran Steward*	WRSTD*
—	Recruit Wran Steward	RWRSTD
WOWRREG	Warrant Officer Regulating	WOWRREG
CWRREG	Chief Wran Regulating	CWRREG
POWRREG	Petty Officer Wran Regulating	POWRREG
LWRREG	Leading Wran Regulating	LWRREG
WOWRRP	Warrant Officer Wran Radar Plot	WOWRRP
CWRRP	Chief Wran Radar Plot	CWRRP
POWRRP	Petty Officer Wran Radar Plot	POWRRP
LWRRP	Leading Wran Radar Plot	LWRRP
WRRP	Senior Wran Radar Plot	SWRRP
—	Wran Radar Plot	WRRP
RWRRP	Wran Radar Plot*	WRRP*
—	Recruit Wran Radar Plot	RWRRP

ANNEX F—continued

Previous Title Abbreviation	New Title (in full)	New Title Abbreviation
WOWRRPWA	Warrant Officer Wran Radar Plot Weapons Assessor	WOWRRPWA
CWRRPWA	Chief Wran Radar Plot Weapons Assessor	CWRRPWA
POWRRPWA	Petty Officer Wran Radar Plot Weapons Assessor	POWRRPWA
LWRRPWA	Leading Wran Radar Plot Weapons Assessor	LWRRPWA
WRRPWA	Senior Wran Radar Plot Weapons Assessor	SWRRPWA
—	Wran Radar Plot Weapons Assessor	WRRPWA
WOWRMTD	Warrant Officer Wran Motor Transport Driver	WOWRMTD
CWRMTD	Chief Wran Motor Transport Driver	CWRMTD
POWRMTD	Petty Officer Wran Motor Transport Driver	POWRMTD
LWRMTD	Leading Wran Motor Transport Driver	LWRMTD
WRMTD	Senior Wran Motor Transport Driver	SWRMTD
—	Wran Motor Transport Driver	WRMTD
RWRMTD	Wran Motor Transport Driver*	WRMTD*
—	Recruit Wran Motor Transport Driver	RWRMTD
—	Chief Wran Dental	CWRDEN
—	Petty Officer Wran Dental	POWRDEN
—	Leading Wran Dental	LWRDEN
—	Senior Wran Dental	SWRDEN
—	Wran Dental	WRDEN
—	Recruit Wran Dental	RWRDEN

(Navy Orders 424/72, 16/73 and 43/73)

(302/1/13)

Section 3

OPERATIONAL AND TRAINING

RESTRICTED

242/74—Seacat Aimers—Pre-firing Refresher and Continuation Training at HMAS CERBERUS

1. In order to improve Seacat firing results, the following pre-firing refresher and continuation training is to be carried out by all Seacat aimers from the date of promulgation of this order:

- a. *Pre-firing Refresher Training.* When practicable, Seacat aimers of ships on the Australia station are to carry out pre-firing refresher training (Course 911640) at CERBERUS prior to the conduct of practice firings at sea. Where this is not possible, the reasons should be made known to FOCAF before firings take place.
- b. *Continuation Training.* Continuation training is to be carried out by Seacat aimers at CERBERUS at least every six months. This requirement applies to all qualified Seacat aimers irrespective of whether the individual is employed in an aimer's billet at sea. A Seacat aimer who does not carry out continuation training in any two year period and does not fire a missile during this same interval, will be subject to review of his qualification.

2. Pre-firing refresher training will be a minimum of two days duration. Continuation training courses will be of one week's duration.

3. Ships and establishments are to apply direct to CERBERUS for Seacat aimer pre-firing refresher and continuation training.

(303/22/60)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

243/74—Ammunition—Pyrotechnics—Marine Illumination Signals

<i>Item</i>	Schermuly Icarus Radaflare X Band—393 NIV.
<i>Reason for Promulgation</i> ..	This item has been codified as 1370-66-066-6159 SIGNAL, ILLUMINATION, MARINE.
<i>Description</i>	The marine illumination signal, consists of a cardboard cylinder enclosing a rocket, in the head of which are packed approximately 300,000 radar dipoles and two red stars. Near the apex of flight the red stars are ignited and ejected, together with the dipoles which disperse forming a radar reflective cloud clearly visible on the PPI of a searching ship or aircraft, the echo being comparable in size with that of a large ocean-going trawler or coaster. In addition the red stars act as a long range visual signal.
<i>Dimensions</i>	The marine illumination signal, measures only 10½" (266-7mm) by 1¾" (44.5mm) diameter and so can be easily packed and stored. Weight is approximately 12½ oz (354 gms).

<i>Technical Data</i>	Height of ejection—1,350 ft (410m) (approximately) Radar range of dipole cloud— by ship radar 9 miles (14 Km); by aircraft radar 20 miles (32 Km); Duration of echo—Ten minutes (during which time it gradually dissipates. The time of dissipation varies with air movement, which is normally minimal in conditions of poor visibility. This is even more effectively seen when more than one rocket is fired. Ideally, there should be an interval of about Five minutes between firings). Candle power of star—approximately 25,000. Duration of stars—Six to ten seconds. The explosive used as propellant is polymerised plastic.
<i>Method of Ignition</i>	Ignition is by a sealed-in percussion cap which, after removal of sealing tapes and safety cap, is operated instantaneously by pressing a trigger lever. The trigger lever can be operated by the firer when holding the signal with one hand.
<i>Classification</i>	Explosive group—9. Safety distance—Category X.
<i>Service Life</i>	The life of the Marine Illumination Signal, when stowed in a liferaft is two periods of 12 months and the provisional shelf life is five years.
<i>Stowage:</i>	No additional stowage will be required in the survival packs.
<i>Allowance</i>	Two per liferaft and boat in the RAN as outfit requirements, plus four annual practice allowance per ship with the exception of HMAS MELBOURNE which has an annual practice allowance of twenty-four. In addition a quantity of one hundred and sixty-four is allowed for annual practice for the Safety Equipment and Survival School. Stocks are available and demands may be made on SASO, Sydney.
<i>Packaging</i>	The store is packed in commercial wooden packing cases, of which there is no standard drawing.

(727/56/160)

UNCLASSIFIED

244/74—Gland Packing for Daring Class Sprayer Control Valves

1. A new type of Mica Lubricated Packing ('Squirrel' Packing) has been introduced into the RAN as a General Stores Item.
2. It is to be fitted as standard practice in all Daring Class sprayer control valves for restricting gland leakage.
3. 'Squirrel' packing is suitable for use with FFO or Dieso Fuel and will withstand temperatures up to 538°C (1,000°F). It is well constructed and retains its form, making it ideally suited for use in difficult to pack glands of small dimensions.
4. The details of 'Squirrel Packing' are as follows:

<i>Class</i>	<i>Catalogue No.</i>	<i>Description</i>	<i>Unit of Issue</i>	<i>Acctg Classn</i>
5330	66-068-2362	PACKING MATERIAL ('SQUIRREL' PACKING, PATTERN 215) size 3/16" (4.75 mm) square section, Mica lubricated	RO	N

(1/5330/120)

UNCLASSIFIED

245/74—Introduction of Blank Firing Attachment for 7.62 mm Rifles L1A1 and L2A1

1. *Introduction* .. a. The purpose of this Navy Order is to restate allowances of 1005-66-025-1782 F1 BLANK FIRING ATTACHMENT; b. The F1 Blank Firing Attachment is for use with both the 1005-66-100-2002 7.62 mm RIFLE L1A1, and 1005-66-013-9803 7.62 mm RIFLE L2A1, and all reference to 1005-66-026-6423 F2 BLANK FIRING ATTACHMENT has been deleted.
2. *Description* .. The blank firing attachment is to be held on charge as follows:

Class	Catalogue No	Description	Unit of Issue	Acctg Class
1005	66-025-1782	FIRING ATTACHMENT BLANK 7.62 mm F1	EA	P
3. *Allowances* .. Allowances of the F1 Blank Firing Attachment are detailed in Annex A to this Navy Order.
4. *Issue Procedures* .. The items are to be issued without demand by SASO Garden Island (0035) in accordance with the allowances at Annex A to this Navy Order.
5. *Use of Item* .. a. The F1 Blank Firing Attachment is for use as an aid in landing party training and for funeral firing parties; b. technical instructions for the use of the blank firing attachment will be included in the relevant User Handbook in due course.
6. *Publications* .. Warrants of Naval Armament Stores will be amended in due course to reflect the allowances in Annex A to this Navy Order.
7. Navy Orders 58/73 and 302/73 are hereby cancelled.

ANNEX A

Allowances of 1005-66-025-1782 F1 Blank Firing Attachment

Ship/Establishment	Quantity
HMAS CERBERUS	27
HMAS CRESWELL	25
HMAS WATSON	27
HMAS ALBATROSS	26
HMAS LEEUWIN	27
HMAS MELVILLE	11
DDGs	12 (each)
Darings	12 (each)
DEs	12 (each)
HMAS MELBOURNE	24
HMAS SUPPLY	12
HMAS STALWART	11
HMAS TARANGAU	22

(N1005/7/8)

(Navy Orders 58/73 and 302/73)

UNCLASSIFIED

246/74—Oven Roasting Bags—Introduction into the RAN for Use As a Cooking Aid

1. 7330-66-070-9839 BAGS, OVEN, ROASTING, 24" x 15" have been adopted for use as a cooking aid in the RAN.
2. As a safety precaution, the oven bags are to be punctured before use, to release vapour pressure.
3. The bags are available on demand from Superintending Victualling Store Officer, Sydney, and are supplied in packs of fifty.
4. RAN Storekeeping Manual ABR 4, will be amended in due course.

(1/7330/13)

UNCLASSIFIED

247/74—Vibration Analysis as a Maintenance Aid—Introduction

1. Vibration Analysis is a system whereby regular monitoring of a machine's vibration signature allows analysis of the machine's mechanical condition. When used in conjunction with the customary marine engineering monitoring practices and associated criteria, Vibration Analysis can give early warning of impending machine failure and can assist diagnosis of mechanical faults.
2. The technique of Vibration Analysis is well established and the procedures for its application are well defined. Considerable success has been achieved overseas and already in the RAN it has been used to locate and diagnose machinery defects.
3. A trial phase has commenced in the RAN and approval has been given to equip River Class DEs and Oberon Class Submarines for Vibration Analysis over the period late 1973 to mid 1975. Ships of both classes will be brought into the programme during normal refits.
4. Vibration Analysis trials are to be carried out in accordance with the plan set down by Department of Defence (Navy Office). This plan, briefly, is that on board monitoring and data collection is to be carried out by trained ship's staff in accordance with the trials instructions issued to each ship. Training is provided for the ship's Marine Engineering Officer and at least two sailors at a VA training course held at Garden Island Dockyard and conducted by the GID Vibration Analysis Training Officer. Arrangements for training will be made by the Director of Fleet Maintenance (DFM) and it will normally take place during the refit period. On completion of the introductory training, ship's staff are issued with data logging forms, diagnostic documentation and a Vibration Analysis meter. Nominated machines in the Marine Engineering Department will be fitted with $\frac{3}{4}$ " mild steel blocks by A and A action. The blocks will be accurately located at several points on each machine in accordance with the VA drawings already issued to dockyards. Oberon Class Submarines 05 and 06 will be fitted with blocks during construction. It is the ship's responsibility to maintain these blocks and replace accurately any which are damaged or dislodged.

ANNEX B

List of Components of Vibration Analysis Equipment and Spares

Class	Catalogue No	Description	Manufacturer's No
6625	66-063-5785	COMPLETE METER SET (comprising—Analyser type 2203, Filter set 1613, Accelerometer, and Integrator ZR 0020)	
6625	21-867-1377	COMPLETE METER SET TYPE 5604 ..	5604
6680	21-854-9380	ACCELEROMETER	4333
5999	21-854-9755	MAGNET	UA 0070
5965	99-924-3314	4 FT CONNECTING CABLE	AO 0037
6625	21-854-9998	10 FT KISTLER CABLE	121M10
6135	66-014-3454	1.5V BATTERIES	IECR20
6625	879-5114 ..	GR VIBRATION CALIBRATOR	1557—A
0562	L12310 ..	MERCURY BATTERIES	RM-4R
6625	21-853-3667	VA BLOCK	
5310	21-853-6660	VA RETAINING NUT	
5306	66-058-2765	10.32 STUD MILD STEEL	
5306	66-058-2766	10.32 STUD ALUMINIUM	
5306	66-058-2767	10.32 STUD BRASS — BLOCK MARKERS	

(N189/13/3)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY
UNCLASSIFIED248/74—BR 1971—Visual Signalling and Equipment Handbook, 1970—
Replacement

1. BR 1971, Visual Signalling and Equipment Handbook, 1970, having been replaced in the RAN by ABR 1971, RAN Visual Signalling Handbook, is to be withdrawn from service.

2. All copies held are to be destroyed locally, by pulping if possible. ABR 4 Article 2514 (3) refers.

(N65/15/939)

Section 7

CANCELLED LIST

UNCLASSIFIED

249/74—Cancellation of Navy Orders

The information contained in Navy Order 103/74 (Functions and Roles of the Australian Armed Forces) is no longer relevant, and is hereby cancelled.

(1600/8/82)

(Navy Order 103/74)

AMENDMENTS

UNCLASSIFIED

250/74—Ammunition—Guns and Missiles—Interim Practice Allowances

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

1. Annex A, Table B

a. Delete existing Note f and insert revised Note f as follows:

'f. *Seacat Aimers:*

- (1) *Provisional.* A qualifying Seacat aimer will be rated provisionally qualified and awarded the appropriate uniform badge on successful completion of Course 911630. The aimer must have demonstrated actual or latent ability with his initial Seacat missile firing.
- (2) *Qualified.* A provisional Seacat aimer will be deemed fully qualified if he achieves a success with his subsequent missile firing. Success is defined by the performance score criteria in Annex A to RANTAU WAU Technical Note No 11/71.
- (3) *Review.* Once qualified, a Seacat 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 CERBERUS in any two year period and does not fire a missile during this same interval.
- (4) *Relinquishment.* An aimer who carries out three consecutive unsuccessful firings attributable to aimer error will be considered for relinquishment of his Seacat aimer qualification.'

b. Delete Note g in its entirety.

c. Redesignate Note h to read Note g.

2. Annex A, Table E2

- a. Under column entitled 'Ship', fourth line, add 'and WATSON' after 'HMAS CERBERUS'.
- b. Under column entitled 'Ship', fifth line, delete 'and WATSON' after 'ALBATROSS'.
- c. Add the following note immediately below the Table:

'Note: The 7.62 mm blank ammunition for HMAS WATSON includes an allowance of 750 rounds for the exclusive use of the MCD Section for military training purposes.'

(725/252/19)

(Navy Order 8/74)

UNCLASSIFIED

251/74—Introduction of Safety Spectacles for Wear by Visicorder Operators

Navy Order 12/74 is amended as follows:

Paragraph 3

Insert: SASO Kingswood—2 Pr.

(740/53/193)

(Navy Order 12/74)

UNCLASSIFIED

252/74—Introduction of Suspect Item Numbers

Navy Order 293/73 is to be amended as follows:

Paragraph 2

In line 4 *amend* the word 'prefix' to read 'suffix'.

In line 7 *amend* the stock number '5905-S002-66-123-4567' to read '5905-66-123-4567-S002'.

(440/67/20)

(Navy Order 293/73)

UNCLASSIFIED

253/74—Line Throwing Equipment—Machines Rewinding Mark 1 Mod 1—Introduction into Service

Navy Order 111/74 is to be amended as follows:

ANNEX A

Insert the following new entry:

HMAS KIMBLA 1

(700/75/797)

(Navy Order 111/74)

UNCLASSIFIED

254/74—Payment of Oversea Allowances During Leave to Members Serving Overseas on Long Term Duty

Navy Order 164 of 1974 is to be amended by *inserting* the following after Paragraph 6:

'6A. For the purposes of Paragraphs 4 and 5, a member shall be deemed to have taken recreation leave immediately after completing a long term posting if:

- a. the member takes recreation leave immediately on the expiration of a period of hospitalisation following departure from the overseas post; or
- b. the member takes recreation leave immediately on completion of sick leave following his departure from the overseas post; or
- c. through the exigencies of the Service, the member is required to serve in Australia before he can proceed on recreation leave.'

(252/4/123)

(Navy Order 164/74)

UNCLASSIFIED

22174—Investigation of Support Base Numbers

Page One 22174 is to be amended as follows:

Paragraph 1.

In line 4 insert "the word 'and' to read 'and'.

In line 7 insert the word "number" after "22174-12" to read "22174-12-1" and "22174-12-2" to read "22174-12-2-1".

22174-12-1

(001004)

Page One 22174

UNCLASSIFIED

22174-12-1—Investigation of Support Base Numbers—Mentioned in Paragraph 1 of 22174-12-1

Page One 22174-12-1 is to be amended as follows:

Paragraph 1.

In line 2 insert the word "and" after "22174-12-1-1".

22174-12-1-1

(001004)

Page One 22174

UNCLASSIFIED

22174—Investigation of Support Base Numbers—Mentioned in Paragraph 1 of 22174-12-1

Page One 22174 is to be amended by inserting the following after paragraph 1:

2. The word "and" in paragraph 1 and 2 a number shall be inserted to read "and" and the word "number" shall be inserted after "22174-12-1-1" to read "22174-12-1-1-1".

3. The word "and" in paragraph 1 shall be inserted after "22174-12-1-1" to read "22174-12-1-1-1" and the word "number" shall be inserted after "22174-12-1-1-1" to read "22174-12-1-1-1-1".

4. The word "and" in paragraph 1 shall be inserted after "22174-12-1-1-1" to read "22174-12-1-1-1-1" and the word "number" shall be inserted after "22174-12-1-1-1-1" to read "22174-12-1-1-1-1-1".

5. The word "and" in paragraph 1 shall be inserted after "22174-12-1-1-1-1" to read "22174-12-1-1-1-1-1" and the word "number" shall be inserted after "22174-12-1-1-1-1-1" to read "22174-12-1-1-1-1-1-1".

(001004)

Page One 22174

RESTRICTED

ANOs 255/74-266/74



AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
28 August 1974.

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

UNCLASSIFIED

15716/74

1

ADMINISTRATIVE AND GENERAL

(UNCLASSIFIED)

15716/74—Title

CONTENTS

No Title

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- 255/74 DEFNAV General Messages.
256/74 Helicopter Transfer Operations at Sea—Flight Safety and Fire Precautions.
257/74 Sub-advances of Cash by Supply Officers.

SECTION 2—PERSONNEL

- 258/74 Payment of Oversea Allowances During Leave to Members Serving Overseas on Long Term Duty.
259/74 Travelling Allowance—Members on Long and Intermediate Term Duty Overseas.
260/74 Travelling Allowance—Members on Short Term Duty Overseas.
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SECTION 3—OPERATIONAL AND TRAINING

- 262/74 Anti-submarine Aircraft Controllers.

SECTION 4—EQUIPMENT, STORES AND SERVICING

- 263/74 NBCD—NBC Personal Protection—Decontamination Kits Personal No 1 Mk 1 and No 2 Mk 1—Introduction Into Service.

AMENDMENTS

- 264/74 Dental Expenses of Dependants Accompanying Members on Long Term Duty Overseas.
265/74 HMA Ships (Excluding Submarines and HMAS SUPPLY)—Marking of Pipes and Gear Rods.
266/74 Safety Helmets for Use by Underway Replenishment Crews in the RAN.

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

255/74—DEFNAV General Messages

1. In accordance with Navy Order 377/71, the state of DEFNAV General Messages as at 1 July is shown in Annex A to this order.
2. Navy Order 176/74 is hereby cancelled.

ANNEX A

1. The following F messages may be withdrawn:

1973

235, 236, 238.

1974

1, 34, 45, 55.

2. As at 0001Z July the following F messages were in force:

1973

130, 131, 132, 133, 134, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145,
 146, 147, 148, 149, 150, 151, 152, 155, 156, 158, 159, 160, 161, 162, 163,
 165, 167, 169, 171, 172, 173, 174, 175, 176, 177, 179, 180, 181, 182, 183,
 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 202,
 205, 206, 207, 208, 210, 211, 213, 214, 215, 216, 217, 218, 221, 223, 224,
 225, 227, 228, 229, 230, 232, 233, 234, 239, 240, 241, 242, 243, 244, 245,
 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 257, 258, 259, 260, 261,
 262, 263, 264, 265, 266, 267, 268, 269, 270.

1974

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, 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, 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.

(Navy Orders 377/71 and 176/74)

(77/1/14)

UNCLASSIFIED

256/74—Helicopter Transfer Operations at Sea—Flight Safety and Fire Precautions

1. During helicopter transfers at sea a critical situation could arise should the helicopter crash either on deck or, to a lesser extent, in the sea. This order describes possible situations and promulgates instructions to minimise risks and to improve rescue and damage control arrangements. It is important that all seagoing personnel understand these hazards and that those directly concerned are fully trained in correct procedures.

Type of Accident

2. In any serious transfer accident, the helicopter pilot will preferably choose to ditch astern or alongside. Only in rare instances, where he lacks sufficient control, will he crash land aboard a cluttered deck, when the helicopter will usually come to rest on its side. On these occasions rotor shrapnel will be produced and fire may result. In very rare instances the helicopter engine may continue to run after the crash.

Aircrew and Passenger Safety

3. As ditching will result from the most common serious transfer accident—a swimmer offers the best form of aircrew rescue. However, should a helicopter crash on board other factors may be more important than aircrew rescue.

Ship and Ship Personnel Safety

4. In the event of a helicopter crashing on board, the aircraft:

- a. will generate rotor shrapnel;
- b. may catch fire; and
- c. in very rare instances, the engine may remain running.

5. Rotor shrapnel varies in size from slivers of metal with an initial velocity of up to 1,000 feet per second, to slower moving objects such as whole rotor blades twenty-five feet long weighing 160 lb. Shrapnel may be lethal to exposed personnel in all directions to 100 yards or more. Exposed objects such as fire hoses, foam drums, quarterdeck petrol stowages and saltwater mains may be damaged by rotor shrapnel or other crash debris.

6. Ship personnel necessarily exposed to those hazards such as the helicopter director and load handlers, should have a planned escape route. All other personnel, including fire parties, should shelter behind substantial cover.

7. The modern helicopter has a high magnesium content and a fuel load in the order of 250 gallons of aviation kerosene. (The Sea King has in excess of 700 gallons.) The fuel tank would probably rupture during the crash. Should fire occur it would probably flare suddenly to extremely hot and massive proportions. Only large quantities of foam, applied early, will control such a fire. Portable fire appliances will have little effect.

8. In the event of a helicopter crashing on board with the engine running, a serious fire and explosion danger exists. Untrained personnel are not to attempt to shut down the engine from the cockpit, as selection of an incorrect control may aggravate the situation. As soon as the danger of serious injury to rescue personnel by blade shrapnel, aircraft movement and disintegration debris is minimal the following actions are to be taken:

- a. whilst remaining clear of the turbine disintegration zones (Annex A), smother the engine intake and engine with foam to stop engine;
- b. rescue survivors whilst continuing to smother fire and fire danger areas;
- c. wash fuel spillage overboard; and
- d. secure aircraft whilst trained personnel disconnect electrical power sources in the aircraft.

Firesuitman Employment

9. A minimum of two firesuitmen are required. The second firesuitman is to have the sole duty to rescue the first should he need assistance. A firesuitman should not be permitted to enter an uncontrolled helicopter fire to unstrap and carry clear unconscious aircrew as he will not have time. He may assist survivors clear of a burning area and he may also enter non-burning wreckage, but he should be withdrawn within ten seconds if fire encircles him.

Personnel Required

10. A ship is to provide, as far as possible and in order of priority:
- a. one helicopter director and one line handler (a second handler is required for live transfers or weights over 20 lb);
 - b. one swimmer, equipped with face mask and a strong sharp knife;
 - c. one deputy helicopter director, in the event of the first being incapacitated by the crash;
 - d. four firepoint numbers to man two firepoints, on either side of the ship; and
 - e. two firesuitmen.

All personnel are to remain behind substantial cover until required, or if exposed, have planned escape routes.

Firefighting Equipment

11. The following firefighting equipment is to be provided, behind cover, if practicable:
- a. two hoseruns, plus FB5X foam branch pipes;
 - b. six foam drums;
 - c. standard firesuitmen rig including 0476-924-4592 Belt Fireman, 0273-910-4468/L1 Axe Fireman, 0476-924-4594 Case Axe and 0274-120-6198 Knife Quick Release with Pouch; and
 - d. hand rescue tools, including 0273-910-4343 Bar Crow Chisel and Claw 5 feet 6 inches, 0276-910-5746 Frame Hacksaw, 0273-910-4067/L1 Axe Felling 4½ lb and 0273-120-4678 Cutters Bolt.

Training Required

12. PWT and continuation training is to be arranged by Commanding Officers following the procedure laid down in AFGO Article 0222 or otherwise as directed by the Flag Officer Commanding HMA Fleet. The firefighting and rescue teams should be trained at HMAS ALBATROSS as follows:

- a. Aircraft Familiarisation and Firefighting for:
 - Helicopter Director,
 - Deputy Helicopter Director, and
 - Firesuitmen,
 - two weeks.
- b. Aircraft Firefighting for Firepoint Numbers,
 - one week.

Special Precautions

13. Three distinct areas require separate, special precautions. These are to prevent accidents, minimise shrapnel damage and control fire damage. Broadly these precautions are:

- a. *Accident Prevention*
 - (1) precautions for accident prevention as laid down in BR 766 Helicopter Operating Handbook;
 - (2) the helicopter transfer area, distinguishing marks are to be in accordance with ATP 16A Article 952.

b. Shrapnel Protection

- (1) escape routes are to be available for exposed personnel;
- (2) all other personnel are to be clear of the area or behind cover;
- (3) spare firefighting equipment is to be protected;
- (4) petrol stowages, vulnerable essential equipment and fixtures in the vicinity of the helicopter transfer area should be given adequate temporary protection from possible damage, eg, covered with shot mats. Temporary protection equipment must be secured to prevent movement caused by rotor down draft;
- (5) automatic ditching of damage petrol stowages, downwind if possible, is required;
- (6) rapid isolation of damaged sections of the salt water main is required.

c. Fire Protection

- (1) the ship is to be in NBCD State 3 Condition Yankee with NBCD Special Sea Dutymen closed up as required;
- (2) all ship side, deck and deckhouse openings in the area are to be closed;
- (3) the wreckage is to be sprayed immediately with large quantities of foam whether a fire exists or not;
- (4) stowed petrol is to be ditched, downwind of a fire if possible;
- (5) adjacent magazine is to be cooled by spraying, in the first instance, in the event of fire; and
- (6) close observation and control of firesuitmen.

General

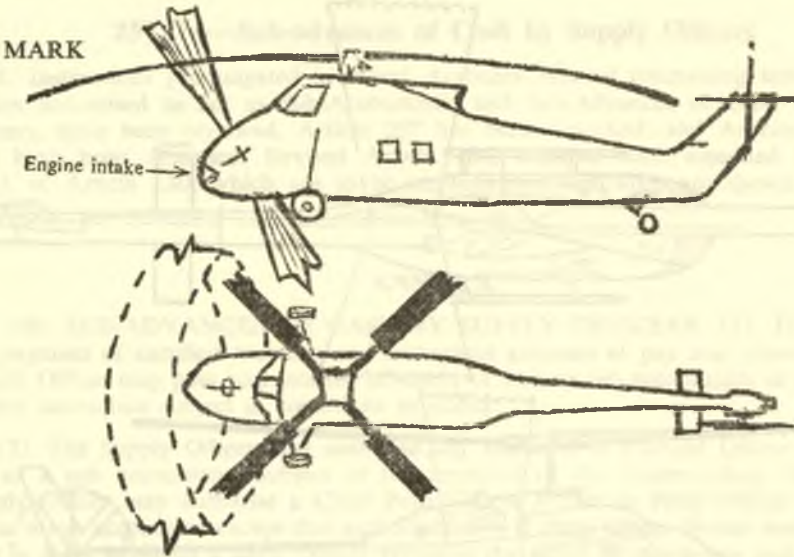
14. It should be realised that any accident will probably happen suddenly. There may be no aftermath, alternatively a very serious and complex situation might quickly develop. In the absence of proper precautions and timely action, lives may be lost. It is possible that serious damage at least may occur to the ship should upper deck magazines or petrol stowages become heated or damaged. Regard is required for 'free surface' effects and/or undue top weight caused by water used in firefighting.

Conclusion

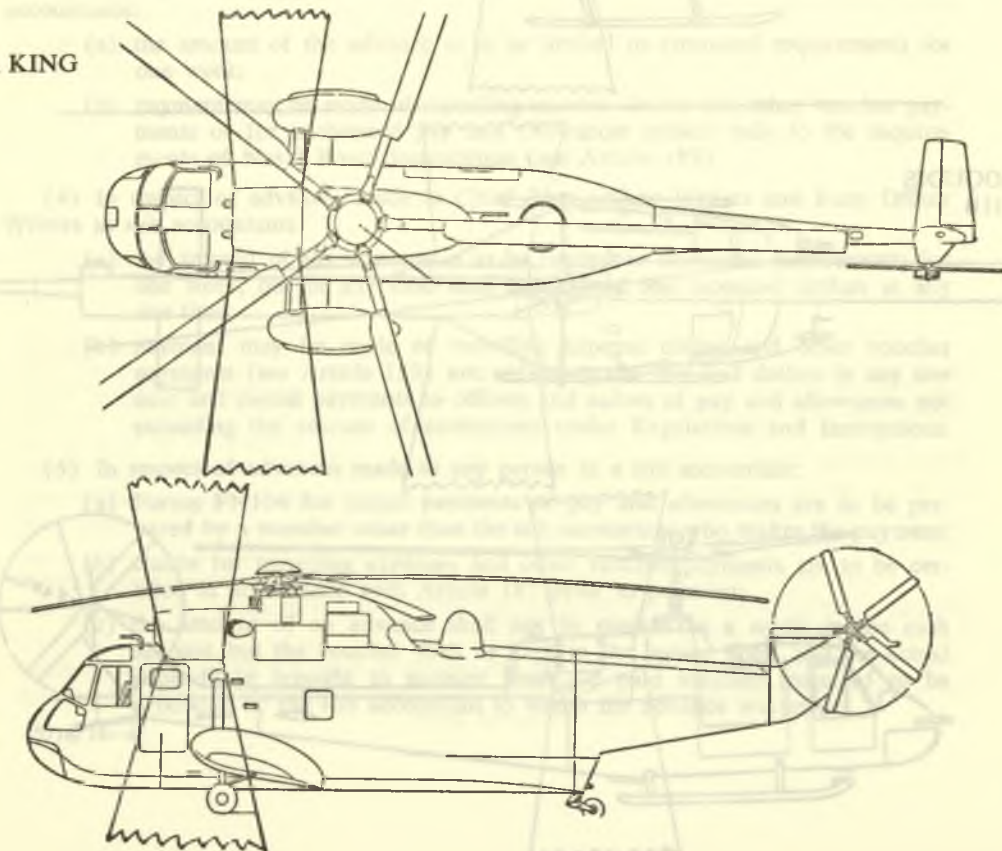
15. Authorities responsible are to ensure that the hazards of helicopter transfer operations are fully appreciated by their subordinates and that proper preparations and precautions are invariably taken to minimise these hazards.

ANNEX A Aircraft Turbine Disintegration Zones

1. WESSEX MARK 31B

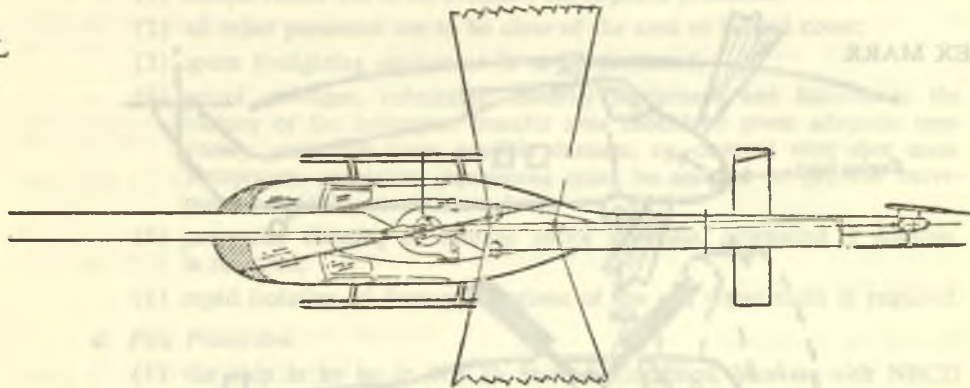


2. SEA KING

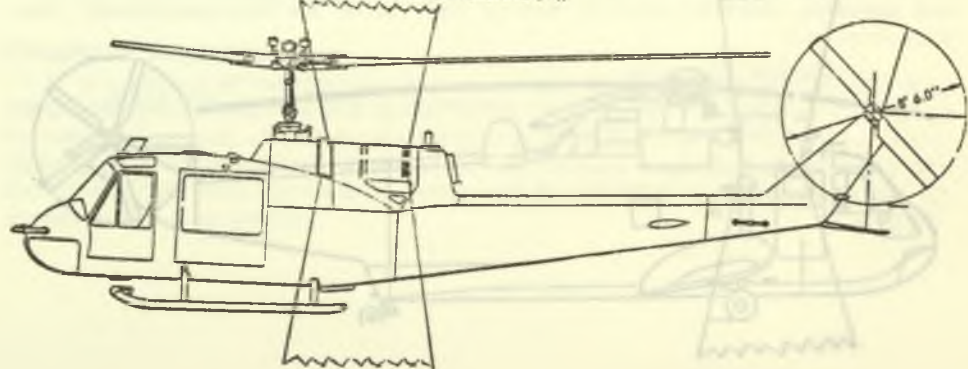
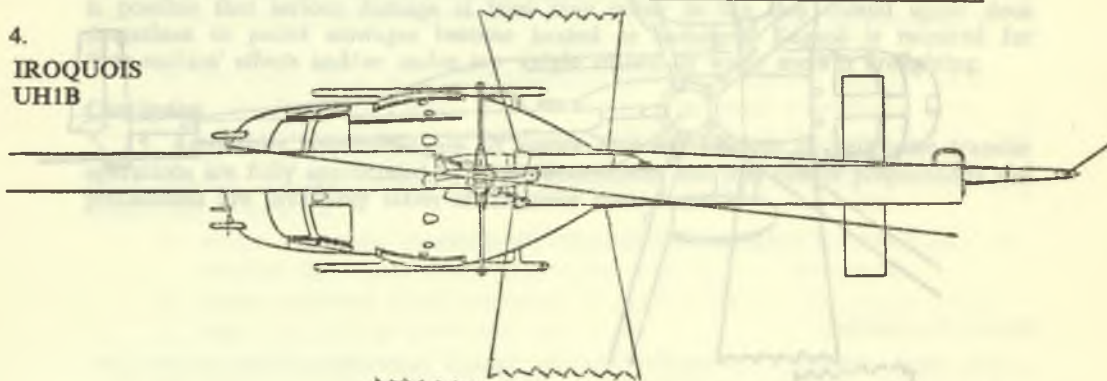


ANNEX A—continued

3.
BELL
206B



4.
IROQUOIS
UH1B



UNCLASSIFIED

257/74—Sub-advances of Cash by Supply Officers

1. Instructions promulgated in Naval Accounts Manual concerning senior Writer sailors authorised to act as Sub-Accountants and Sub-Advances of Cash by Supply Officers, have been reviewed. Article 207 has been cancelled, and Articles 106 and 130 have been amended. Revised Article 106, together with amended Paragraph 5 (e) of Article 130, which are to be implemented forthwith, are shown below as Annex A.

ANNEX 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 Naval Board instructions (*see* 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 one thousand dollars at any one time;
- (b) payment may be made of travelling expense claims and other voucher payments (*see* Article 189) not exceeding one hundred dollars 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;

ANNEX A—continued

- (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 when reimbursing the sub accountant with the amount expended therefrom;
- (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) 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."

"130 (5) (e) Details of each outstanding sub advance made to a sub accountant (*see* Article 106) are to be entered in Form FA122 Cash Balance to show date of issue, name of sub accountant and amount of advance. The inspecting officer shall check the individual amounts shown as advances to sub accountants against the receipts held therefor and verify correctness of the entries in Form FA122."

2. Copies of the Navy Accounts Manual are to be noted with reference to this Navy Order pending issue of amendment sheets.

(201/51/9)

Section 2

PERSONNEL

UNCLASSIFIED

258/74—Payment of Oversea Allowances During Leave to Members Serving Overseas on Long Term Duty

1. The conditions relating to the payment of oversea allowances during periods of recreation leave have been reviewed. For ease of reference all provisions have been consolidated in this Navy Order and may be applied with effect from 4 April 1974, unless otherwise stated.

Leave During Posting with effect from 28 November 1973.

- 2. a. When a member on long term posting overseas takes recreation leave with pay during the posting either within or outside the country of posting, provided that he resumes duty in the country of posting after such leave, normal living allowances (and Child and Rent Allowance if applicable) specified for the member in the country of posting are payable for the period of leave.
- b. Living in members who proceed on leave during posting are to continue being paid Living In Allowance and are not required to pay rations and quarters charges for the period of leave.

Leave on Completion of Posting with effect from 28 November 1973.

3. When a member takes recreation leave after completing a posting and prior to leaving the country of posting, payment of Oversea Living Out Allowance (and Supplementary Living and Child Allowance if applicable) will be paid either until the date of departure from the country of posting or until the maximum period as defined in Paragraph 6 has expired, whichever is the earlier. Oversea Living In Allowance is not paid concurrently with Oversea Living Out Allowance.

4. a. When a member takes recreation leave immediately after completing a long term posting in a country other than the country of posting, payment of Oversea Living Out Allowance (and Supplementary Living and Child Allowances if applicable) will be paid at the rate specified for the member at the original post for the period of recreation leave taken, or until the maximum period as defined in Paragraph 6 has expired, whichever is the earlier. Oversea Living In Allowance is not paid concurrently with Oversea Living Out Allowance.

b. It should be noted that payment may be paid during recreation leave taken in any country than the country of posting and this includes Australia.

5. Where there is a combination of the circumstances described in Paragraph 3 with those described in Paragraph 4 above, the maximum period of payment of the allowances described therein is limited overall to the maximum period as defined in Paragraph 6.

Definitions

6. For the purposes of Paragraphs 3, 4 and 5 above, the maximum period for which oversea allowances will be paid as follows:

Forty-two days . . . where postings were to countries which attract remote/oversea locality leave.

Twenty-eight days . . . for postings to all other countries.

Oversea Allowances may only be paid as indicated above provided the member is actually on leave. In assessing leave for these purposes, only normal annual leave, remote locality leave and foreign service leave which has accrued at the oversea post may apply. Other types of leave such as 'short leave', 'leave in lieu', etc, are not to be included.

Should a member take recreation leave on completion of a posting travel by sea, the rules governing the payment of Oversea Allowances should be the same as if he took that leave in any other locality.

Rental

7. Where a member was in receipt of an Oversea Living In Allowance at the post, the Oversea Living Out Allowance payable under Paragraphs 3 and/or 4 should be reduced by an amount equal to the unmarried rate of rental deductions laid down in the Scale of Rental Contributions.

8. Where a living out member is absent from his post on leave or duty, and the Government retains residential accommodation at the post for the member or the member continues to receive a rent allowance, rental deductions, in accordance with the Scale of Rental Contributions, will continue to be payable by the member.

9. Where a living out member is absent from his post on leave or duty and the Government does not retain residential accommodation at the post for the member or the member does not continue to receive rent allowance, Oversea Living Out Allowance payable to that member will be reduced by the appropriate amount from the

Scale of Rental Contributions. The member will not be required to make a rental contribution in the terms of the Scale of Rental Contributions. Notwithstanding the foregoing, the reduction based on the Scale of Rental Contributions shall not exceed the amount of Oversea Living Out Allowance (plus Supplementary Living Allowance if applicable) payable to the member.

Short and Intermediate Term Duty

10. Allowances relating to duty overseas are not payable in the event of a member on short term duty overseas being granted recreation leave.

11. The provisions of Paragraphs 2 to 9 may be applied to members on intermediate term duty overseas except that the maximum leave entitlement, on completion of posting, which may attract Oversea Allowances is to be calculated on a pro-rata basis having regard to the period the member has spent on duty overseas.

Fares

12. The Government commitment for fares is not to exceed that which would normally be incurred had the member (and his family where they are entitled to fares at Government expense) returned by the appropriate means of travel and the most direct route to Australia.

13. Navy Order 164/74 is hereby cancelled.

(252/4/123)

(Navy Order 164/74)

UNCLASSIFIED

259/74—Travelling Allowance—Members on Long and Intermediate Term Duty Overseas

1. The rates of Long and Intermediate Term Duty Travelling Allowance notified, *vide* Navy Order 212/72, as subsequently amended, have been varied.

2. Allowances payable for the Philippines, Portugal, Britain, Saudi Arabia, Lebanon and Chile have been varied. 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	19.5.74	LE ..	9.000	10.400
Argentina	25.1.73	\$A ..	12.00	13.00
Austria	21.11.73	Schillings ..	550	630
Bangladesh(c)— Dacca	4.2.72	Rupees ..	175	190
Elsewhere—See Table B				

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
Brazil— Brazilia	5.2.74	\$A ..	23.00	27.00
Sao Paulo	5.2.74	\$A ..	22.00	26.00
Elsewhere	5.2.74	\$A ..	21.00	24.00
Britain	15.11.73	\$ Sterling ..	10.50	13.00
Greece	16.1.74	Drachmae ..	610	760
India— New Delhi	31.10.73	Rupees ..	205	230
Bombay	31.10.73	Rupees ..	210	235
Calcutta	31.10.73	Rupees ..	225	250
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
Laos— Vientiane	28.9.72	Kip ..	12300	13000
Luang Prabang	28.9.72	Kip ..	10530	11000
Elsewhere	28.9.72	Kip ..	5780	6400
Lebanon	13.5.74	LL ..	52	57
Malaysia— Kuala Lumpur, Penang	1.12.72	\$M ..	57	74
Elsewhere—See Table B				
Mauritius	29.1.74	Rupees ..	118	140
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
Saudi Arabia	11.6.74	S Riyals ..	176.00	204.00
Singapore	1.12.72	\$S ..	65	82
South Africa(b)	28.4.72	Rand ..	18.00	20.50
Sri Lanka (Ceylon)(c)— Colombo	31.10.73	\$A ..	16.50	18.00
Elsewhere—See Table B				
Trinidad and Tobago— within Trinidad and Tobago	9.10.72	\$TT ..		
		16/4 to 15/12	48	57
		16/12 to 15/4	60	65
Turkey— Ankara, Burse, Istanbul, Ismir	1.11.72	T Lira ..	340	410
Elsewhere	1.11.72	T Lira ..	230	270

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
Bangladesh(c)—Elsewhere ..	4.2.72	Rupees ..	65	75
Belgium ..	11.3.74	B Fr ..	600	700
Burma ..	28.9.72	Kyats ..	45	55
Canada ..	18.6.73	\$Can ..	15.00	17.00
Caribbean Area(e) ..	21.2.74	\$A ..	13.50	15.00
Chile ..	13.5.74	\$A ..	7.00	8.00
China, People's Republic of ..	31.1.74	Yuan ..	12	12.50
Denmark ..	8.3.74	D Kroner ..	100	120
Fiji ..	16.1.74	\$F ..	8.00	10.00
Finland ..	30.11.73	F Marks ..	50	60
France ..	5.12.73	Francs ..	70	75
Germany ..	26.11.73	D Marks ..	55	60
Ghana ..	17.12.73	New Cedis ..	13.00	14.50
India—Elsewhere ..	31.10.73	Rupees ..	60	65
Indonesia— Djakarta ..	3.10.72	Rupiahs ..	5725	6660
Elsewhere—See Table C ..				
Ireland ..	13.9.73	£ Irish ..	4.00	5.00
Italy ..	10.1.74	Lire ..	7500	9500
Japan ..	2.7.73	Yen ..	5300	6200
Kenya ..	28.4.72	Shillings ..	65	75
Korea, Republic of ..	2.7.73	Won ..	4450	5150
Malaysia—Elsewhere ..	1.12.72	\$M ..	26	32
Malta ..	1.8.72	£M ..	3.15	4.15
Mexico ..	14.6.74	Pesos ..	175	200
Netherlands ..	8.3.74	N Florins ..	40	50
New Caledonia ..	16.1.74	CFP Francs ..	1300	1500
New Zealand ..	16.1.74	\$NZ ..	9.00	10.50
Nigeria ..	13.12.73	Naira ..	8.75	10.00
Norway ..	30.11.73	Kroner ..	100	120
Pakistan—Elsewhere ..	31.10.73	Rupees ..	65	75
Philippines ..	6.5.74	Pesos ..	57	64
Portugal ..	1.5.74	Escudos ..	350	460
Spain ..	11.6.74	Pesetas ..	680	790
Sri Lanka (Ceylon)(c)—Elsewhere ..	31.10.73	Rs ..	55.00	65.00
Sweden ..	8.3.74	S Kroner ..	70	80
Switzerland ..	13.11.73	Francs ..	58	65
Tanzania(a) ..	28.4.72	T Shillings ..	51	56
Thailand ..	20.2.73	Baht ..	170	185
Union of Soviet Socialist Republics ..	22.11.73	Roubles ..	11	12
United States of America ..	18.6.73	\$US ..	15.00	17.50
Yugoslavia ..	21.11.73	New Dinar ..	140	180

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
Indonesia—Elsewhere ..	3.10.72	Rupiahs ..	1335	1500
Khmer Republic ..	14.3.74	\$A ..	2.00	2.50
Vietnam Democratic Republic of ..	15.5.73	Dong ..	3	4
Vietnam Republic of ..	22.11.72	Piastres ..	825	1650
Other Countries ..	8.1.74	\$A ..	2.50	3.00

Notes: 1. Members staying in 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.

2. These rates also apply to travel within the territories of Botswana, Lesotho and Swaziland.

3. Members on Short Term Mission who are on 'within country' rates are to receive the \$A equivalent converted at the tourist rate of exchange.

4. Members travelling in countries where a 'B' rate of travelling allowance applies should arrange accommodation bookings through the respective posts wherever possible.

5. 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. The following Navy Orders, their contents having been consolidated above, are hereby cancelled:

Navy Orders 212/72, 309/73, 340/73 and 171/74.

(252/4/177)

(Navy Orders 212/72, 309/73, 340/73 and 171/74)

UNCLASSIFIED

260/74—Travelling Allowance—Members on Short Term Duty Overseas

1. The rates of Short Term Duty Travelling Allowance notified, *vide* Navy Order 213/72, as subsequently amended have been varied.

2. Allowances payable for the Philippines, Poland, Portugal and Britain have been varied. 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(c)	10.7.72	LE	12.650	14.250
Argentina	25.1.73	\$A	19.50	24
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	5.2.74	\$A	25	29
Sao Paulo	5.2.74	\$A	24	28
Elsewhere	5.2.74	\$A	23	26
Britain(a)	15.11.73	£Stg	12.75	18.75
Burma	28.9.72	Kyats	130	140
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(a)	5.12.73	Francs	220	245
Germany	26.11.73	D Marks	119	129
Ghana	17.12.73	New Cedis	42	44
Greece	16.1.74	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				
Iran	24.8.72	Rials	2030	2490
Iraq	19.5.74	I Dinars	10.250	11.750
Ireland	13.9.73	£ Irish	9.75	13.25
Israel	7.1.74	IL	180	200
Italy(a)	10.1.74	Lire	22190	27190
Jordan	20.5.74	J Dinars	14.250	15.800
Kenya	28.4.72	Schillings	225	245
Korea, Republic of	2.7.73	Won	12200	14200
Kuwait	19.5.74	K Dinars	16.750	17.650
Laos	2.5.74	Kip	19.500	20.400
Lebanon	13.5.74	LL	115	135
Malaysia	1.12.72	\$M	65	75
Malta	1.8.72	£M	7.15	9.65
Mauritius	29.1.74	Rupees	130	152
Mexico	22.9.72	Pesos	415	505

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
Nauru	16.1.74	\$A	23	25
Netherlands(a)	8.3.74	N Florins	120	150
New Zealand(a)	16.1.74	\$NZ	22.50	27.00
Nigeria	13.12.73	Naira	27.50	32.00
Norway	30.11.73	Kronor	250	310
Pakistan—				
Islamabad/Rawalpindi and Lahore	31.10.73	Rupees	250	270
Karachi	31.10.73	Rupees	340	390
Elsewhere—See Table B				
Peru	25.9.72	Soles	1400	1600
Philippines(a)	6.5.74	Pesos	250	275
Poland(c)(d)	15.3.74	Zloties	910	1120
Portugal	1.5.74	Escudos	880	1130
Saudi Arabia	11.6.74	S Riyals	190.000	220.000
Singapore	1.12.72	\$S	75	95
South Africa	28.4.72	Rand	19.50	22.50
Sri Lanka (Ceylon)—				
Colombo	31.10.73	\$A	17.50	19.00
Elsewhere—See Table B				
Spain	1.1.74	Pesetas	1450	2075
Sweden	8.3.74	S Kroner	190	220
Switzerland(a)	13.11.73	Francs	130	160
Tanzania	28.4.72	T Shillings	210	220
Thailand	20.2.73	Baht	485	610
Trinidad and Tobago	9.10.72	\$TT		
		16/4 to 15/12	53	63
		16/12 to 15/4	65	71
Turkey	1.11.72	T Lira	410	460
Vietnam, Republic of	22.11.72	Piastres	7800	8700
Yugoslavia	21.11.73	New Dinar	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
Bangladesh—Elsewhere	4.2.72	\$A	8	10
Canada	18.6.73	\$Can	19.00	22.00
Caribbean Area(b)	21.2.74	\$A	15.00	17.00
Chile	26.3.74	\$A	11.00	12.50
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
Indonesia	3.10.72	Rupiahs	7060	8160

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
Japan	2.7.73	Yen ..	7000	7900
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	15.5.73	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	14.3.74	\$A ..	3.00	3.50
Other Countries	8.1.74	\$A ..	4.00	5.00

- Notes: 1. Attention is drawn to the special provisions relating to leaders of delegations and officers accompanying ministers.
2. Caribbean Area is defined as those islands which border the Caribbean Sea except Trinidad and Tobago, French West Indies, Netherlands Antilles, Haiti and Cuba. Caribbean Area Travelling Allowance also excludes members on long term posting at Trinidad and Tobago.
3. If tourist rate of exchange is obtained, this rate must be used in calculating Travelling Allowance.
4. These rates may be used for members required to remain in Warsaw for longer than twenty-eight days on a short term mission until the rates for such members are varied.

3. Conditions of payment are contained in NPI 1705-6.

4. The following Navy Orders, their contents having been consolidated above, are hereby cancelled:

Navy Orders 213/72, 329/72, 426/72, 94/73, 221/73, 291/73, 310/73 341/73 and 172/74.

(252/4/177)

(Navy Orders 213/72, 329/72, 426/72, 94/73, 221/73, 291/73, 310/73, 341/73 and 172/74)

UNCLASSIFIED

261/74—Vaccination and Immunisation

Introduction

- The following order is subject to the provisions of RI Chapter 44, Section V.
- Where requirements relating to civilians are given it is to be understood that these are included for guidance only.
- Dependants of Naval personnel proceeding outside Australia at departmental expense may be medically examined, vaccinated, immunised, have a chest X-ray, a Mantoux test and if necessary BCG vaccination at a Naval Medical Establishment, and be issued with certificates.
- If preferred these procedures may be carried out by a Government or civilian medical practitioner, however, unless the prior written approval of either the Service or Government Medical Officer is obtained, an examination by a civilian medical practitioner will not suffice.
- The attention of accompanied married personnel is drawn to NPI 1751 and NPI 1781.
- As it is not practicable to promulgate by Navy Orders the frequent changes in international regulations for air travel, travellers leaving Australia by air will be informed of their requirements in passage instructions issued by the Naval authorities sponsoring the flight.

Certificates of Vaccination and Immunisation

RAN Personnel—International Certificates

7. In conformity with the regulations of the World Health Organisation, International Certificates are required when travelling by air and may be required by personnel travelling overland or by sea in other than HMA ships. They require stamping with the approved stamp authorised for vaccinations performed by Medical Officers of the Defence Forces acting in their official capacity. The use of this stamp is to be confined to this purpose. Vaccination Certificates are to be signed by a Medical Officer only, never by Medical Staff or other unqualified persons. The correct type of International Certificate is to be used, as any other type will not receive international recognition and may cause difficulty between the traveller and foreign officials. A new form of International Certificate was introduced by the World Health Organisation on 1 January 1971 and all subsequent issues are to be of the new pattern.

8. As from 1 January 1971, International Certificates of Vaccination against smallpox must conform with the new format adopted by the World Health Organisation. In this new format there is an addition that the vaccination or re-vaccination has been performed with a freeze dried or liquid vaccine certified to fulfil the recommended requirements of the World Health Organisation. In addition, space on the certificate has been reserved for the inclusion of the origin and batch number of smallpox vaccine. These requirements must now be met for international travel.

9. The smallpox vaccine produced by the Commonwealth Serum Laboratories has been officially recognised by the Department of Health as fulfilling the recommended requirements of the World Health Organisation.

New Entry Personnel

10. An International Certificate of Vaccination is to be raised for all new entries. This will normally be kept with the member's medical documents. All personal information is to be completed on the certificate which must be signed by the member.

Serving Personnel

11. The International Certificate of Vaccination is to be kept with the member's medical documents. When travelling overseas other than in HMA ships the International Certificate of Vaccination will be in the personal possession of the member and returned to the member's medical documents at the first opportunity.

Replacement of Certificates When Full

12. When the number of spaces allotted to any particular form of vaccination are full, a new certificate is to be issued for subsequent entries, but the old certificate is to be retained as long as any of the entries in it remain valid under the regulations contained in this order. Entries are not to be transferred from the old certificate to the new, as World Health Organisation requirements are that each entry should be signed only by the Medical Officer who actually carried out the vaccination.

Replacement of Lost Certificates

13. An International Certificate which is lost, inadvertently destroyed, or damaged sufficiently to render the valid entries illegible, may be replaced by a new one, but entries are not to be re-created from other records such as vaccination registers or PM168 unless the Medical Officer who carried out each previous vaccination is available to sign the entry referring to it. Records of previous vaccinations on PM168 will be accepted, in lieu of International Certificate entries, for Service purposes only. If the new International Certificate is required for overseas travel, re-vaccination will be necessary according to destination and current International requirements.

14. Supplies of the International Certificates of Vaccination are to be obtained from the Superintending Victualling Store Officer, Pyrmont. Dependants who elect to be immunised by a civilian practitioner, at their own expense, may procure their International Certificate in each capital city, through the office of the Department of Health in the State concerned.

Wives and Families of Naval Personnel, Naval Civilian Employees, Their Wives and Families

15. Individual International Certificates are to be completed for each vaccination for dependants proceeding outside Australia.

Counter-stamping and Counter-signing

16. All International Certificates issued by other than Service Medical Officers require to be counter-stamped and counter-signed at the Department of Health in the State concerned. As Yellow Fever Certificates are issued only by recognised centres they do not require such counter signature, *see* Paragraph 83.

Method of Dating

17. The dates on each certificate are to be recorded in the following sequence: day, month, year, the month in letters, eg, 10 October 1970.

Corrections, Blotches on International Certificates

18. It is of paramount importance that blotches, corrections, etc, on International Certificates be avoided, as these blemishes may be regarded as forgeries by some foreign officials and may result in delay and inconvenience to travellers.

19. All vaccinations and immunisations are to be recorded on the Medical Envelope PM168, as well as in the International Certificate at the time of vaccination, using the method of dating laid down in Paragraph 17. Personnel being vaccinated are advised to request confirmation from the medical authority performing the vaccination that this has been done. A valid International Certificate of Vaccination is the only documentary evidence that will be accepted for internal service purposes if there is no entry on PM168.

20. All ships and establishments will, in addition, keep a register in which details of all vaccinations and immunisations will be entered. (Hitherto required for smallpox vaccination only.) If the Medical History Documents of the person vaccinated are not held at the time of vaccination, the details are to be transcribed on to the PM168 from the vaccination register at the first opportunity.

21. Strict adherence to the intervals between doses of vaccine is to be observed whenever possible. Only in very exceptional circumstances are these intervals to be shortened; they may be increased slightly if necessary. To ensure continuity when sailors are posted before completion of a course of immunisation, RI Article 4475 must be complied with conscientiously.

Smallpox (Compulsory at All Locations)

22. All officers and sailors entering the Service are to be vaccinated, or re-vaccinated, using the technique set out below. Further re-vaccination of active Service personnel is to be carried out every three years, or more often if circumstances demand. Passengers to or through areas with a high incidence of smallpox should have been vaccinated within the preceding twelve months; such areas will be promulgated from time to time.

Method of Vaccination

23. The area to be vaccinated should be well cleansed with soap and water and must be thoroughly dry before the lymph is applied. Care should be taken not to rub the skin so vigorously as to damage the epidermis and thus encourage the development of secondary vesicle. Methylated spirit, alcohol or other agents should not be applied.

24. The capillary tube containing the vaccine lymph is broken at each end and the lymph shaken down to the broken end. If the end is now touched to the skin at the prepared site, a drop of lymph will be drawn out by capillary attraction; it must not be blown out by applying the lips to the other end of the tube. The lymph should cover an area of about $\frac{1}{4}$ of an inch in diameter. If the capillary tube is broken into several short lengths, each containing lymph, two or more patients can be vaccinated economically from a single tube. A flat-sided Hagedorn needle which should be of relatively large size, in good condition, sharp and sterile, is held parallel or tangential to the arm with the forefinger and middle finger above and the thumb below. The side of the needle point is then pressed firmly and rapidly into the drop for the required number of pressures (*see* below); the needle is lifted clear of the skin each time and the up and down motion is in a plane perpendicular to the skin. The needle point is not driven into the skin but at each pressure the elasticity of the skin pulls a little of the epidermis over the point of the needle so that the lymph is carried into the deeper

epidermal layers. If the skin has not been unduly irritated by a preliminary cleansing procedure and the needle has been properly aligned, no pain or bleeding should occur. As soon as the pressures have been completed, the excess lymph should be wiped off with cotton wool. The immediate application of a dressing is unnecessary. At the stage of maximum reaction, however, a piece of sterile gauze may be placed over the lesion if considered desirable.

25. First vaccination after entry should be done by means of an insertion about $\frac{1}{8}$ of an inch in diameter. If there is a definite scar of previous vaccination, thirty pressures are to be employed in making this insertion. If there is no evidence of previous vaccination, ten pressures only need be employed.

26. Routine re-vaccination is to be done by an insertion with thirty pressures.

27. When re-vaccination is undertaken in the presence of an epidemic or undue prevalence of smallpox, there should be at least two separate areas of insertion with thirty pressures in each.

28. When primary vaccination is performed on infants, thirty pressures should be employed. The best age for vaccination in a thriving infant is from three to four months.

Assessment of Results

29. Accurate reading of the results of vaccination depends both on the period of time after insertion at which the maximum local reaction occurs and on the degree of reaction. Maximum reaction may occur at any time within two to ten days after vaccination. Inspection should be carried out on the sixth day, to assess the result which is to be recorded as follows:

- a. Where vesicle formation is absent, a second attempt is to be made. If a similar result is obtained, it is to be recorded as 'Reaction of Immunity' (RIV). Immunity is not to be regarded as a life-long categorisation, and such persons are to be re-vaccinated at the usual intervals. The terms 'Insusceptible to Vaccination' (ITV) and 'no reaction' are no longer to be used.
- b. Where vesicle formation is present:
 - (1) Where vesicle formation is moderate and is judged to have reached or passed its maximum at the time of inspection (on the sixth day) it should be recorded as 'Accelerated Reaction (Vaccinoid)' (AR (V)).
 - (2) Where vesicle formation is more marked than in (1) and is still developing it should be recorded as 'Typical Primary Vaccinia' (TPV).
 - (3) If in doubt whether the reaction has reached its maximum at the sixth day, a further inspection is to be made two days later.

In the International Certificate, the vaccination is recorded only as 'Successful' (AR (V) or TPV) or 'Unsuccessful' (RIV).

Contra-indications to Smallpox Vaccination

30. Vaccination of pregnant women should be avoided as far as possible, especially during the first three months, when it should be performed only in urgent circumstances. Persons suffering from extensive dermatitis or eczema in an active phase should not be vaccinated except when absolutely necessary and with the concurrence of a skin specialist.

Precautions With Regard to Simultaneous Use of Other Immunising Agents

31. If yellow fever immunisation is necessary, it should precede primary vaccination against smallpox, a period of four days intervening.

32. If circumstances demand that primary vaccination against smallpox be done first, there should be an interval of twenty-one days from the date of vaccination before the yellow fever immunisation is given.

33. When infants under the age of nine months are to be vaccinated against both yellow fever and smallpox, there should be an interval of twenty-one days between the two vaccinations, no matter which is performed first. Under no circumstances is the interval to be shortened.

34. Where there is evidence of previous successful vaccination against smallpox, yellow fever immunisation and re-vaccination against smallpox may be carried out at the same session but if time permits yellow fever immunisation should always precede re-vaccination by at least four days.

35. Immunisation for other than yellow fever may be given at the same time as vaccination but in the other arm.

Storage of Vaccine Lymph

36. Lymph should be stored in the freezing chamber of a refrigerator, when it will keep for up to twelve months, provided it is not allowed at any time to thaw out. Between 0°-10° C it will keep only fourteen days, and between 10°-20° C for no more than seven days. If no reaction is observed on primary vaccination, the lymph may be assumed to have lost its potency, and a second attempt should be made with fresh lymph of a new batch.

International Requirements

37. All Naval personnel and Naval civilian employees and their wives and families, require an International Certificate of Vaccination before leaving Australia.

Certificates

38. Certificates are valid for three years from the eighth day after a successful primary vaccination, or in the event of re-vaccination, on the date of that re-vaccination. Certificates on the current form, issued up to 1 January 1966, will remain valid for the normal period. On re-vaccination after that date, however, a fresh certificate of the new pattern is to be issued. The old certificate should be retained until the validity of all other entries has expired—see Paragraph 12. It is to be noted that the new pattern of International Certificate will require the origin and batch number of the vaccine to be inserted, and it will be invalid without such records.

Age of Person Vaccinated

39. Three months and over, in case of special risk may be done at any age.

Typhoid (Compulsory at All Locations)

40. All male personnel are to be immunised on entry against typhoid fever, and a booster given every three years up to the age of thirty-five years unless at risk, when a booster is given annually. If more than three years has elapsed since the completion of the primary vaccination or the administration of the last booster, the primary vaccination need not be repeated in order to promote an adequate antibody response. It is recommended that a member over the age of thirty-five years going to an 'at risk'

area receive an intradermal booster. Except as specified above, all personnel are to be immunised against typhoid before they join one of HMA ships or proceed outside Australia by any means. Female personnel are immunised against typhoid as appropriate if overseas travel is contemplated.

Primary Vaccination

41. The vaccine is to be given by subcutaneous injection and the interval between the first and second doses is four to six weeks. A third dose is given six months later.

Age	1st Dose (mls)	2nd Dose (mls)	3rd Dose (mls)
Adults and children over 12 years of age	0.5	0.5	0.5
Children aged 6-12 years	0.25	0.25	0.25
Children aged 1-5 years	0.1	0.2	0.2
* Children less than 1 year	0.1	0.1	0.1

* Infants are usually not inoculated with typhoid vaccine since typhoid injections are rare in this age group.

42. Boosters may be given by subcutaneous or intradermal injection. If the subcutaneous route is used, the dose is the same as the second dose of the primary course according to age group. Alternatively, 0.1 ml could be injected intra-dermally; this method of giving boosters is often used in persons giving a history of severe reactions to previous typhoid inoculations. It must be stressed, however, that the intradermal dose is one-fifth the volume of the subcutaneous dose. On foreign stations, where enteric fevers are prevalent, a booster should be given to all persons on arrival, irrespective of their previous immunisation history, unless they have received a booster within the preceding three months. Re-immunisation should then be repeated annually while the subject remains in the endemic area. TPNG is not an 'at risk' area.

43. The immunogenic properties of bacterial vaccine are best preserved at or just below 39° F (4° C) and such vaccines deteriorate in protective power when kept for long periods at or above 'room' temperatures. All bacterial vaccines should, when possible, be kept in a cool room or refrigerator but should not actually be frozen.

44. Intradermal typhoid vaccine may only be given by a medical officer. A tuberculin syringe is always to be used for intradermal injections. Care is to be taken that the subcutaneous injection of typhoid vaccine is not given intramuscularly or intravenously.

45. Extreme physical exertion must be avoided for twenty-four to thirty-six hours after each inoculation. If possible, injections should be given in the evening so that the worst of any reaction is over by the following morning. Aircrew are to be restricted from flying for the duration of any reaction.

International Requirement

46. No international requirement exists at present, but all Naval personnel and Naval civilian employees and their wives and families are to have typhoid vaccination carried out before leaving Australia.

Certificates

47. Certificates are valid immediately on completion of vaccination for a period of three years.

Tetanus and Diphtheria (Compulsory at All Locations)

48. All new entry personnel, other than those who are able to produce documentary evidence of a completed triple antigen course or its equivalent in childhood, are to be given a basic immunising course of three deep-subcutaneous or intramuscular injections, each of 0.5 ml Adult Diphtheria-Tetanus Vaccine (ADT) with an interval of six to twelve weeks between the first and second dose, and six to twelve months between the second and third doses. Recruits with satisfactory evidence of basic prophylaxis against tetanus as outlined above, are to be given a boosting injection of 0.5 ml ADT only. Both groups are to receive a maintenance dose of 0.5 ml ADT at ten yearly intervals thereafter. Under no circumstances must CDT vaccine be used. This children's diphtheria-tetanus vaccine contains 12.5 Lf of diphtheria toxoid, and could cause a severe reaction if given to adults.

49. Passive protection with tetanus immunoglobulin of human origin need only be considered when the patient has had less than two previous injections of tetanus toxoid, and the injury is such as to give rise to the risk of tetanus. Tetanus antitoxin of equine or bovine origin has been superseded by tetanus immunoglobulin of human origin. Persons injured after completion of active immunisation should receive a booster dose of tetanus toxoid (APA) 0.5 ml by subcutaneous injection.

International Requirement

50. No international requirement exists at present.

51. There is no international requirement for tetanus immunisation, but a record should be entered in the 'other vaccinations' section of the certificate, as well as on the PM168 and in the ship's register.

Poliomyelitis (Compulsory at All Locations)

52. All personnel are to be immunised as soon as possible after entry. Serving members are to be immunised with the Sabin vaccine irrespective of whether they have previously received a course of Salk vaccine.

Primary Immunisation

53. 1st dose 0.2 ml
2nd and 3rd doses 0.2 ml eight weekly intervals.

Method of Administration

54. There are two methods:

- Using the calibrated dropper provided with the vaccine 0.2 ml may be placed in a disposable paper cup and the cup half filled with DISTILLED or DEIONISED water before administration. Paper cups are available on indent in the same way as other medical stores. The Catalogue Number is as shown below and should be quoted on demands:

6530-66-026-1158 Medicine cup, paper, disposable, graduated 5 ml to 5 ml graduations.

or

- Using the calibrated dropper provided with the vaccine the 0.2 ml of the vaccine may be placed on a sugar cube.

Re-immunisation (Booster)

55. This will not normally be required except under epidemic or special risk conditions when a single oral dose of 0.2 ml will be given. Epidemic and special risk conditions will be declared when necessary.

Source and Supply of Vaccine

56. Vaccine is available on normal indent as:

6505-66-036-9290	Poliomyelitis Vaccine, Live, oral Sabin type, trivalent	10 dose
6505-60-026-2823	Poliomyelitis Vaccine, Live, oral Sabin type, trivalent	20 dose

Precautions

57. Oral poliomyelitis vaccine is not to be given to the following:

- persons suffering from an illness in which there may be failure of immunological response, eg, leukaemia;
- persons suffering from neurological diseases or muscular dystrophies;
- persons who are being treated with immunosuppressive agents, or who have seen so treated within the previous month. Such agents include systemic corticosteroids, deep X-ray therapy, alkylating agents and cytotoxic drugs.

58. In the following instances the vaccine should be withheld until the person concerned has made a complete recovery:

- persons with acute systemic infection;
- persons with diarrhoea or a gastro-intestinal illness.

The Medical Officer should ensure that all personnel to be immunised are not suffering from these or any other adverse conditions.

59. It may be found that some members have already been immunised by the Sabin vaccine before joining the Royal Australian Navy. If this claim is supported by documentary evidence such information may be entered on Table 7 of Form PM168 and any subsequent necessary completing dose given and recorded. Where documentary evidence is not available a written statement from a parent or guardian or by a member eighteen years of age, or more, may be accepted.

International Requirements

60. There are no international requirements.

Certificates

61. Certificates are not normally required unless requested by the recipient. No entry should be made in the International Certificate.

Tuberculosis-Mantoux Testing and BCG Vaccination (Compulsory at All Locations)

62. All personnel as soon as practicable after entry, are to be skin-tested by the Mantoux test and non-reactors vaccinated with BCG (Bacillus Calmette Guerin) vaccine. Every effort is to be made to have this procedure completed before any officer or sailor joins a sea-going ship or proceeds outside Australia by any means. Dependents of Naval personnel proceeding outside Australia at departmental expense, are required to complete this procedure (and to have a chest X-ray) before embarkation.

63. Arrangements that have already been made with State Directors of Tuberculosis for testing and vaccination of new entries are to stand. In addition, however, it will be necessary for Naval Medical Officers to perform the procedure as convenient on serving members and on dependants proceeding outside Australia. BCG vaccine is available through the AMF on normal indent which must be counter-signed by a Medical Officer. It is a requirement before BCG vaccine can be issued that the Medical Officer who is to perform the procedure has had some training or experience in it. Medical Officers-in-Charge are to ensure that at least one Medical Officer under their command has the necessary experience, if necessary attending a State Chest Clinic for the purpose and that thereafter all other Medical Officers attend testing and vaccination sessions in order to obtain such experience.

64. Persons who are particularly likely to be exposed to infection, eg, medical and dental officers, nursing sisters, medical and dental sailors should be priority tested and if negative, vaccinated as soon as possible after entry.

Recording of Test Results and Vaccinations

65. Records are to be made as follows:

- if the initial Mantoux test is POSITIVE, an entry to that effect is to be made in Table 9 of the member's PM168;
- if the initial test is NEGATIVE, BCG vaccination should be carried out forthwith, and a record of the vaccination made in Table 7 of Form PM168;
- after six to eight weeks a second Mantoux test is to be carried out on members vaccinated;
- the result of the second test is then to be entered in Table 9 of Form PM168.

66. No other vaccination should have been given in the same arm within one month before BCG vaccination, nor should any be given in that arm less than two weeks afterwards, nor into the other arm (or elsewhere) within twenty-four hours after the Mantoux test or BCG vaccination.

International Requirements

67. None exists at present.

Certificates

68. No certificate is required, and no entry should be made in the International Certificate.

Cholera (Before Proceeding Outside Australia)

69. All personnel and dependants proceeding outside Australia at departmental expense (except when travelling directly to New Zealand) are to be immunised against cholera. Serving personnel posted to a sea-going ship should be immunised before joining if the ship is programmed to leave Australian waters.

Primary Vaccination

70. The vaccine is given by subcutaneous injection and consists of two doses of vaccine given at an interval of fourteen to twenty-eight days. If there is insufficient time in which to complete the course as recommended above, the second dose may be given at an interval of not less than seven days. The longer interval is to be preferred.

Age	1st Dose (mls)	2nd Dose (mls)
11 years and above	0.5	1.0
6-10 years	0.4	0.8
2-5 years	0.25	0.5
6 months-1 year*	0.15	0.3

* Children under six months of age are not usually given cholera vaccine, as, with adequate maternal care, the risk of exposure to infection should be very small. However, if, under special circumstances, it is desired to immunise children of this age, doses as for the six months to one year group may be given.

Boosters

71. A booster dose is required every six months while an individual is at risk. The size of this dose should correspond to the second immunising dose of the two-dose schedule given above. If more than six months have elapsed since the last injection, primary vaccination need not be repeated.

72. a. Cholera and typhoid vaccines may be mixed in the same syringe for subcutaneous injections;
- b. aircrew are to be restricted from flying for the duration of any reaction to the vaccine;
- c. Papua New Guinea is not an 'at risk' area at the present time;
- d. the words 'Cholera Vaccine BP' and dosage given in mls are to be written in the approved stamp box prior to application of the approved stamp and signature. Certificates are valid for a period of six months beginning six days after the first injection. After re-immunisation, validity is reckoned from that date.

Plague

73. Protective immunisation against plague consists of a dose of 0.5 ml of plague vaccine followed by a dose of 1.0 ml after an interval of seven days. Re-immunisation is required every six months.

International Requirements

74. International requirements vary from time to time and will be promulgated as necessary.

Certificates

75. Certificates are valid for six months from the seventh day after the second vaccination. The interval between vaccinations is nine days. Vaccinations are to be recorded on Page 10 or 11 of the International Certificate.

Age of Person Vaccinated

76. Two years and over.

Typhus (Immunisation When Circumstances Demand)

77. Protective vaccination against typhus consists of three doses of 1.0 ml of typhus vaccine given at intervals of seven days. Renewed protection against typhus is required after one year.

International Requirement

78. Requirements will be promulgated by signal as necessary.

Certificates

79. Certificates are valid for one year from the seventh day after the last vaccination. Three vaccinations are required at intervals of seven days and are to be recorded on Page 10 or 11 of the International Certificate.

Age of Person Vaccinated

80. One year and over.

Yellow Fever (When Circumstances Demand)

81. Immunisation against yellow fever can only be given at authorised centres by the Government Medical Officer, Department of Health of the State concerned, and by appointment only. As much notice as possible must be given this officer, who endeavours to vaccinate in groups of ten if practicable. Stocks of yellow fever vaccine are not maintained in the RAN nor is the vaccine made in Australia.

Precautions With Regard to Simultaneous Use of Other Immunising Agents

82. a. Similar precautions as for smallpox (Paragraphs 31-34 apply).
- b. Vaccination against diseases other than smallpox may be given at the same time but in the other arm.

Certificates

83. Yellow fever certificates are valid:
- a. only if the vaccine and the method employed have been approved by the World Health Organisation;
- b. from ten days after the date of the vaccination (twelve days if proceeding to Pakistan) except in the case of persons re-vaccinated within the period of validity of their previous International Certificate entry.

International Requirement

84. All Naval personnel and Naval civilian employees and the wives and families of both require an International Certificate of Vaccination against yellow fever before leaving Australia, when:

- a. proceeding to West or East Africa by air;
- b. proceeding to West or East Africa by sea, or in ships calling at any ports in these countries;
- c. proceeding to or through the South American yellow fever endemic area by whatever route;
- d. proceeding for service afloat on the South Atlantic Station;

- e. proceeding through Pakistan if unvaccinated subject has been in a yellow fever endemic zone within twelve days prior to arrival in Pakistan;
- f. proceeding for service on the Arabian Seas and Persian Gulf Station (including those destined for shore establishments).

85. The exact limits of the yellow fever endemic areas in Africa and South America have been defined by the World Health Organisation and this information can be obtained from the Medical Director-General or from the authorities named in Paragraph 81.

Age of Person Vaccinated

86. No lower limit to the age of persons immunised, however:

- a. no child under two months of age will be vaccinated against yellow fever except in circumstances of great urgency where the actual risk of incurring yellow fever is considered to be greater than that of incurring encephalitis, when considered in relation to both the likelihood of occurrence and the seriousness of the disease;
- b. vaccination of children aged two to six months will be avoided as far as possible;
- c. while it is to be preferred that children between six and nine months of age should not be vaccinated against yellow fever, such vaccination may be carried out without serious risk if delay would impose hardship or grave inconvenience;
- d. when infants under the age of nine months are to be vaccinated against both yellow fever and smallpox, there should be an interval of twenty-one days between the two vaccinations, no matter which is performed first. Under no circumstance is the interval to be shortened.
- e. *Pregnancy.* Risks to the foetus from maternal viraemia consequent upon yellow fever vaccinations are now thought to parallel those due to such naturally occurring viraemias as rubella. Yellow fever vaccination of pregnant women is therefore regarded as most inadvisable and is only to be performed where urgent reasons exist and after the calculated risk involved has been explained to the women. Normally travel for such cases should be arranged by a route for which yellow fever vaccination is not an international requirement. Should a pregnant woman wish to take up residence in a yellow fever endemic area, these risks should be brought to her attention.

General

87. All instructions apply equally to:

- a. all members of the RAN;
- b. all members of the CNF and RANER entering for continuous full time service either voluntarily or on call up;
- c. any civilians, Army and Air Force personnel under RAN control.

88. It is of the utmost importance that the foregoing measures be strictly complied with to ensure that no personnel proceed outside Australia without adequate protection against the infections referred to in this order. It is equally important that the immunisations required within Australia, smallpox, typhoid, tetanus, poliomyelitis, diphtheria and tuberculosis, should be maintained 'in date'. Ships and establishments are to carry out a half yearly survey and report in the Medical Officers Journal the numbers not yet fully immunised and the reasons therefor.

89. With the exception of yellow fever vaccine (*see* Paragraph 81) supplies of vaccines should be obtained from the Australian Military Forces in the usual way, ordering by the Commonwealth Serum Laboratory Catalogue. Quantities and sizes of containers ordered must be chosen to effect maximum economy and minimum wastage.

90. Navy Order 282/71 is hereby cancelled.

(327/54/87)

(Navy Order 282/71)

Section 3

OPERATIONAL AND TRAINING

RESTRICTED

262/74—Anti-submarine Aircraft Controllers

1. In order that ASW aircraft may 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. Anti-submarine Aircraft Control qualifications are as follows:

a. ASAC 2

- (1) officers and sailors who successfully complete the ASAC 2 Course (No 903290) at HMAS WATSON;
- (2) officers who have obtained a helicopter control qualification in the United Kingdom or USA and who satisfactorily complete the ASAC Requalification Course;
- (3) rotary wing observers who successfully complete the ASAC training segment of the RAN Sea King OFT.

b. ASAC 1 (Qualification No 03180)

- (1) direction officers;
- (2) officers who complete the ASAC Requalification Course (No 903190) and who, because of their experience and ability, have been able to sit and pass the ASAC 1 test;
- (3) ASAC 2s, who have logged thirty hours simultaneous ASW helicopter and ASW fixed wing live aircraft control in an ASW environment and who pass the test for ASAC 1;
- (4) rotary wing observers who have logged thirty hours live aircraft control in an ASW environment and have passed the test for ASAC 1.

Test for ASAC 1

3. The test for ASAC 1 is to be conducted by a Direction Officer, SDPR ASAC 1 on the Fleet Staff, ND School Staff or an officer nominated by the Commanding Officer of 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 procedures 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 6b (1) and (2).

Control Rules

4. When a controller assumes control of an aircraft he is to advise that aircraft of the grade of the ASAC controller.

5. ASW aircraft operate under either Positive Control or Self Control.

6. On qualification ASACs are capable of the following:

a. *ASAC 2*

- (1) controlling three ASW aircraft, of which no more than two are to be helicopters, simultaneously under Visual Meteorological Conditions (VMC), except during close ASW action;
- (2) controlling two ASW aircraft simultaneously under Instrument Meteorological Conditions (IMC), except during close ASW action;
- (3) controlling two aircraft simultaneously for gunnery exercises, SAR operations, equipment checks and helicopter transfers.

b. *ASAC 1*

- (1) controlling four ASW aircraft, of which no more than three are to be helicopters, simultaneously under all conditions;
- (2) supervising and instructing ASACs.

7. For the purposes of this order, the following definitions apply:

Control 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.

Surveillance Track an aircraft on radar and provide sufficient information for the aircraft captain to safely fulfil his mission.

Positive Control An aircraft is under positive control when it receives mandatory orders which affect its movements. This immediately transfers the prime responsibility for the safe movement and navigation of the aircraft from its captain to the person issuing such orders.

Self Control 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.

Close ASW Action Close ASW action is an action between one or more ships, ASW aircraft and a submarine in which ships attempt to remain within 3,000 yards of the submarine (ATP1 (A) Article 1120 refers).

Complements

8. Schemes of Complement will have the following ASAC billets noted in the remarks column alongside RP sailors borne:

6 ASAC 2	HMAS MELBOURNE
	HMA ships HOBART, PERTH, BRISBANE, VAMPIRE, VENDETTA, DUCHESS, PARRA-MATTA, YARRA, STUART, DERWENT, SWAN,
1 ASAC 1, 2 ASAC 2	TORRENS
1 ASAC 1	Fleet Training Group
2 ASAC 1, 5 ASAC 2	HMAS WATSON

9. Posting instructions for HMA ships STALWART and MORESBY will show that one ASAC 2 is to be borne when aircraft are embarked.

Training

10. Course No 903290 is conducted by HMAS WATSON and includes a period at sea for live control training. 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 either the standard achieved, or lack of training available, and therefore initiate possible remedial action. Recommended volunteers from LSRPs and ABRPs qualified for LSRP are to be reported to Navy Office on Form PE137. Sailors will not be posted to course until they are promoted to Leading Seaman.

Continuation Training

11. 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, the Flag Officer Commanding HM Australian Fleet will ascertain from ships each quarter, the names of air controllers borne and the numbers of hours control carried out during the quarter.

Requalification Course

12. HMAS WATSON 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 required to undergo Course No 903190 of five days at HMAS WATSON, dates of which will be included in the Sailors Course Programme Navy Order. On advice from HMAS WATSON, Navy Office will take the necessary action to lend officers and sailors for the course. Controllers who fail the qualification course will lose their ASAC qualification. The course is restricted to a maximum of four students.

Conversion Training for Helicopter Controllers and USN ASACs

13. Officers and sailors qualified HC2 or HC1 or USN ASAC will be lent HMAS WATSON for Course No 901481 for conversion to ASAC 2.

Reporting Results

14. HMAS WATSON is responsible for reporting results of courses, HMAS WATSON, the Commanding Officer of the ASW helicopter squadron or FOCAF for reporting upgrading to ASAC 1. Forms PE5 are to be used.

Section 4

EQUIPMENT, STORES AND SERVICING

RESTRICTED

263/74—NBCD—NBC Personal Protection—Decontamination Kits
Personal No 1 Mk 1 and No 2 Mk 1—Introduction Into Service

1. Fullers Earth is an absorbent substance suitable for the removal of any known Chemical Warfare Agents from the skin or from personal equipment. Two means of applying Fullers Earth will be supplied as follows:

Decontamination Kit Personal (DKP) No 1 Mk 1

- a. The primary use of the DKP No 1 is for personal cleansing with a secondary use on items of equipment with which the individual will come into contact.
- b. *Description*—The DKP No 1 is in the form of a paper wallet containing four double-sided pads filled with Fullers Earth, each in a waterproof sachet. The wallet has instructions printed on it and is sealed in a polythene envelope.
- c. *Use*—The DKP No 1 is a simple means of removing liquid CW contamination from the skin. It has limited use on other surfaces. The instructions printed on the wallet are:

- (1) Tear off edge of one sachet and take out pad.
- (2) Hold pad by inserting three or four fingers through the centre.
- (3) Rapidly blot area with pad, then bang the pad on the suspect surface for about thirty seconds so as to cover the area liberally with powder. Follow this by rubbing with the pad to spread the powder over the whole area, especially into folds and creases on the skin, for example behind the ears and between the fingers.

BLOT—BANG—RUB.

- (4) Apply a similar procedure to boots, weapons and equipment using further pads where necessary.
- (5) Ordinary gloves should be discarded before starting decontamination. Re-decontaminate the hands repeatedly during personal decontamination, and as the last action always decontaminate the hands.
- (6) Always be alert to the development of symptoms even after decontamination.

Decontamination Kit Personal (DKP) No 2

- a. The DKP No 2 is supplied to provide a means of applying Fullers Earth more liberally than is possible with the DKP No 1, especially to surfaces for which the DKP No 1 is not suitable.
- b. *Description*—The DKP No 2 is a flat polythene bottle containing approximately 4 oz of Fullers Earth with a nozzle closed by a cap. On issue the bottle is sealed in a polythene envelope to protect against moisture.

- c. *Use*—The DKP No 2 is used by squeezing the bottle and squirting the powder out of the nozzle. It should be used on such items as:
 - (1) socks, boots, clothing and equipment including the facepiece of the Protective Field Mask; and
 - (2) equipment too large for decontamination with the DKP No 1, or for which other decontaminants such as bleach are unsuitable.

2. At present, training is to be limited to demonstrations and familiarisation during NBCD Courses and to use by the Fleet Training Group.

3. These items will be held in store and only issued to ships if the need arises. NBCD Schools at PENGUIN, CERBERUS and LEEUWIN plus the Fleet Training Group may demand stocks for demonstration purposes through SVSO, Sydney. The scale of issue to ships will be one per man plus fifty per cent spares for the DKP No 1. The scale of issue of the DKP No 2 will be promulgated at a later date.

4. When issued the kits should be stored in bulk, together with other NBCD stores, until required for use. These kits are consumable.

5. The items are identified as follows:

- a. 6545-99-960-8415 DECONTAMINATION KIT PERSONAL NO. 1.
- b. 6545-99-TSN-9500 DECONTAMINATION KIT PERSONAL NO 2.

These items have a shelf life of five years.

6. ABR 4 will be amended in due course.

(901/52/56)

AMENDMENTS

UNCLASSIFIED

264/74—Dental Expenses of Dependents Accompanying Members on Long Term Duty Overseas

Annex B to Navy Order 350/73 is to be amended as follows:

Delete rates shown for New Zealand and insert in lieu:

New Zealand: \$NZ 18.00 9.00 15.11.73

Insert the following:

Papua New Guinea: \$A 32.00 16.00 1.12.73

(Navy Order 350/73)

(156/51/147)

UNCLASSIFIED

265/74—HMA Ships (Excluding Submarines and HMAS SUPPLY)—Marking of Pipes and Gear Rods

Navy Order 52/74 is to be amended as follows:

Annex A—'ARROWS':

delete '7690 66-014-0503'

insert '9905 66-048-0503'.

(Navy Order 52/74)

(N1211/51/943)

UNCLASSIFIED

266/74—Safety Helmets for Use by Underway Replenishment Crews in the RAN

Annex A of Navy Order 81/74, Allowances of Safety Helmets, is to be removed and replaced with the Annex A attached to this order.

ANNEX A

Ship	White	Yellow	Green	Red	Blue	Orange	Black/ Purple	Grey	Beige/ Brown	White with Red Cross
MELBOURNE	6	4	4	3	*	6	9	6	5	2
SUPPLY	6	4	4	3	*	6	12	6	16	2
STALWART	6	4	4	3	*	6	3	6	5	2
DDG	4	3	3	2	45	6	6	6	1	1
DD	4	3	3	2	30	4	6	4	1	1
DE	4	3	3	2	30	4	6	4	1	1
MCMV	1	1	1	1	6	1	1	—	1	1
LCH	1	1	1	1	5	1	1	—	1	1
MORESBY†	2	2	2	1	15	2	3	2	2	1
DIAMANTINA†	2	2	2	1	15	2	3	2	1	1
FLINDERS†	2	1	1	1	15	2	3	2	1	1
PTF	1	—	—	1	3	—	—	—	—	—

+20%
spares

Nil
spares

Notes: * It is not necessary to supply line handling parties in these ships with safety helmets as all points are either in the open or well protected from 'falling objects'.

† Issues to Oceanographic and Survey ships will be made on an 'as required' basis for specific cruises, and are to be returned to SVSO, Sydney, after use.

(N452/1/2)

(Navy Order 81/74)

RESTRICTED
RESTRICTED

RESTRICTED
RESTRICTED

DALS

ANOs 267/74-283/74



AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
2 October 1974.

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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278/74	Introduction of New Type Aural Protector, Sound Muff EMUF-51.
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283/74	Naval Stores (General)—Classes 6840 and 3740—Hygiene Measures—Insecticides and Insecticide Applicators.

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

267/74—Australian Defence Representation Overseas

1. Annex 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. Annex 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 Order 14/73 is hereby cancelled.

ANNEX A

Australian Services Attaches and Advisers Overseas—January 1974

- Burma Lieutenant-Colonel D. N. Kerr, Defence Attache, Australian Embassy, 88 Strand Road, RANGOON, BURMA.
- Cambodia (Khmer Republic) Colonel P. D. D'Arcy, 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 Group Captain J. H. Blackwell, Naval and Air 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, Sudaee Moon-koo, SEOUL, KOREA.

ANNEX 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	Group Captain R. S. Royston, 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 F. P. Scott, DSO, Defence Attache, Australian Embassy, National Bank Building, ISLAMABAD, PAKISTAN.
Philippines	Colonel P. J. Day, 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	Group Captain B. J. Connaughton, Naval and Air Attache, Australian Embassy, Caravelle Building (7th Floor), Place Lam Son, SAIGON, VIETNAM.
United Kingdom	Captain D. W. Leach, CBE, MVO, RAN, Australian Naval Representative, United Kingdom, 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.

ANNEX B

Australian Military Advisers Representative (ASMAR), Captain N. A. Boase, RAN.
 Australian Military Advisers Representative (ASMAR), SEATO Headquarters,
 BANGKOK, THAILAND.

(22/1/127)

(Navy Order 14/73)

UNCLASSIFIED

268/74—Commissioning—HMAS ARROW

The following commissioning has been effected:

HMAS ARROW—30 July 1974.

(1211/51/872)

Section 2

PERSONNEL

UNCLASSIFIED

269/74—Dental Treatment Arrangements for Personnel Posted to HMA Ships ENCOUNTER and HUON and to the Queensland Command Including Patrol Boats and Landing Craft Heavy

1. In order that dental treatment by private practitioners for personnel posted to the above-mentioned ships and establishments is kept to a minimum, the following arrangements are to be made.

2. On receipt of posting advice, ships and establishments are to refer personnel to the nearest Naval dental department for examination including necessary X-rays, to ensure that all members are dentally fit prior to posting.

3. Subsequently, most dental treatment for personnel borne in HMAS MORETON and the LCHs will be undertaken by a Naval dental team, visiting the area for approximately three weeks each six months. This team normally will be lent from the East Australia Area and will work in the Army dental centre at Victoria Barracks, Brisbane.

4. As convenient, the visiting dental officer will travel on to Cairns to undertake dental examination of all personnel there, including patrol boat crews. Dental treatment found necessary as a result of this examination is to be referred to the local contract dentist for completion.

5. In between visits by the dental team to the Queensland Command and also for personnel borne in HMA ships ENCOUNTER and HUON, emergency and other dental treatments found necessary from time to time are to be undertaken in accordance with the provisions of Navy Order 222/74—Fees payable for Medical, Dental and Paramedical Services rendered by private practitioners.

(327/53/263)

(Navy Order 222/74)

UNCLASSIFIED

270/74—Establishment of Personal Services Office, Canberra City

1. A Personal Services Office has been established in Canberra City to improve services to members of the RAN and their families in the Canberra and Queanbeyan areas. The functions and policy considerations of the Canberra PSO will generally be similar to those of the Command Personal Services Office recently introduced in Sydney.

Location and Administration

2. The Personal Services Office is located at Suite 24, 35 East Row, Canberra City—telephone 47 6611. The Officer-in-Charge of the Personal Services Office (PSO) is responsible to the Commanding Officer, HMAS HARMAN, and staff of the PSO will be posted HARMAN for PSO. The Officer-in-Charge is authorised to liaise directly with the Director of Personal Services (Administration), Navy Office, on urgent welfare matters and with the Naval Personnel Branch, Navy Office, on matters within his jurisdiction peculiar to the Canberra area.

Role of the Personal Services Office

3. The role of the PSO is to provide assistance, advice and support where necessary in matters of housing, entitlements, general social services to members and their families, and arranging for advice to be given on education, resettlement and legal matters.

4. It is not intended that this organisation should be a substitute for the Divisional System, nor that it should interfere with existing administrative procedures in ships and establishments. The PSO supplements existing services and is an extension of the Divisional System, hence, it is important that Divisional Officers of members wishing to use the services of the PSO maintain a liaison with the organisation. Similarly, officers seeking advice or assistance from the PSO should keep their Head of Department or Commanding Officer informed.

5. In all cases of stress or hardship the staff of PSO will direct their efforts towards assisting families in averting crises and saving unnecessary distress at home. Particular attention will be given to difficulties experienced by families during a members absence at sea. It is important that personnel in need of advice or assistance seek help without delay and that their families be informed of the method of contacting the PSO.

Services Available to Members and Families

6. A summary of the services available to members and their families through the PSO is given below:

- a. Social work in accordance with current regulations.
- b. Administration of Family Services (Housekeeper) Scheme for the local area.
- c. Reception and departure of members and their families, if required.
- d. Liaison with the Canberra RAN Wives Association.
- e. Provision of information on communal facilities and services.
- f. Arranging temporary accommodation for all personnel and Department of the Capital Territory Housing for Navy Office and Department of Defence personnel.
- g. Arranging for advice to be given on education, resettlement and legal matters.
- h. Advice in regard to members entitlements.
- i. Advice in relation to removals and assistance in preparation of inventories for Navy Office and Department of Defence Personnel.

Removals—Settling in Arrangements

7. Applications for removal to Canberra are to include any special requirements the member may have during the period of settling in. In addition to the existing removal procedures members may also request any or all of the following:

- a. Reception of family.
- b. Assistance with emergency household items.
- c. Additional transport to that approved, ie, at members own expense.

8. In cases where full details of the additional services required are not known at the time of the initial removal application, a signal is to be sent in the format shown at Annex B.

Entitlements

9. The senior writer sailor on the PSO staff will keep up to date in the policy and interpretation of entitlements and will maintain a direct liaison with the Naval Personnel Branch at Navy Office.

Resettlement and Education

10. Appointments will be made with the appropriate officers for those members desiring counselling on resettlement or education matters.

Legal Advice

11. A legal advisory service is available by appointment through the PSO. Members seeking such advice need not reveal the nature of their problem beforehand.

Organisation and Functions

12. The organisation and basic functions of the Personal Services Office are shown in Annex A.

13. Copies of this order will be available for display on notice boards.

14. Navy Order 406/72 is hereby cancelled.

ANNEX A

Organisation and Functions

The Personal Services Office comprises three sections. Each section is responsible for specific functions but there are some areas where sections are interdependent. The basic organisation, together with a brief description of the functions of each section of PSO is shown below.

Section 1

Social Work

- a. Assistance with requests for compassionate leave, free discharge, LWOP and special postings or leave.
- b. Counselling in matters of a domestic nature, including marriage guidance.
- c. Individual counselling on any matter where a member, his wife or family have made a direct approach.
- d. Administration of the Family Services Scheme and, where necessary, assistance in obtaining emergency housekeepers.
- e. Development of a RAN controlled housekeeper service.

Section 2

Family Services

- a. Reception and initial support of members/families arriving from overseas and interstate (if required).
- b. Liaison with the Canberra RAN Wives Association.
- c. Provision of support for wives of members at sea. (This is to include organising social activities in conjunction with the RAN Wives Association.)
- d. Provision of detailed information on communal facilities in the Canberra and Queanbeyan areas.
- e. Arranging transport for families to transport terminal on departure, if required.

Section 3

1. Housing and Removals

- a. Arranging, in liaison with the Department of the Capital Territory, housing for Navy Office and Department of Defence personnel.
- b. Arranging temporary accommodation—hotel, motel or government hostel—for members awaiting permanent accommodation.

ANNEX A—continued

- c. Liaison with appropriate authorities concerning maintenance of Department of the Capital Territory houses when members are at sea.
 - d. Provision of up to date information and advice concerning purchase of homes, including War Service Homes.
 - e. Advice in relation to removals and assistance in preparation of inventories for Navy Office and Department of Defence personnel.
 - f. Establishment of lawnmowing and other contracts with a view to discounted household maintenance and repair services being available, particularly when the member is at sea.
 - g. Administer Department of the Capital Territory housing and furnish returns in accordance with ABR 5076.
2. *Advisory Services*
- a. Provision of advice concerning:
 - (1) Members personal entitlements.
 - (2) Naval Health Benefits.
 - (3) RAN Relief Trust Fund matters.
 - b. Arranging for advice to be given on resettlement matters.
 - c. Arranging for advice to be given on education matters.
 - d. Arranging for advice to be given on legal matters.
 - e. Provision of up to date information of a general nature, including discount houses and businesses and complimentary and discounted tickets to entertainment.

ANNEX B

Settling in Arrangements—Signal Format

Ships and establishments requesting the additional services for members, listed in Paragraph 7 of this order, are to signal details in the following format at least seven days before arrival of the members family in Canberra.

FROM:

TO: HARMAN

UNCLASSIFIED Reference (authority for removal)

Navy Order 270/74

- A. Name of member.
- B. Whether reception of family required.
- C. If answer to B is YES—details of travel arrangements, family and amount of accompanied baggage.
- D. Details of additional transport required at members own expense.
- E. Details of temporary accommodation required (ie, hotel, motel, or government hostel).
- F. Any other requirements on arrival.

(302/2/170)

(Navy Order 406/72)

UNCLASSIFIED

271/74—Evening Dress for Warrant Officers and Chief Petty Officers

1. Warrant Officers and Chief Petty Officers are to wear miniature medals on the following occasions when the wear of mess jackets is approved under the terms of ABR 81 Article 0303:

- a. official or public balls, dinners and evening receptions of a formal nature;
- b. dinner when officers of Flag Rank or Army or Air Force officers of corresponding rank (wearing uniform) are guests; and
- c. evening dances and entertainments.

2. Miniature medal ribbons will continue to be worn for evening dress functions, other than those above, in RAN ships and establishments and may continue to be worn on all occasions until 31 December 1974.

3. The wear of mess jackets remains optional. The alternative evening dress is No 1 Dress with black bow tie or No 6 Dress as appropriate, in each case with full size medal ribbons.

4. ABR 81 (RAN Uniforms Instructions) will be amended.

(307/5/2)

UNCLASSIFIED

272/74—Members Serving Overseas—Child Education Allowance

1. With effect from 1 January 1974, the Category 'A' rate of Child Education Allowance has been increased to \$1,900 per academic year and the Category 'B' rate of Child Education Allowance has been increased to \$810 per academic year.

2. Eligible members should claim adjustments from Navy Office. Claims should be accompanied by evidence of expenditure.

3. NPI 1762.3 should be noted pending amendment.

4. Navy Order 138/74 is hereby cancelled.

(252/10/9)

(Navy Order 138/74)

UNCLASSIFIED

273/74—Qualifying Service for Increments in Pay

1. The approval contained in NPI Article 0104.4 (a) for SD officers to count service in respect of which Higher Duties Allowance was paid, for incremental purposes as service in the higher rank has been reconsidered and it has been decided that this provision should no longer apply. The current policy is that periods when Higher Duties Allowance is paid to members of the Forces should not count for incremental advancement. In the case of SD officers, whilst these officers remained on the common pay rate from 26 June 1964, a separate pay scale was again introduced from 17 December 1971 and their position is now no different to other officers.

2. The new provisions will apply to SD officers promoted after the date of this order.

3. NPI Article 0104.4 (a) should be noted by deleting the final sentence pending amendment.

(N357/3/17)

UNCLASSIFIED

274/74—SAILSTRUC 70—The RAN Medical Branch

1. The Naval Board have approved the following recommendations made in the SAILSTRUC Report regarding the Medical Category with effect from 1 January 1974.

Titles for Medical Category

2. Titles for Medical Category sailors and Wrans effective from 1 January 1974 are:

<i>Sailors</i>			
<i>New Title</i>		<i>Abbreviation</i>	
SEAMAN MEDICAL .. ..	..	SMNMED	
ABLE SEAMAN MEDICAL .. ..	..	ABMED	
LEADING SEAMAN MEDICAL .. ..	..	LSMED	
PETTY OFFICER MEDICAL .. ..	..	POMED	
CHIEF PETTY OFFICER MEDICAL .. ..	..	CPOMED	
WARRANT OFFICER MEDICAL .. ..	..	WOMED	
<i>Wrans</i>			
RECRUIT WRAN MEDICAL .. ..	..	RWRMED	
WRAN MEDICAL .. ..	..	WRMED	
SENIOR WRAN MEDICAL .. ..	..	SWRMED	
LEADING WRAN MEDICAL .. ..	..	LWRMED	
PETTY OFFICER WRAN MEDICAL .. ..	..	POWRMED	
CHIEF WRAN MEDICAL .. ..	..	CWRMED	
WARRANT OFFICER WRAN MEDICAL .. ..	..	WOWRMED	

Initial Entry of Medical Category Personnel

3. All Medical sailors are allocated initially to the Medical Category and will undergo the Medical Category Course. Those entered after 1 January 1974 will be termed SAILSTRUC sailors and will be allocated the SAILSTRUC personal number prefix 'S'. Sailors entered prior to 1 January 1974 will be termed RATSTRUC sailors and will retain their present personal number prefix.

4. From 1 January 1974 all Wrans of the Medical Category will be entered as Recruit Wrans Medical and will conform to the SAILSTRUC promotion structure for Wrans. They will be allocated the personal number prefix 'W'.

5. Wrans entered prior to 1 January 1974 will be promoted to the Able Rank (the new equivalent being the Senior Wran rank) in accordance with the regulations pertaining prior to that date. From thereon, they will conform to the SAILSTRUC promotion structure for Wrans.

6. RATSTRUC entered sailors and Wrans will not be disadvantaged by the introduction of the SAILSTRUC system of category training and promotion.

Posting on Completion of Category Course

7. On completion of the Medical Category Course, all sailors and Wrans will be posted to either RAN Hospitals 'CERBERUS' or 'PENGUIN', or Service Wings in RGH Heidelberg or RGH Concord, for a minimum period of three months in order to consolidate their classroom knowledge and gain confidence and professional experience under supervision in a hospital environment before they are posted to other ships and establishments.

Task Book

8. A Task Book of practical procedures is being formulated. This book will show a record of all the procedures demonstrated and practised during the Medical Training Course and during post-training employment. It will be a useful aid for personnel seeking civil employment.

Specialist Qualifications

9. Selection for specialist training will be made after a period of twelve months following successful completion of category training.

10. Specialist training courses are as follows (Wrans may be selected for those courses marked with an asterisk):

<i>Specialist Qualification</i>	<i>Suffix Letter</i>
*X-Ray Assistant	X
*Operating Room Assistant	O
Hygiene Inspector	H
*Laboratory Assistant	L
*Dispenser	D
Aviation Medicine	A
Underwater Medicine	U
*Advanced Nursing	N
Masseur	M

11. Specialist qualification will be denoted by a suffix letter after the rank/category title; eg, Able Seaman or Senior Wran Medical X-Ray Assistant—ABMEDX or SWRMEDX.

Promotion

12. There is only one skill level within the Medical Category. Promotion to higher rank within the Medical Category is not limited to personnel with Specialist Qualifications. Promotion regulations will be promulgated in ABR 10 in due course.

Acquaint Courses

13. Medical Category personnel of Leading Rank and above will be given an Acquaint Course, when deemed necessary, before taking up specific postings; eg:

- a lone or isolated billet;
- a charge billet.

It is not anticipated that a member should attend more than one Acquaint Course during his service.

Badges

14. a. A new category badge for the Medical Category has been approved. The new badge will have the caduceus wand and serpents design as the motif. This badge will be awarded to sailors on categorisation and to Wrans on completion of medical category course.
- b. Medical Category personnel who qualify in one of the Specialist qualifications will wear the appropriate letter of the Specialist qualification below the motif.
- c. Petty Officers and above will wear a crown above the category badge.
- d. Medical Category Sailors and Wrans with one year or more to serve when the new badges become available, will receive a gratuitous issue of the new category badge.

- e. Sailors and Wrens with less than one year to serve will be issued new badges gratuitously on re-engagement. Otherwise, existing badges will be worn or may be replaced by new badges at the member's own expense.
- f. Availability of badges will be notified in due course.

(302/1/123)

Section 3

OPERATIONAL AND TRAINING

UNCLASSIFIED

275/74—Advanced Welding Course 913660

1. Advanced Welding Courses are conducted at HMAS NIRIMBA for RATSTRUC trained MTP and MTH Tradesmen of the Marine Engineering Branch who fulfil the requirements of Paragraph 3 of this order.

2. The object of these courses is to train selected sailors in modern welding techniques to improve their standard of performance to a level when they will be qualified to carry out hull and in situ pressure welding repairs in DDG Class ships or as required.

3. Candidates must fulfil all of the following requirements to be eligible for selection to undergo the course:

- a. have successfully completed the basic welding training given during the Apprentice and Mechanician training at HMAS NIRIMBA—Direct Entry Tradesmen must have successfully completed this training during their civilian apprenticeship;
- b. be a recommended volunteer of the MTH or MTP category;
- c. have carried out welding tasks in a ship or establishment and have shown above average ability;
- d. have held the rank of Petty Officer for at least three (3) years and, as a general rule, gained all Technical Category requirements for promotion to CPOMT 3;
- e. possess a temperament not easily disturbed; and
- f. possess a highly developed sense of responsibility.

4. Names of recommended volunteers who satisfy the requirements in Paragraph 3, are to be forwarded to Department of Defence (Navy Office) where they will be noted and rostered for courses.

5. Each course will be of twelve weeks duration, the initial two weeks being used to assess the candidates ability to continue with the more advanced methods. Names of candidates who do not reach the standard at the end of this period will be advised to Department of Defence (Navy Office) for posting from course.

6. Candidates successful in the Plate and Pressure Pipe sections of the course are to be reported on Form PE5—'Course Results'—quoting EDP number 913660. Candidates successful in the Plate section only are to be similarly reported quoting EDP number 953660. Results of routine requalifications details of which are at Paragraph 8, are to be reported, quoting EDP numbers 53220 for Plate and Pressure Pipe and 53230 for Plate only. Failure at this requalification is to be reported on Form PA6—Qualification Report.

7. Sailors qualified in Advanced Welding are to keep log books showing details of all welding operations undertaken between qualifying periods. This book is to be produced for the perusal of the examining authority.

8. Successful candidates will be required to requalify every six months, application for requalification being made direct to the Commanding Officer, HMAS NIRIMBA, at least one month before the test is required. Where a sailor cannot requalify due to ships movements, the circumstances are to be reported to the Department of Defence (Navy Office), copy to HMAS NIRIMBA. Commanding Officers will be informed of sailors due dates for re-qualification by EDP print-out, two months in advance.

9. The Advanced Welding Qualification will be accepted by the Department of Labour and Industry (DLI) of NSW as a pre-examination requisite for the issue of a 'Permit to Weld Boilers and Pressure Vessels'. Application forms for the DLI examination will be issued to each successful Advanced Welding Candidate. The examination will be conducted by a DLI inspector, normally in conjunction with the routine requalification in HMAS NIRIMBA.

(519/7/21)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

276/74—Cancellation of Outstanding Demands During NAVSTOK Pick-up of Machinery Spares

As an aid to the pick-up of machinery spares, all Reason Code 1 (Replenish) demands, for consumable machinery spares which, at the time of conversion of the Machinery Spares Depot to EDP, have been outstanding for over eight months will be cancelled unless SMSO holds specific dues in to meet specific demands.

(181/11/5)

UNCLASSIFIED

277/74—Introduction of Indicator—Voltage Frequency Polarity 6625-00-132-1196

1. For some years 0657-404-1329 NEON TESTERS have been used for quick voltage checks, testing of fuses, etc. This item is now to be replaced by the 6625-00-132-1196 INDICATOR—VOLTAGE, FREQUENCY AND POLARITY which is more versatile, and provides indication of voltage levels, polarity and frequency.

2. As from issue of this order, all 0657-404-1329 NEON TESTERS become obsolete. HMA ships and establishmentst are to demand the appropriate number of new indicators and surrender obsolete neon testers upon receipt of the new instruments.

(400/1/1871)

UNCLASSIFIED

278/74—Introduction of New Type Aural Protector, Sound Muff EMUF-51

1. The following item has been introduced into Service in the RAN to replace the existing V4-40025 AURAL PROTECTOR, SOUND MUFF, MARK 3 as listed in ABR 93, Manual of Victualling Stores, Part II, Section 5:

Class	Catalogue No	Description	UI	Acctg Classn
4240	66-063-8723	EAR MUFF, FOLDING, EMUF-51 C/W Carrying Case	SE	P

2. The new item, viz, 4240-66-063-8723 EAR MUFF will replace the V4-40025 AURAL PROTECTOR on an attrition basis. Supply will be effected on demand by SCSO, Sydney (Depot Code 0027).

3. Scale of allowance for the superseding item 4240-66-063-8723 will be the same as for V4-40025 as laid down in ABR 93, Part II, Section 5.

(327/251/1)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

279/74—Distribution of BR 320 Series—Ministry of Defence (Navy) UK Catalogue of Naval Stores

1. BR 320 consists of the following sections:

- BR 320A—General Instructions
- BR 320B—Costing and Pricing Instructions: Price Lists
- BR 320C—NATO Stock Number to RN Management Code
- BR 320D—Descriptive Catalogue of Naval Stores (one for each Class Group)
- BR 320E—List of Classified Naval, Air, SPDC, AMD and Weapon Control Stores
- BR 320F—List of Superseded and Re-referenced Naval Stores.

2. The approved distribution of BR 320A, D, E and F is detailed at Annex A.

3. Issues will not be effected to ships, establishments or authorities other than those listed.

4. BR 320B is not available for issue as MOD (UK) policy prohibits its release to Commonwealth or Foreign Governments.

5. A further Navy Order will be promulgated at a later date regarding distribution of BR 320C.

6. Approved holders should demand requirements to cover deficiencies in accordance with Navy Order 210/74.

7. Future supplies have been arranged on an automatic updating basis and will be issued without demand.

ANNEX A

Revised Distribution of BR 320 Series

Authority	BR 320A	General G/C Series 0100, 0200, 0300, 0400	BR 320D Electrical G/C Series 0500, 0600	Weapons G/C Series 0800	BR 320E	BR 320F Vol 1, 2 and 3
Central Administration						
DLS	2	Nil	2	Nil	2	2
DVGS	1	2	Nil	Nil	Nil	2
DAS	1	Nil	Nil	1	1	1
DSD	1	1	1	1	1	1
DEM(M)	1	1	1	1	1	1
DNEP	1	1	1	1	1	1
DSUA	2	Nil	Nil	Nil	Nil	Nil
DSUS	3	3	3	3	3	3
†DSUS—Codification Cell Sydney	1	1	1	1	1	1
Navy Office Library Annexe Campbell Park						
†NTS Annexe	1	1	1	1	1	1
DNI	1	Nil	Nil	Nil	Nil	1
NOCL	1	1	1	1	1	1
DESD	1	1	1	1	1	1
Administrative Authority—East Aust. Area						
RANRL	1	1	1	1	1	1
RANTME	1	Nil	Nil	1	Nil	1
GOSIEAA	2	2	2	1	1	1
HYDROGRAPHER	1	1	1	Nil	Nil	1

Authority	BR 320A	General G/C Series 0100, 0200, 0300, 0400	BR 320D Electrical G/C Series 0500, 0600	Weapons G/C Series 0800	BR 320E	BR 320F Vol 1, 2 and 3
Supply Division						
SGSO ..	3	3	Nil	Nil	1	3
SLSO ..	3	Nil	3	Nil	1	3
*SSA ..	2	2	2	2	2	2
SASO—Newington	1	Nil	Nil	1	Nil	1
Garden Island Dockyard	2	2	2	1	1	2
GENERAL MANAGER						
West Australia Area	1	Nil	Nil	1	Nil	1
RENAWED BYFORD						
Victoria						
Williamstown Dockyard						
GENERAL MANAGER	1	1	1	1	Nil	1
†NAVY STORE OFFICER	2	2	2	Nil	1	2
Maribyrnong						
RANAWED ..	1	Nil	Nil	1	Nil	1

* Includes one each of BR 320A, BR 320D General, Electrical and Weapons BR 320E and BR 320F required for use by Senior Inspector Stores, Sydney.

† Includes one each of BR 320A, BR 320D General and Electrical and BR 320F required for use by Inspector Stores, Port Melbourne.

‡ Located in Sydney.

(465/52/1707)

(Navy Order 210/74)

UNCLASSIFIED

280/74—Form PP136—Badges—Non-availability Advice

1. Form PP136—Advice of Non-availability of Badges has been introduced to enable members who are entitled to a gratuitous issue of badges to obtain the necessary badges from another ship or establishment if their own ship or establishment is unable to satisfy the requirement.

2. Under these circumstances Form PP136 is to be raised in duplicate noting the relevant authorising Form PA17—Badges and Medals on Form PA54—Personnel Title Variations and detailing the relevant badges and quantity thereof still to be issued. The form is to be signed by the Senior Victualling Stores Sailor and copy No 1 is to be handed to the member for presentation at the appropriate clothing store. Copy No 2 is to be retained by the originator.

3. After an issue has been made copy No 1 of Form PP136 is to be attached to copy No 2 of the relevant Form SA207.

4. Forms PP136 are available from SVSO, Sydney (Depot Code 0086).

5. These details will be incorporated in ABR 4 in due course.

(464/76/261)

Section 6

ESTABLISHMENTS

UNCLASSIFIED

281/74—Cockatoo Island Dockyard—Control and Management

1. Cockatoo Island Dockyard is a ship building and ship-repair facility, owned by the Australian Government, administered under the control and authority of the Minister for Defence, and operated by Vickers Cockatoo Dockyard Proprietary Limited, a subsidiary company of the Vickers group under a Lease and Trading Agreement with the Australian Government.

Lease Agreement

2. Cockatoo Island Dockyard was leased in 1933 for twenty-one years to the Cockatoo Docks and Engineering Co Pty Ltd (now Vickers Cockatoo Dockyard Proprietary Limited) in order that the facility could be kept in service and used for trading purposes. In 1954 the lease was extended for a further period to the end of 1974. A revised lease agreement was negotiated for a further twenty-one years commencing 1 January 1972. Under the terms of the lease agreement the company pays to the Australian Government an annual rental in accordance with Clause 1 of the Lease Agreement.

3. The necessity to preserve the use of the Dockyard for Naval Defence has been expressly safeguarded in the terms of the lease agreement specifying that:

- the lessee is not to do anything to impair the efficiency of the demised premises as a dockyard for naval purposes;
- the lessee is to give preference to naval work, when so required;
- the lessee is not to make to the demised premises any alterations which would be detrimental to the use of the premises for defence purposes; and
- in time of war, or threat of war, the Australian Government, for the efficient defence and protection of Australia, may take possession and control of the demised premises.

Trading Agreement

4. Financial arrangements concerning the terms and conditions under which Australian Government work is to be carried out, and the trading operations of the Company generally, are set out in the trading agreement between the Australian Government and Vickers Cockatoo Dockyard Proprietary Limited, which was revised in 1972. Australian Government work under the trading agreement is undertaken by the Company on the basis of cost of direct wages plus a percentage overhead fee as is determined by the Australian Government.

Cockatoo Island Lease Supervisory Committee

5. Membership of the Cockatoo Island Lease Supervisory Committee comprises:

- a. Chairman: General Overseer and Superintendent of Inspection East Australia Area.
- b. Members (3): Representative of Department of Housing and Construction, Chief Superintendent of Supply, Area Finance Officer.
- c. Member and Secretary: Area Finance Officer.

Responsibilities

6. The Committee is required:
- a. to oversight the operation of the Lease and Trading Agreement to ensure compliance with their requirements by the Lessee Company;
 - b. to devise appropriate procedures for the efficient operation of the Agreements including those relating to inspection of assets, assessment of maintenance requirements and budgeting for proposed Australian Government commitments arising;
 - c. to consider and report to the Naval Board on proposals of the Lessee Company affecting the operation of the Lease and Trading Agreements;
 - d. to maintain a register of Australian Government assets held by the Lessee Company and to undertake a triennial stocktake and reconciliation of such assets;
 - e. to report to the Naval Board on the management performance of the Lessee Company as necessary and as directed by the Naval Board;
 - f. to observe normal departmental procedures and processes in all matters (eg, Estimates, Authorisations and Receipts and Expenditure Accounting). All proposals for expenditure are to be referred to the Naval Board; and
 - g. to act on behalf of the Department of Defence (Navy Office) as directed by the Naval Board in any action necessary in accordance with, or to ensure compliance with, the terms of the Lease and Trading Agreements.

Correspondence

7. All correspondence in connection with the administrative functions of the committee is to be addressed:

The Chairman
Cockatoo Island Lease Supervisory Committee
c/o Office of the General Overseer and Superintendent of Inspection,
East Australia Area
GARDEN ISLAND, NSW 2000.

Telephones—359 9111 (Garden Island Exchange)
929 7722 (GOSIEAA Switchboard).

(1541/60/534)

AMENDMENTS**UNCLASSIFIED****282/74—Dental Expenses of Dependants Accompanying Members on Long Term Duty Overseas**

1. The conditions pertaining to assistance with excess dental costs for members of the Forces serving on long term duty have been varied.

2. Accordingly Navy Order 319/73 is to be amended by adding the following to Paragraph 2:

'2A. Dental Examination at Oversea Port

Where a member who is overseas on long term posting marries, or adds a child to his family (other than a child born of the member) and where the fare to Australia of the spouse or child would be accepted as a Government expense, arrangements may be made for the spouse or child to undergo a complete dental examination. The dentist is required to complete a certificate in the form of Annex C for retention by the Post. Such a spouse or child may then qualify for the benefits available. No reimbursement of excess costs will be made in respect of a dental condition shown in the certificate unless the Department of Health has signified that it would have accepted the condition for treatment overseas. The Department will reimburse the cost of the examination and certificate. A child born of a member during a posting qualifies for benefits from date of birth.'

(156/51/147)

(Navy Order 319/73)

UNCLASSIFIED**283/74—Naval Stores (General)—Classes 6840 and 3740—Hygiene Measures—Insecticides and Insecticide Applicators**

1. Navy Order 32/73, Annex B is to be amended by:

- a. deleting items 10 and 11, which are now obsolescent, and inserting the following new item 10 in lieu:

Item No	Class	Catalogue No	Description	Unit of Issue	Acc Class'n	Name in Report
10	3740	66-061-7786	SPRAYER, INSECTICIDE, skid mounted, engine driven, fog and mist type sprayer.	NO	P	Marino Mist Master (4)

- b. deleting the note at the foot of Annex B and inserting the new note in lieu:

Note: Item 10 may be supplied only to HMAS CERBERUS, TARANGAU, ALBATROSS, CRESWELL, NIRIMBA, COONAWARRA and demands should be submitted on Form SOI21 in accordance with RI Chapter 58.

(1/6840/5)

(Navy Order 32/73)

ANNEXURE

Annexure A

1. The Government of India has decided to...

2. The Government of India has decided to...

3. The Government of India has decided to...

(Annexure A)

SECRET

Annexure B

1. The Government of India has decided to...

10	100	100	100
10	100	100	100
10	100	100	100
10	100	100	100

2. The Government of India has decided to...

(Annexure B)

SECRET



DALS

ANOs 284/74-296/74



AUSTRALIAN NAVY ORDERS

284/74
285/74
286/74
287/74

SECTION 2—ADMINISTRATIVE AND GENERAL

SECTION 4—EQUIPMENT, STORES AND MATERIALS

288/74
289/74
290/74

Navy Office, Canberra,
8 October 1974.

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

By direction of the Naval Board,

291/74
292/74
293/74
294/74
295/74
296/74

AMENDMENTS

*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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<i>No</i>	<i>Title</i>
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284/74	Commissioning—HMAS DUCHESS.
285/74	Naval Combat Data Systems—Establishment of the Combat Data Systems Centre.
SECTION 2—PERSONNEL	
286/74	Abolition of Wran Writer Shorthand Typist Category.
287/74	SAILSTRUC 70—Introduction of the Record of Training and Employment.
SECTION 4—EQUIPMENT, STORES AND SERVICING	
288/74	General Stores (Class 7920)—Introduction of Nylon Scouring Pads for Galleys, Services and Messes.
289/74	General Stores (Class 7920)—Replacement Items—Mop, Wet, Cellulose, Sponge, and Replaceable Sponge.
290/74	Victualling Allowances and Fixed Issuing Prices for Provisions as from 1 July 1974.
SECTION 5—BOOKS, CORRESPONDENCE, FORMS AND STATIONERY	
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SECTION 7—CANCELLED LIST	
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AMENDMENTS	
293/74	Annual and Biennial Medical Examination of Officers.
294/74	Degreasing Agents—General Instructions and Precautions for Use.
295/74	HMA Shore Establishments—Supply and Maintenance of Miscellaneous Appliances and Equipment.
296/74	Payment of Oversea Allowances During Leave to Members Serving Overseas on Long Term Duty.

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

284/74—Commissioning—HMAS DUCHESS

The following commissioning has been effected:

HMAS DUCHESS—14 August 1974.

(1211/51/872)

UNCLASSIFIED

285/74—Naval Combat Data Systems—Establishment of the Combat Data Systems Centre

1. The first major RAN digital computer assisted Command and Control System will be fitted in the DDGs and the initial installation in HMAS PERTH will become operational by mid 1975.

2. The Naval Combat Data System (NCDS) Project is a directorate within the Naval Technical Services; however, it has responsibilities through the Naval Staff for the systems operational capabilities.

3. To support the operational, test and diagnostic computer programs the Combat Data Systems Centre (CDSC) has been established in Canberra. The CDSC, a component of the NCDS Project, is administered as part of the Department of Defence (Navy Office).

4. The CDSC contains compilation equipments and a full ship system. By the end of 1974 a maintainer training facility and the computer equipments of the Digital Tartar Fire Control System will be installed.

5. The prime function of the CDSC is to support and develop RAN operational computer programs and, from early 1975, training for operators and maintainers. In the longer term it is intended that the CDSC will provide computer program support for the Digital Tartar System.

6. Access to the CDSC, which is located at 84 Maryborough Street, Fyshwick, ACT 2609, can be arranged by telephoning (062) 95 3922.

7. Correspondence should be addressed to:

The NCDS Project Director,
Department of Defence (Navy Office),
CANBERRA, ACT 2600.

(N341/8/4)

Section 2

PERSONNEL

UNCLASSIFIED

286/74—Abolition of Wran Writer Shorthand Typist Category

1. The Naval Board have approved the abolition of the Wran Writer Shorthand Typist Category and the introduction of the Shorthand Typist qualification as a sub-specialisation of the Wran Writer Category from 1 January 1975.

2. From that date all LWRWTRST/SWRWTRST billets on current Schemes of Complement will become LWRWTR/SWRWTR billets. Where a billet requires a LWR/SWRWTR with shorthand ability, the requirement will be shown in the remarks column.

3. Members of the WRWTRST category still serving at 1 January 1975 will remain in that category under the same conditions of service (including promotion opportunities) as applied to them prior to 1 January 1975. They will continue to wear the ST category badge.

Recruiting Procedures

4. From November 1974, all applicants for the WRWTR category who have shorthand experience will be speed tested at Recruiting Offices, and the application forms of those with a shorthand ability of 80 wpm or more will be so noted.

Training

5. All WRWTRs, whether they have been noted as having shorthand ability or not will undergo WTR training. When a billet calling for shorthand skill becomes vacant, and there is no WRWTRST available, volunteers will be called for from those WRWTRs with shorthand skill. The selected Wran will be given refresher shorthand training to achieve a minimum speed of 100 wpm at a selected business college immediately prior to her posting.

Employment

6. A WRWTR with the shorthand skill will not usually remain in a billet requiring that skill for longer than the length of a normal posting.

Promotion

7. a. Promotion qualifications and selection for promotion for all WRWTRs, with or without shorthand skill, will be identical.
- b. Until all currently serving WR/SWRWTRSTs have been promoted to LWRWTRSTs they will be promoted to fill presently designated LWRWTRST vacancies ahead of SWRWTRs, providing they are fully qualified for such promotions.

(N519/7/23)

UNCLASSIFIED

287/74—SAILSTRUC 70—Introduction of the Record of Training and Employment

1. As a result of SAILSTRUC 70's recommendation, the Naval Board have approved the introduction of a new personal document to supplement the present Discharge Papers. The new document will be called the 'Record of Training and Employment'. To introduce and administer this Record, a section has been formed under the Director-General of Manpower and known as the Record of Training and Employment Office (short title RTEO).

Format

2. The Record of Training and Employment is contained in a vinyl covered four ring binder, 16 cm by 12.5 cm, and is divided into three (3) sections:

- Section 1* Personal details of the holder and the appropriate system of training;
- Section 2* A record incorporating certificates of all training successfully completed during service in the RAN; and
- Section 3* A record of employment which covers the total period of service in the RAN.

Section 1

3. This section contains:

- a. details of the training system applicable to the holder describing the skill grade structure for the Branch or Category concerned;
- b. authority for issue; and
- c. personal details of the holder.

4. The final page of this section is designed to assist with certificate identification.

Section 2

5. This section provides details of the training the holder has successfully completed during service in the RAN. Each training achievement is the subject of a certificate, authorised by the Chief of Naval Personnel. The face of each certificate provides the service information covering this training, the reverse shows the details of course duration, content and civilian relationship, where applicable. Below this is a statement of competence for use when the skills learnt are directly employed. A clear plastic envelope is provided for the protection of each certificate.

Section 3

6. During service a temporary record can be maintained by the holder and a set of clear plastic folders is provided for this purpose. The temporary record can be completed using the 'Duties' section of the Form PH14. The method of upkeep of this temporary record is as shown in Paragraph 25b.

7. On discharge, the holder of the Record will be provided with an official fully detailed employment history, together with his/her Discharge Certificate.

Issue

Initial Issue of Record

8. The Record will be compiled in the Department of Defence (Navy Office) by the RTEO.

9. For new entry personnel, the Record will be issued to the establishment responsible for the Branch/Category training for presentation to the successful candidate on completion of Grade 1 training.

10. The establishment responsible for that Branch/Category training will be required to furnish a photograph of each candidate on course when called for by RTEO. All photographs are to be identified by the candidates full name and official number. No record of training and employment will be issued without a photograph.

11. The record as presented to new entry personnel at this stage will contain the following documents, applicable to the type of entry:

- a. Section 1;
- b. Recruit/Initial Entry Training Certificate;
- c. Grade/Formal Training Certificate; and
- d. Temporary Employment Record folder.

On presentation of the Record to the candidate, the Divisional Officer is to ensure that the candidate signs and dates the Personal Details sheet, and all included certificates.

12. Should a training failure occur after an establishment has received the new entry Record, the establishment will return the complete Record of Training and Employment to the RTEO, Department of Defence (Navy Office), Canberra ACT 2600.

13. For SAILSTRUC personnel who have completed their Branch/Category training and who have been posted to complement billets, there will be an eventual requirement for an up-to-date photograph (5 cms by 5 cms), suitably identified, to be forwarded, to the RTEO. This will enable an initial issue of the Record to be made to these personnel. It is the responsibility of the Divisional Officer to ensure that upon receipt, the individual concerned signs and dates the Personal Details sheet and all Certificates, where applicable.

RATSTRUC Personnel

14. The Naval Board recognises the value of a Record of Training and Employment to those personnel trained under the RATSTRUC procedure. It is intended that Records will be compiled for RATSTRUC personnel and phased in as time permits, but it must be appreciated that the size of the task involved may preclude issue to some presently serving RATSTRUC personnel.

Issue of Additional Certificates

15. Certificates will be issued on the successful completion of further training. The current training reporting procedures will be used to obtain information required by the RTEO to prepare certificates. This information is to be provided to the RTEO by the Directorates concerned. Certificates will then be forwarded to the training establishment for presentation to the successful candidates on completion of training.

16. Where courses of four weeks duration or less are undertaken, certificates will be issued by RTEO on receipt of a PASSCOR signal. These certificates will be forwarded to the ship/establishment to which the successful candidates are posted.

Custody

17. To minimise the risk of loss or damage to the Record, the document is to be retained by the ship or establishment, and the custody and maintenance arrangements are to be formulated to best fit individual ship or establishment administrative procedures.

18. In view of the processes involved with the production of the Record, and the various signatures obtained during the holder's career, any replacement made on the loss of the original, whilst containing all the necessary information, will reduce the authenticity of this document.

19. In the event of loss a report is to be forwarded to Department of Defence (Navy Office), Canberra, detailing the circumstances surrounding such loss. The replacement copy, if and when issued, will have all contents sheets stamped 'RE-ISSUED ON LOSS OF ORIGINAL'.

Transfer Between Authorities

20. As the Record and its enclosures are important and valuable documents to both the Service and the individual, great care is to be taken of them at all times. When issued from the RTEO or on transfer between ships and/or establishments, they are to be treated as 'Staff-in-Confidence' documents and are to be accompanied by receipt notes.

Responsibilities

21. The following paragraphs of this order show briefly the responsibilities of the various authorities and individuals in regard to the control of the Record of Training and Employment.

RTEO

22. The RTEO will be responsible for:

- a. the initial issue of all Records of Training and Employment as at Paragraph 11;
- b. the issue of additional Certificates, as at Paragraphs 15 and 16;
- c. the final issue to personnel of their Discharge Certificate, Final Employment Record and Trade Proficiency Certificate and/or Trade Certificate, as appropriate. The issue of Trade Certificates and Discharge Certificates will be made in conjunction with ASNPs; and
- d. the accounting for all Records and Certificates issued to personnel. This will be done by numbering all documents in the RTEO and by the use of receipt notes.

Training Establishments

23. *Initial Issue.* In regard to initial issue of Records to new entry personnel, Training Establishments will be responsible for:

- a. supplying identified photographs of all personnel in accordance with Paragraph 10;
- b. completing receipt actions for all Records received;
- c. issuing Records to successful candidates;
- d. ensuring recipient signs and dates all relevant documents in accordance with Paragraph 13; and
- e. returning Records of training failures to the RTEO.

24. *Issue of Additional Certificates.* In regard to additional certificates for personnel who successfully complete additional training, the Training Establishments will be responsible for:

- a. completing receipt actions on certificates received;
- b. issuing certificates to the candidates on successful completion of formal training;
- c. ensuring recipient signs and dates certificates where applicable; and
- d. returning certificates for training failures.

Divisional Officers

25. The responsibility of Divisional Officers in ships and establishments will be:

- a. On receipt of the Record into the ship or establishment, he is to check its state, ensuring that signatures and dates are current and that the certificates contained agree with those shown in the current Form PH14.

b. On replacement of the Form PH14 from ASED, the individual concerned is to be given the superseded copy to permit the inclusion of the duties section into the plastic envelope in Section 3 of the Record.

Notes: 1. This will ensure that not only is this section kept up to date but that the individual signs and updates the Record at regular intervals.

2. Provision of this temporary record is in anticipation of the introduction of the improved format reporting of the Form PH14.

c. The issue of certificates to cover short course, ie, less than four weeks duration. Such certificates will be forwarded to the parent ship or establishment of the successful candidate. On receipt of the certificate the Divisional Officer is to ensure that such certificates are handled in accordance with Paragraph 24.

d. To ensure that the statement of competence as described in Paragraphs 26 and 27 is presented to the Head of Department for signature when due.

Statement of Competence

26. The statement of competence shown on the back of the relevant Phase Training Certificate is to be signed and dated by the holder's Head of Department, when he is satisfied that the sailor concerned is competent in his skill grade.

27. Statements of Competence are also provided on the back of Certificates issued for Equipment Application specialisation and ancillary courses as required. These are to be completed by the Head of Department when he is satisfied that the person concerned is considered competent in the relevant task.

(N7610/25/7)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

288/74—General Stores (Class 7920)—Introduction of Nylon Scouring Pads for Galleys, Services and Messes

1. The undermentioned item has been approved for general use in all galleys, services, messes, etc:

Class	Catalogue No	Description	Unit of Issue	Acctg Classn
7920	66-021-2760	NYLON SCOURING PADS (Fine)	Ea	C

2. This item is intended to replace the existing 7920-66-026-4926 PAD, SCOURING, COPPER ALLOY, 4 oz, and will be issued by the Superintending General Store Officer, Sydney, Code 0027, upon demand, when stock of the current item is exhausted.

(1/7920/3)

UNCLASSIFIED

289/74—General Stores (Class 7920)—Replacement Items—Mop, Wet, Cellulose, Sponge, and Replaceable Sponge

1. The undermentioned cleaning aids have been introduced into Service:

Class	Catalogue No	Description	Unit of Issue	Acctg Classn
a. 7920	66-068-9839	MOP, WET, CELLULOSE, SPONGE	EA	C
b. 7920	66-068-9840	SPONGE, CELLULOSE	EA	C

2. The above items are to be used with 7240-66-046-5836, BUCKET, PLASTIC, and will replace the following existing items which were introduced in Service vide Navy Order 44/72:

Class	Catalogue No	Description	Unit of Issue	Acctg Classn
a. 7920	66-046-5834	MOP, WET, CELLULOSE, SPONGE	EA	C
b. 7920	66-046-5835	SPONGE, CELLULOSE	EA	C

3. The new items will be issued by the Superintending General Store Officer, Sydney, Code 0027, upon demand, when stock of the current item is exhausted.

4. Navy Order 44/72 is cancelled.

(501/52/32)

(Navy Order 44/72)

UNCLASSIFIED

290/74—Victualling Allowances and Fixed Issuing Prices for Provisions as from 1 July 1974

1. The price list for fresh fruit and vegetables which has operated from 1 April 1974, has been amended from 1 July 1974.

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 1974:

	Ashore \$	Afloat \$
Messes of 50 or less victualled from a separate galley ..	1.14	1.17
All other messes of 300 or less messed separately ..	1.12	1.15
Messes of more than 300	1.10	1.13
Additional for ships and submarines deployed with ANZUK Force	—	0.04
Supplementary 'Broadside' messing allowance for HMAS ANZAC and DIAMANTINA	—	0.01
HMAS COONAWARRA	1.16	—
HMAS TARANGAU and small craft (messes of 50 or less) under the operational control of COMPNGFOR ..	1.18	—

	Ashore	Afloat
	\$	\$
Cadet Midshipmen at RANC ..	} 1.22	.
Junior Recruits at Training Establishments ..		
Apprentices at RANATE ..		
Naval Reserve Cadets attending Camps and Courses ..		

* The allowance of \$1.22 per day for Cadet Midshipmen, Junior Recruits, Apprentices and Naval Reserve Cadets, is increased to \$1.25 per day when victualled on board ships undergoing training and when messed separately.

4. Navy Order 192/74 is hereby cancelled.

(901/66/11)

(Navy Order 192/74)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

291/74—Form PD100—Summary Charge Sheet

1. Form PD100 has recently been revised and copies of the new form will be distributed shortly.

2. It now includes instructions for the accused to be given a copy of the Summary Charge Sheet before his trial. This is to ensure that the accused person is aware of the charges he will have to answer and the witnesses the prosecution intends to rely upon in support of the charge.

3. The following pen and ink amendments to ABR 5151 (Manual of Naval Law) are to be made. These charges will be incorporated in Change 6:

a. **Article 0671A.** Paragraph 2 (b) after last sentence *insert*:

'but if the Accused does not admit the truth of the contents of a document it is *not* evidence that can be used by either side to show the truth of its contents, subject to the qualifications in paragraph 2 (c) below.'

b. *Insert new Article 1111A.* CHARGE SHEET. Before the investigation the Accused is to be given a copy of form PD100 SUMMARY CHARGE SHEET to inform him of the offences with which he is charged and the witnesses for the Prosecution.

c. **Article 1126.** 'PROCEDURE'—*insert new sentence*—'The Accused is to be given a copy of the form PD100 SUMMARY CHARGE SHEET before his trial to inform him of the offences with which he is charged and the witnesses for the Prosecution. If the charges and prosecution witnesses are the same as those at the formal investigation this step is unnecessary.'

d. **Article 2261.**

(a) paragraph 2, *amend* sub-paragraph (c) to read:

'(c) details of Prosecution witnesses including those whose evidence the prosecutor intends, subject to the Accused's consent, to tender in writing. If the Prosecutor hopes to use a signal (eg to establish absence) the name of the ship originating the signal and its Date Time Group is to be inserted under 'Witnesses'.'

(b) *Insert new paragraph 3:*

'When form PD100 has been completed a copy is to be handed to the Accused (see Article 1126) and his attention drawn to the writing on the reverse side of the form. At this stage there cannot be any entry in the space provided for 'WRITTEN EVIDENCE ADMITTED BY THE ACCUSED'. The defence witnesses need not be listed before the trial.'

(c) Paragraph 6:

After '. . . ' he is acting' eighth line from foot of page *insert*, 'The Witnesses called by the defence should be listed on the form and details of documents that have been produced to the Accused at his trial and which he has admitted as being true statements of the propositions which they contain: see MNL 0671A. If the Accused has pleaded Not Guilty the names of any prosecution witnesses who did not appear and give evidence are to be removed from the list of witnesses.'

(d) Renumber existing paragraphs 3-13 as 4-14.

(465/6/71)

Section 7

CANCELLED LIST

UNCLASSIFIED

292/74—Cancellation of Navy Orders by ABR 2924

ABR 2924 'Radio Hazards in the RAN' has now been promulgated, and incorporates the subject matter of the following Navy Orders which are now cancelled:

283/73 Hazards to Fuel and Flammable Material from Electrical Discharge and Radio Transmitters

284/74 Radio Hazards—HF Radio Hazards to Personnel on Ships.

(700/51/380)

(Navy Orders 283/73 and 284/73)

AMENDMENTS

UNCLASSIFIED

293/74—Annual and Biennial Medical Examination of Officers

Navy Order 353/72 is to be amended as follows:

Paragraph 2a: After 'Aircrew' insert 'Air Traffic Control Officers,'

Paragraph 3a: After 'Aircrew' insert 'and Air Traffic Control Officers'.

(327/53/155)

(Navy Order 353/72)

UNCLASSIFIED

294/74—Degreasing Agents—General Instructions and Precautions for Use

Navy Order 206/74 is amended as follows:

Delete Paragraph 7 and insert new Paragraph 7:

'7. ABR 4 (RAN Storekeeping Manual) Appendix 23 Paragraph 31 (a) details the precautions to be taken when dealing with trichlorethylene.'

Delete Paragraph 9 and insert new Paragraph 9:

'9. Trichlorethylene for use in vapour degreasing baths should not be stored for more than one 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 year of the date of manufacture, as shown on the container, is to be tested in accordance with the procedure contained in BS 1133, Section 6 (1953), Clause 5C. Samples for test should be sent to the Dockyard Laboratory at Garden Island or Williamstown Dockyard. On receipt of advice that the solvent has passed test, the date of test is to be painted on the container, and the contents issued for use up to six months: any still not used by that time is to be re-tested, as above, and if passed for use, the date of the latest test endorsed on the container.'

(1/8010/12)

(Navy Order 206/74)

UNCLASSIFIED

295/74—HMA Shore Establishments—Supply and Maintenance of Miscellaneous Appliances and Equipment

Navy Order 71/74 is to be amended as follows:

Line 2, insert after 'radiators, etc':

'(which are not Machinery and Plant—see ABR 5016, Article 5633, Paragraph 5, and Appendix 58A.)'

(1/7310/18)

(Navy Order 71/74)

UNCLASSIFIED

1967-1974—Payment of Unemployment Allowance During Leave to Members Serving Overseas on Long Term Duty

Leave Order 1967-74 is to be amended as follows:

- a. Amend paragraph 1 and 2 and delete the word "and" between paragraphs 1 and 2.
- b. When a member takes leave to serve overseas, the leave to which he is entitled shall be calculated on the basis of the number of days he is absent from duty. The leave to which he is entitled shall be calculated on the basis of the number of days he is absent from duty. The leave to which he is entitled shall be calculated on the basis of the number of days he is absent from duty.
- c. Amend paragraph 3 (para).
- d. Delete from paragraph 4 the words "paragraph 1 and 2 above" and insert in their place the words "paragraph 1 above".
- e. Delete from paragraph 5 the words "paragraph 1 and 2 above" and insert in their place the words "paragraph 1".

(1221/4111)

(Copy Only 1974)

Leave Order 1967-74 is now over three years old and may be amended at any time.





AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
14 October 1974.

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
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 3461.

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

297/74—Distribution of Publications and Amendments Managed by Executive Officer Publications, Sydney—July 1974.

298/74—Jane's Publications—Disposal of Obsolete Copies.

299/74—Obsolete Books of Reference (BRs)—Educational.

300/74—Navy Orders—Issue of Current, Three Year Series in Microfiche Format.

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- 299/74 Obsolete Books of Reference (BRs)—Educational.
- 300/74 Navy Orders—Issue of Current, Three Year Series in Microfiche Format.

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

297/74—Distribution of Publications and Amendments Managed by Executive Officer Publications, Sydney—July 1974

1. This Navy Order introduces the system whereby issues, status, etc, of publications will be notified on a monthly basis.
2. The annexe lists publications and amendments distributed, declared obsolete, superseded, etc, during July 1974.
3. 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.
4. Holders of basic publications are reminded that only those issues recorded on NAVPUB will be updated without demand (Navy Order 158/74 refers).
5. Changes issued to publications held as advance copies or to publications not on general distribution are not reflected in Navy Orders.

Gratuitous Issues

6. 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.
7. Supply Officers should place Requisitions on the Publications Authority, Garden Island, NSW, for the total number of copies required in their respective ship or establishment on Form SO150, 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, Articles 1301 and 2512.
8. 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

9. 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.
10. 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.

11. 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, Magazines, Etc

12. Issues, etc, of periodicals and magazines will not be included in monthly Navy Orders. A separate order will be promulgated at a later date on this subject.

ANNEXE A

Initial Issue of Basic Publications

Publication No	Title	Edition
AP L57091323 ..	AN/SQS-23D-FC1	March 1972
AP 108E-0039-1346	Operating Head and Valve Type 'A'	1972
AP 116B-0901-1 ..	Sarbe Beacon Mk 1, 2, 3 and 4 General and Technical Information	—
AP 1182EV4P2P6..	Flying Clothing and Survival Equipment ..	1958
AP 120M-0601-1 ..	Wrapped Joints	1974
BR 3001	Marine Engineering Technical Instructions ..	1973
BR 4200(3)	Handbook for Radar Type 1006	1971
MBR 9304	Counter, Frequency HP5245L Handbook	—
NA 00-35QR-605..	Radar Set AN/APS-88A Avionics Material ..	Rev. March 1974
NA 00-500C	Naval Aeronautic Publications Index—Directives Application List by Aircraft Configuration	1.2.74
NA 01-40AVC-2-7	A-4E, A-4F, A-4G, A-4H, Aircraft Communication Identification Navigation Systems Maintenance Instructions	Changed 15.11.72
NA 03-10EA-96 ..	Pump-Vacuum Rotary Power Driven Mod. 3P-485-K Overhaul Instruction with IPB	1.12.68
NA 03-5AD-142 ..	Generator A.C. Model 2CM353FIA Depot Maintenance Instructions with IPB	1.9.71
NA 11-1-116	Navy Ammunition Logistics Codes—Navord OD16135 FSN0627-161-3572	15.1.73
NA 11-75A-61 .. .	Rocket Launchers 2.75" Airborne LAU-61, 68 and 69 Series, Intermediate Maintenance Instruction	15.8.71

ANNEXE A—continued

Publication No	Title	Edition
NA 17-15CK-12 ..	Test Set Intercommunication System Amplifier Control Console P/N.5820907-1, -501 Douglas OPER/SERV/Instructions with IPB	15.12.68
NA 19-105B-12 ..	Engine Gas Turbine Pneumatic Power Mods. GT085-72-73 Airsearch Operations Maintenance Instructions	15.7.72
NA 19-105B-14 ..	Engine Pneumatic Power Gas Turbine IPB ..	15.7.72
NA 19-45-10	Power Plant Mobile Electric Model NC-2A, Organizational, Intermediate and Depot Maintenance with IPB	15.1.72

ANNEXE B

Publications Declared Obsolete

Publication No	Title	Edition	Remarks
BR 1708	Manual of Demolition	1949	} Superseded by BR338 } No Superseding Publication } Obsolete
BR 1836	Demolition Drill Book	1962	
BR 1902	Thermodynamic Properties of Fluids .. ..	..
BR 924(MODS)..	Handbook for 2" Rocket Flare Modifications	..	} Superseded by NS0967-324-1010(M) and NS0967-329-9010(M)
NS 0967-324-1010	Sonar Sounding Set AN/HQN-4 Technical Manual (Imperial)	..	
NS 0967-329-0010	Depth Indicator AN/UQN-4 Tech. Manual (Imperial)	..	
NS 0967-411-9010	Sonar Sounding Set Incl. Depth Indicator AN/UQN-4	..	

Superseding publications will be issued to approved holders without demand.

ANNEXE C

Publications Not Currently Available for Supply

Publication No	Title	Edition
BR 1781(2)	Handbook of Common Range Electrical Testing Equipment—Allowances	1970
BR 2343(1)	Handbook for Type 6325(2) Text	1973

ANNEXE C—continued

Publications of Which Stock is Exhausted

Publication No	Title	Edition	Remarks
JSP (AS)102 ..	Joint Service Staff Manual Service Writing	1968	Refer Navy Order 135/74
ABR 27V2 ..	RAN Training Manual	1973	Being reprinted

Stock Now Replenished

Publication No	Title	Edition
ABR 5146 ..	Service Handbook for Transistorised Audio Frequency Terminal Equipment	May 1972

Introduction of ABR 862

ABR 862, currently in the course of production, will supersede BR 862 1962 Edition and BR 862 1970 Edition. Issue will be effected without demand. Until such time as ABR 862 is distributed, BR 862—1962 Edition is to be regarded as current. Holders of the 1970 Edition are to regard the publication as being for general information only.

Amendments Issued to Publications

Publication No	Amendment/Change
AAP 7001.006-1	17
AAP 7040.001-1	10
AAP 7050.001-1	13
AAP 7113.013-100	7, 8, 9 and 10
AAP 7210-010-2-5	1
AAP 7211.006-99	55
AAP 7212.001-100	224, 225, 226, 227 and 228
AAP 7212.001-2-1	33
AAP 7212.001-2-10	9
AAP 7212.001-2-2	18 and 19
AAP 7212.001-2-3	32 and 33
AAP 7212.001-2-4	19
AAP 7212.001-2-5	34
AAP 7212.001-2-7	13
AAP 7212.001-2-8	18
AAP 7212.001-99	19
AAP 7294.031-3	14
AAP 7416.030-3M	3
AAP 7431.009-3M	4

ANNEXE C—continued

Publication No	Amendment/Change
AAP 7433.002-3M	2
AAP 7445.001-3M	1
AAP 7445.007-3	3 and 4
AAP 7453.006-3M	2
AAP 7483.008-3M	3
AAP 7494.006-3M	2 and 3
AAP 7494.014-3	2
ABR 5076	10
ABR 540 (4) P5E/1	2
ABR 540 (4) P5E/2	2
AP RAN 10V5P1P2P3	30 and 31
AP RAN 100 V1P17	20
AP RAN 100 V1P3	14
AP RAN 100 V1P6	16
AP RAN 100 V2P3	45
AP RAN 100 V2P6	36 and 40
AP RAN 100 V2P7	113 and 114
AP RAN 100 V2P8	93
AP RAN 19 V2B1 B2	165
AP RAN 500 V2 P1	233, 235, 236 and 238
AP RAN 500 V2 P2 P3	88
AP RAN 500 V5 P1 S1	4
AP RAN 500 V5 P1 S2	5
AP RAN 600 V2 P2	64
AP RAN 600 V2 P4	14
AP RAN 602 V5 P1 P2 P3	76 and 77
AP RAN 8B V5 P1 P2 P3	76 and 77
AP RAN 8B V5 P1 S1	4
AP RAN 8 V6 P1	AIL II
AP RAN 9AB V2	Transmittal Letter 89
AP RAN 9B V6 P1	16
AP 101C-0401-10B	20
AP 101C-0401-3B	142
AP 101C-0701-1B	AIL 1/74
AP 102C-0605-3A	11
AP 107D-0001-1	AIL 2/74 and AIL 3/74
AP 108D-009-5FN	RAN 2
AP 108E-0519-1	6 and 7
AP 110F-0104-15NQ	1
AP 112T-01244-1	5
AP 113B3 P1 P2	37
AP 113D-1903-1	2
AP 116D-0102-1A	38
AP 116D-0102-2	133 B75
AP 116D-0102-6	57 B33
AP 117L-0202-1	4
AP 119G-0919-3AN	6
AP 1602	Sept/Dec 74 issue
AP 1803 V2 P1	Leaflet U124
AP 3158 V2	532C10 and 535H41
AP 4515C V3 P1 S2	7

ANNEXE C—continued

Publication No	Amendment/Change
BR 2125(MODS)	.. .. 10
BR 2221 (1) A	.. .. 13
BR 2221 (1) B	.. .. 13 and 14
BR 2367	.. .. 10
BR 31	.. .. Covers and 19
BR 862/72	.. .. 5
CAT H/B.H2-3	.. .. Cumulative Supplement 23
CAT H/B.66-H8-1	.. .. Advice Note 3
E LIST—E1232	.. .. 5 and 6
E LIST—E1289	.. .. 19
E LIST—R1507	.. .. 4
E LIST—S1510	.. .. 1 and 2
MBR 8074	.. .. Supplement 3 and 4
NAVSO P3086	.. .. 9 and 10
NAVSUP 1 V1	.. .. 62 and 63
NAVSUP 1 V2	.. .. 77, 78 and 79
NAVSUP 1 V4	.. .. 57, 58 and 59
NAVSUP 1 V5	.. .. 64
NAVSUP 1 V5 APPX a	.. .. 27
NAVSUP 4400 FSC40	.. .. FSC 4010 and 4020
NAVSUP 467	.. .. 22 and 23
NAVSUP 485	.. .. 38, 39, 40, 41 and 42
NAVSUP 486	.. .. 23 and 24
NAVSUP 487	.. .. 13
NA 01-1A-505	.. .. RAC 1
NA 01-40AVC-2-7	.. .. 1/1/74
NA 01-40AVC-2-7-1	.. .. 1/4/73
NA 01-40AVC-6	.. .. RAC 14
NA 01-40AVC-6-3	.. .. RAC 18 and 19
NA 01-40AVD-2-2-2	.. .. RAN 8
NA 01-40AVD-2-6	.. .. 1, 2, 3, 4 and 5; ICH 8 and 9
NA 01-40AVD-2-7-1	.. .. 1, 2 and 3; ICH 7, 8 and 9
NA 01-85SAD-1	.. .. RAN 1
NA 01-85SAD-2-11	.. .. RAN 8 and 9
NA 01-85SAD-4-8	.. .. RAN 9
NA 03-30CY-599	.. .. RAN 1
NA 05-15AAA-1	.. .. RAN 1
NA 11-85-5	.. .. 4
NA 16-30APN141-2	.. .. RAN 2
NA 16-30APQ107-1	.. .. 2
NA 16-30APX64-3	.. .. 10
NA 16-30ARN84-1	.. .. 1
NA 16-350A7255-1	.. .. RAN 1
NA 16-35TS1843-1	.. .. 3
NA 17-15KG-17	.. .. RAN 4
NA 17-15KG-9	.. .. RAN 3
NA 17-15MDA-6	.. .. 2
NZBR 23 V1	.. .. 65 and 66
OP 2665 PMSV1	.. .. 3
TM 55-1520-219-35	.. .. RAN 27

(465/61/228)

(Navy Order 158/74)

UNCLASSIFIED

298/74—Jane's Publications—Disposal of Obsolete Copies

1. The following Jane's annual publications are widely distributed to HMA ships, establishments and other authorities:

- BR 762 Jane's Fighting Ships
- BR 764 Jane's All the World's Aircraft.

2. On receipt of the latest edition, superseded copies should be returned to the Navy Publications Store, REVY, Pyrmont, for possible re-issue to authorities not on the distribution list for current editions.

3. Authorities requiring the superseded copies should make application on Form SO150 (Navy Order 236/74 refers), quoting this order as an authority. Requisitions will be met on a 'first come, first served' basis.

(465/252/332)

(Navy Order 236/74)

UNCLASSIFIED

299/74—Obsolete Books of Reference (BRs)—Educational

1. The following BRs have been declared obsolete within the RAN:

Group A

BR 1736	Naval Staff Histories
BR 1829	Principal Naval Events and Chronology
BR 1840	German Naval Operations in the Baltic
BR 1877	The River Plate Battle
BR 2056	Sinking of the Bismark 27th May 1941-1942 Official Despatches
BR 456	The British Isles
BR 471	The Story of the Royal Marines
BR 475 (2)	School Physics (B) Part II Sound, Heat and Light
BR 477	British History Vol. II
BR 478	British History
BR 481	British Empire and Commonwealth

Group B

BR 458	English for Technical Students
BR 489	Elementary Mechanics with Hydrostatics
BR 565	Dynamics
BR 573	A New English Course Stage 3
BR 556	Elementary Magnetism and Electricity
BR 560	Right Angled Triangle Tables For Use in the RN
BR 605	Elementary Algebra Part 1

Group C

BR 488 (1)	Certificate Mathematics Vol. 1
(2)	Certificate Mathematics Vol. 2
BR 564	The World a General Regional Geography
BR 92	Psychromatic Tables for Pattern 90 Psychrometers.

2. Disposal is to be effected as follows:

Group A

All copies to be forwarded to the Director of Naval Education Services, Department of Defence (Navy Office), Canberra, ACT 2600.

Group B

All copies to be forwarded to the Senior Instructor Officer, HMAS LEEUWIN, PO Box 58, Fremantle, WA 6160.

Group C

All copies to be destroyed in accordance with ABR 4, Article 2514, Paragraph 3.

3. The BRs listed in Groups A and B are no longer to be regarded as official publications. The BR Number should be obliterated.

4. The BRs in Group A will be redistributed to Central Reference Libraries and other miscellaneous libraries.

5. The BRs in Group B will be held in the HMAS LEEUWIN JRTE textbook library.

6. All reference to the BRs listed in this Navy Order will be deleted from the NAVPUB record (Navy Order 158/74 refers), and it will not be necessary for them to be accounted for.

(465/61/228)

(Navy Order 158/74)

UNCLASSIFIED**300/74—Navy Orders—Issue of Current, Three Year Series in Microfiche Format**

1. Ships, establishments and other authorities having access to microfiche readers, originally supplied as retrieval equipment for the RAN Catalogue of Materiel (ABR 5074), may now obtain the current series of Navy Orders in miniaturised (microfiche) format.

2. The orders are contained on twelve microfiche and cover all Unclassified and Restricted orders issued during the period July 1971 to June 1974. The prime advantage of the microfiche version is that orders for the period July 1971 to December 1973 are annotated with details of all amendments which have taken place up to June 1974. Orders for the period January to June 1974 actually incorporate all amendments which have taken place during that period. Further possible advantages are that the microfiche version, aside from saving space, could serve as the basic reference copy to check the state of amendment of 'hard' (paper) copies held in the ship or establishment.

3. From this issue onwards, a full set of current Navy Orders (ie, for the preceding three years) will be issued every January and July, and will incorporate all amendments up to the date of issue.

4. The index to Navy Orders is now being maintained by computer and a complete index to all current orders will be issued in 'hard' (paper) copy format at the same time to all recipients of the orders.

5. Copies of the microfiche sets of current orders will not be issued automatically, however they may be obtained in the quantity required 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.

(465/61/228)

UNCLASSIFIED

301/74—Gowrie Scholarships—1975

1. The Naval Board have been advised that the following awards for the year of 1975 will be made from the Gowrie Scholarship Trust Fund:

- a. Post-graduate Research Travelling Scholarships, for two years of \$2,000 per annum (two in number);
- b. University or Tertiary Scholarships, for duration of course, of \$150 per annum (ten in number); and
- c. Secondary School Scholarships, for one or two years, of \$80 per annum (ten in number).

2. Applications must be submitted as follows:

Post-graduate Scholarships—to the Registrar of the University of graduation in Australia—31 October 1974.

Other Scholarships—to the Secretary, The Gowrie Scholarship Trust Fund, Box E5, PO St James, NSW—30 September 1974.

3. The Scholarships are available only to members of the Defence Force who served in a combat area during the war of 1939-45 or to their descendants.

4. Forms of application and instructions are obtainable from the Secretary of the Trust, or through the university or school attended.

5. Navy Order 242/73 is hereby cancelled.

(134/1/4)

(Navy Order 242/73)

DNLS

ANOs 302/74-318/74



AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
22 October 1974.

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 3461.

UNCLASSIFIED

301/74—Gowrie Scholarship 1975 (issued separately)**Section 1****ADMINISTRATIVE AND GENERAL**

UNCLASSIFIED

302/74—Battle Honours for HMA Ships and Fleet Air Arm Squadrons

1. The award of Battle Honours to Her Majesty's Australian Ships is intended to foster esprit de corps among their officers and ships companies, who are thereby encouraged to take a personal interest in the war-time exploits not only of their present ship but also of those of same name which distinguished themselves in the past.

2. Battle Honours, which are intended to reflect successful war service in action or in a recognised campaign, rather than a record of war service, have been awarded to ships (including former ships of the same name) eligible to display any of the following named Battle Honours:

<i>Battle Honour</i>	<i>Qualifying Dates</i>
ARMADA 1588	21–29 July, 1588
CADIZ 1596	21 June, 1596
DOVER 1652	19 May, 1652
MONTECRISTO 1652	28 August, 1652
KENTISH KNOCK 1652	28 September, 1652
PORTLAND 1653	18–20 February, 1653
GABBARD 1653	2–3 June, 1653
SCHEVENINGEN 1653	31 July, 1653
PORTOFARINA 1655	4 April, 1655
SANTA CRUZ 1657	20 April, 1657
LOWESTOFT 1665	3 June, 1665
ORFORDNESS 1666	25 July, 1666
BUGIA 1671	8 May, 1671
SOLE BAY 1672	28 May, 1672
SCHOONEVELD 1673	28 May and 4 June, 1673
TEXEL 1673	11 August, 1673
BARFLEUR 1692	19–24 May, 1692
VIGO 1702	12 October, 1702
GIBRALTAR 1704	24 July, 1704
VELEZ MALAGA 1704	3 August, 1704
MARBELLA 1705	10 March, 1705
PASSERO 1718	31 July, 1718
PUERTO BELLO 1739	22 November, 1739
FINISTERRE 1747	3 May, 1747
USHANT 1747	14 October, 1747
CAPE FRANCOIS 1757	21 October, 1757
SADRAS 1758	25 April, 1758
LOUISBURG 1758	6 July, 1758

<i>Battle Honour</i>	<i>Qualifying Dates</i>
NEGAPATAM 1758	3 August, 1758
LAGOS 1759	17-18 August, 1759
PORTO NOVO 1759	10 September, 1759
QUEBEC 1759	July-13 September, 1759
QUIBERON BAY 1759	20 November, 1759
BELLE ILE 1761	7 June, 1761
MARTINIQUE 1762	16 January-16 February, 1762
HAVANA 1762	6 June-13 August, 1762
LAKE CHAMPLAIN 1776	11 and 13 October, 1776
ST. LUCIA 1778	15 December, 1778
ST. VINCENT 1780	16 January, 1780
CHESAPEAKE 1781	16 March, 1781
DOGGER BANK 1781	5 August, 1781
USHANT 1781	12 December, 1781
ST. KITTS 1782	25-26 January, 1782
SADRAS 1782	17 February, 1782
THE SAINTS 1782	12 April, 1782
PROVIDIEN 1782	12 April, 1782
NEGAPATAM 1782	6 July, 1782
TRINCOMALEE 1782	3 September, 1782
MARTINIQUE 1794	5-22 March, 1794
FIRST OF JUNE 1794	1 June, 1794
GENOA 1795	13-14 March, 1795
CORNWALLIS' RETREAT 1795	17 June, 1795
GROIX ISLAND 1795	23 June, 1795
CAPE OF GOOD HOPE 1795	14 July-16 September, 1795
ST. LUCIA 1796	27 April-24 May, 1796
ST. VINCENT 1797	14 February, 1797
CAMPERDOWN 1797	11 October, 1797
NILE 1798	1 August, 1798
DONEGAL 1798	12 October, 1798
MINORCA 1798	7-15 November, 1798
ACRE 1799	17 March-20 May, 1799
COPENHAGEN 1801	2 April, 1801
GUT OF GIBRALTAR 1801	12-13 July, 1801
EGYPT 1801	March-September, 1801
CAPE TENEZ 1805	4 February, 1805
TRAFALGAR 1805	21 October, 1805
BAY OF BISCAY 1805	4 November, 1805
CAPE OF GOOD HOPE 1806	8-18 January, 1806
SAN DOMINGO 1806	6 February, 1806
CURACOA 1807	1 January, 1807
CAYENNE 1809	14 January, 1809
MARTINIQUE 1809	30 January-24 February, 1809
BASQUE ROADS 1809	11 April, 1809
GUADELOUPE 1810	28 January-5 February, 1810
AMBOINA 1810	17 February, 1810
BANDA NEIRA 1810	9 August, 1810
TERNATE 1810	29 August, 1810
LISSA 1811	13 March, 1811
TAMATAVE 1811	20 May, 1811
JAVA 1811	July-September, 1811
PELAGOSA 1811	29 November, 1811

<i>Battle Honour</i>	<i>Qualifying Dates</i>
SAN SEBASTIAN 1813	August-8 September, 1813
GLUCKSTADT 1814	5 January, 1814
CATTARO 1814	5 January, 1814
ALGIERS 1816	27 August, 1816
BURMA 1824-26	5 March, 1824-24 February, 1826
NAVARINO 1827	20 October, 1827
ADEN 1839	19 January, 1839
SYRIA 1840	10 September-9 December, 1840
CHINA 1841-42	7 January, 1841-21 July, 1842
NEW ZEALAND 1845-47	1845-47
BURMA 1852-53	10 January, 1852-30 June, 1853
BALTIC 1854-55	28 March-20 September, 1854; 17 April-10 December, 1855
CRIMEA 1854-55	17 September, 1854-22 November, 1855
CHINA 1856-60	1 October, 1856-26 June, 1858; 1 August-24 October, 1860
LUCKNOW 1857-58	1857-58
AMORHA 1858	5 March, 1858
NEW ZEALAND 1860-66	1860-66
ABYSSINIA 1868	13 April, 1868
ASHANTEE 1873-74	9 June, 1873-4 February, 1874
ALEXANDRIA 1882	11 July, 1882
BENIN 1897	8-28 February, 1897
SOUTH AFRICA 1899-1900	1899-1900
CHINA 1900	10 June-31 December, 1900
HELIGOLAND 1914	28 August, 1914
FALKLAND ISLANDS 1914	8 December, 1914
CAMEROONS 1914	1914
DOGGER BANK 1915	24 January, 1915
SUEZ CANAL 1915	2-4 February, 1915
DARDANELLES 1915-16	19 February, 1915-8 January, 1916
MESOPOTAMIA 1914-16	1914-16
JUTLAND 1916	31 May, 1916
DOVER 1917	21 April, 1917
ZEEBRUGGE 1918	23 April, 1918
OSTEND 1918	10 May, 1918
BELGIAN COAST 1914-18	4 August, 1914-19 October, 1918
RIVER PLATE 1939	13 December, 1939
NARVIK 1940	10 and 13 April, 1940
NORWAY 1940-45	8 April-8 June, 1940; and later years
DUNKIRK 1940	26 May-4 June, 1940
'Scharnhorst' 1940	8 June, 1940
CALABRIA 1940	9 July, 1940
SPADA 1940	19 July, 1940
TARANTO 1940	11 November, 1940
SPARTIVENTO 1940	27 November, 1940
MATAPAN 1941	28-29 March, 1941
SFAX 1941	15-16 April, 1941
GREECE 1941	24-29 April, 1941
CRETE 1941	20 May-1 June, 1941
'Bismarck' 1941	23-27 May, 1941
CAPE BON 1941	13 December, 1941
LIBYA 1940-42	September, 1940-June, 1942

Battle Honour	Qualifying Dates
SUNDA STRAIT 1942	28 February-1 March, 1942
SIRTE 1942	22 March, 1942
ST. NAZAIRE 1942	28 March, 1942
DIEGO SUAREZ 1942	5-7 May, 1942
CORAL SEA 1942	7 May, 1942
SAVO ISLAND 1942	9 August, 1942
DIEPPE 1942	19 August, 1942
BARENTS SEA	31 December, 1942
GUADALCANAL 1942-43	August, 1942-February, 1943
NORTH AFRICA 1942-43	8 November, 1942-20 February, 1943
SICILY 1943	10 July-17 August, 1943
KULA GULF 1943	13 July, 1943
SALERNO 1943	9 September-6 October, 1943
AEGEAN 1943-44	7 September-28 November, 1943; and 1944
NORTH CAPE 1943	26 December, 1943
ADRIATIC 1944	1944
ANZIO 1944	22-31 January, 1944
NORMANDY 1944	6 June-3 July, 1944
SABANG 1944	25 July, 1944
SOUTH FRANCE 1944	15-27 August, 1944
LEYTE GULF 1944	20-27 October, 1944
WALCHEREN 1944	1 November, 1944
MALAYA 1942-45	1942-45
BURMA 1944-45	October, 1944-April, 1945; May-August, 1945
LINGAYEN GULF 1945	5-9 January, 1945
PALEMBANG 1945	24 January, 1945
OKINAWA 1945	26 March-25 May, 1945
JAPAN 1945	16 July-11 August, 1945
ATLANTIC 1939-45	1939-45
ENGLISH CHANNEL 1939-45	1939-45
NORTH SEA 1939-45	1939-45
BISCAY 1940-45	1940-45
MEDITERRANEAN 1940-45	1940-45
MALTA CONVOYS 1941-42	1941-42
ARCTIC 1941-45	1941-45
KOREA 1950-53	1950-53
VIETNAM 1967-71	1967-71

3. Single-ship and Boat Service Actions which are denoted by the Name of the Enemy Engaged, and not by a Place name eg:

Date	Ship	Battle Honour
9.11.1914	SYDNEY	'Emden' 1914
19.11.1941	SYDNEY	'Kormoran' 1941

4. The undermentioned ships of the Fleet and commissioned shore establishments have been awarded the Battle Honours noted against their names—

Ship	Battle Honour
ACUTE	North Sea 1942
	North Africa 1942-43
	Sicily 1943
	Salerno 1943
	Atlantic 1943

Ship	Battle Honour
ALBATROSS	Atlantic 1942-43
	Normandy 1944
ANZAC	Korea 1951-53
ARARAT	New Guinea 1943
ARCHER	Baltic 1854-5
	Heligoland 1914
	Atlantic 1943-44
	Biscay 1943
ARDENT	Camperdown 1797
	Copenhagen 1801
	Crimea 1854-55
	Jutland 1916
	Atlantic 1939-40
	Norway 1940
	'Scharnhorst' 1940
ARMIDALE	Pacific 1942
ARROW	Copenhagen 1801
	Cape Tenez 1805
	San Sebastian 1813
	Crimea 1854-55
	Atlantic 1940-43
	Norway 1940
	North Sea 1942
	Libya 1942
	Malta Convoys 1942
	Sicily 1943
ARUNTA	Guadalcanal 1942
	New Guinea 1942-44
	Pacific 1943-45
	Leyte Gulf 1944
	Lingayen Gulf 1945
ATTACK	Heligoland 1914
	Dogger Bank 1915
	Jutland 1916
AUSTRALIA	Atlantic 1940-41
	Coral Sea 1942
	Savo Island 1942
	Guadalcanal 1942-43
	New Guinea 1942-44
	Leyte Gulf 1944
	Lingayen Gulf 1945
BALLARAT	New Guinea 1942-44
	Okinawa 1945
BARCOO	Pacific 1945
BATTAN	Korea 1950-52
BENALLA	New Guinea 1943-44
BENDIGO	New Guinea 1942-44
	Okinawa 1945
BRISBANE	Vietnam 1969-71
BROOME	New Guinea 1942-44
BUNBURY	New Guinea 1943-44
BUNDABERG	New Guinea 1943-44
BURDEKIN	Pacific 1945

Ship	Battle Honour
BURNIE	Okinawa 1945
CAIRNS	Sicily 1943
CANBERRA	Okinawa 1945
	Savo Island 1942
CERBERUS	Guadalcanal 1942
	Havana 1762
CESSNOCK	Lissa 1811
CHILDERS	Sicily 1943
COLAC	China 1842
	New Guinea 1942-44
	Pacific 1945
CONDAMINE	Korea 1952-53
COOTAMUNDRA	New Guinea 1944
COWRA	New Guinea 1944
CULGOA	Korea 1953
CURLEW	Crimea 1854-55
	Norway 1940
DELORAINE	Pacific 1942
	New Guinea 1942-44
DERWENT	Atlantic 1942
	Malta Convoys 1942
DIAMANTINA	Pacific 1945
DUBBO	Pacific 1945
DUCHESS	Portland 1653
	Gabbard 1653
	Schevingen 1653
	Barfleur 1692
ECHUCA	New Guinea 1943-44
ENCOUNTER	Cape of Good Hope 1806
	Basque Roads 1809
	China 1856-60
	Pei-Ho Forts 1859
	Atlantic 1939
	Norway 1940
	Spartivento 1940
	Libya 1941
	Mediterranean 1941
	Malta Convoys 1941
	Ashantee 1873-74
GASCOYNE	New Guinea 1944
	Leyte Gulf 1944
	Lingayen Gulf 1945
	Pacific 1945
GAWLER	Sicily 1943
GEELONG	New Guinea 1944
GERALDTON	Sicily 1943
GLADSTONE	New Guinea 1943-44
GLENELG	New Guinea 1943-44
GOULBURN	New Guinea 1944
GYMPIE	New Guinea 1944
HAWK	Barfleur 1692
	Vigo 1702

Ship	Battle Honour
HAWKESBURY	Atlantic 1944-45
	New Guinea 1944
	Pacific 1945
HOBART	Mediterranean 1941
	Coral Sea 1942
	Savo Island 1942
	Guadalcanal 1942-43
	Pacific 1945
	Vietnam 1967-70
IBIS	Atlantic 1941-42
	North Africa 1942
	Normandy 1944
IPSWICH	Sicily 1943
KALGOORLIE	Pacific 1942
	Okinawa 1945
KANGAROO	Egypt 1801
	Belgian Coast 1914-16
KAPUNDA	New Guinea 1943-44
KATOOMBA	New Guinea 1942-44
KIAMA	New Guinea 1944
	Pacific 1945
LABUAN	English Channel 1945
LACHLAN	Pacific 1945
LATROBE	New Guinea 1943-44
	Pacific 1945
LAUNCESTON	Belle Isle 1761
	Okinawa 1945
LISMORE	Sicily 1943
	Okinawa 1945
LITHGOW	New Guinea 1942-44
	Pacific 1945
MARYBOROUGH	Sicily 1943
MELBOURNE	Norway 1940
MELVILLE	China 1841
	Atlantic 1942-45
MILDURA	New Guinea 1944
MORESBY	Jutland 1916
MURCHISON	Korea 1951-52
NAPIER	Crete 1941
	Libya 1941
	Burma 1944-45
	Okinawa 1945
	Burma 1944-45
	Okinawa 1945
NEPAL	Jutland 1916
NESTOR	'Bismarck' 1941
	Atlantic 1941
	Malta Convoys 1941-42
	Malta Convoys 1941-42
	Crete 1941
	Libya 1941
	Okinawa 1945
NIZAM	

Ship	Battle Honour
NORMAN	Burma 1944-45 Okinawa 1945
OTWAY	Atlantic 1940
ONSLOW	Jutland 1916 Arctic 1941-45 North Africa 1942-43 Atlantic 1942 Barents Sea 1942 Malta Convoys 1942 Biscay 1944 Normandy 1944 Norway 1945
ORION	First of June 1794 Groix Island 1795 St. Vincent 1797 Nile 1798 Trafalgar 1805 Baltic 1855 Jutland 1916 Atlantic 1939 Mediterranean 1940-44 Calabria 1940 Malta Convoys 1941 Matapan 1941 Greece 1941 Crete 1941 Sicily 1943 Salerno 1943 Aegean 1944 Anzio 1944 Normandy 1944 South France 1944 New Guinea 1944
PARKES	Libya 1941
PARRAMATTA	Atlantic 1939
PERTH	Crete 1941 Greece 1941 Malta Convoys 1941 Matapan 1941 Sunda Strait 1942 Vietnam 1967-71 China 1860
PIONEER	New Guinea 1943-44
PIRIE	Okinawa 1945
PSYCHE	Java 1811
QUADRANT	Arctic 1942-43 Okinawa 1945
QUALITY	North Africa 1942-43 Sabang 1944 Okinawa 1945

Ship	Battle Honour
QUEENBOROUGH	Sadras 1758 Negapatam 1758 Porto Novo 1759 Arctic 1942-43 Sicily 1943 Salerno 1943 Mediterranean 1943 Okinawa 1945
QUIBERON	Mediterranean 1942 North Africa 1942-43 Atlantic 1943 Okinawa 1945
QUICKMATCH	English Channel 1942 Atlantic 1943 Sabang 1944 Okinawa 1945
RESERVE	Lowestoft 1665 Four Days Battle 1666 New Guinea 1943-44
ROCKHAMPTON	New Guinea 1944
SHEPPARTON	New Guinea 1943-44
SHOALHAVEN	Korea 1950
SHROPSHIRE	Atlantic 1941 Arctic 1941 New Guinea 1943-44 Leyte Gulf 1944 Lingayen Gulf 1945 Pacific 1945
STAWELL	New Guinea 1943-44 Pacific 1945
SPRIGHTLY	Dogger Bank 1781
STRAHAN	New Guinea 1944
STUART	Mediterranean 1940 Calabria 1940 Libya 1940-41 Matapan 1941 Greece 1941 Crete 1941 New Guinea 1942-44
SUCCESS	Portland 1653 Gabbard 1653 Porto Farina 1655 Lowestoft 1665 Sole Bay 1672 Texel 1673 Passero 1718
SWAN	Cadiz 1596 Gabbard 1653 New Guinea 1942-44

Ship	Battle Honour
SYDNEY	'Emden' 1914 Calabria 1940 Spada 1940 Mediterranean 1940 'Kormoran' 1941 Korea 1951-52
TOBRUK	Korea 1951-53
TOWNSVILLE	New Guinea 1944
VAMPIRE	Calabria 1940 Libya 1940-41 Greece 1941 Crete 1941 Aegean 1944
VENDETTA	Libya 1940-41 Matapan 1941 Greece 1941 Crete 1941 Mediterranean 1941 New Guinea 1943-44 Vietnam 1969-70
VOYAGER	Calabria 1940 Libya 1940-41 Greece 1941 Crete 1941 Mediterranean 1941 Pacific 1942
WAGGA	New Guinea 1943-44
WARRAMUNGA	New Guinea 1943-44 Leyte Gulf 1944 Lingayen Gulf 1945 Pacific 1945 Korea 1950-52
WARREGO	New Guinea 1942 Lingayen Gulf 1945 Pacific 1945
WARRNAMBOOL	Pacific 1942
WATERHEN	Libya 1940-41 Greece 1941 Vietnam 1967-71 (CDT 3)
WHYALLA	New Guinea 1942-44 Okinawa 1945
YARRA	Libya 1941

Fleet Air Arm

Squadron	Battle Honour
805	Crete 1941 Libya 1941-42 Korea 1951-52

Squadron	Battle Honour
808	Spartivento 1940 'Bismarck' 1941 Malta Convoys 1941 Atlantic 1943 Salerno 1943 Normandy 1944 Burma 1945 Korea 1951-52
816	Norway 1940 Malta Convoys 1941 Mediterranean 1941 Atlantic 1943 Arctic 1944
817	Norway 1941 North Africa 1942 Biscay 1942 Korea 1951-52
851	Burma 1945 Malaya 1945
723	Vietnam 1967-71

Disposal of Battle Honour Scrolls

5. Battle Honour Scrolls taken from ships that are being prepared for sale are to be sent for storage to Garden Island Dockyard, where they are to be taken on Naval Store charge at a professional valuation for possible use in other ships of the same name. As, however, there is no certainty that further use will necessarily be found for the Scrolls, the professional valuation at which they are to be taken on charge should be the value they might be expected to realise if sold.

(38/1/70)

UNCLASSIFIED

303/74—Hazards Associated With Inhalation of Smoke and Hot Gases

1. In all types of combustion, smoke and a mixture of gases are produced. Invariably these products of combustion are toxic to man in varying degrees and can be lethal if exposure is prolonged.

2. The composition of these noxious smokes and gases depends on the type of combustible material at the site of the fire. Invariably carbon monoxide and carbon dioxide will be produced which will reach dangerous concentrations.

3. Symptoms which may be produced by inhalation of these gases include giddiness, weakness, mental confusion, breathlessness, palpitations and finally unconsciousness and death. Additional effects of other gases produced by the burning of such materials as paint or explosives are likely to include irritation to all breathing passages, tightness of the chest, cough, headache, irritation of the eyes and possibly vomiting.

4. Antigas respirators are of no use as a protection from these gases, as they all tend to produce oxygen deficiency. This oxygen deficiency has a far greater significance when smoke and gases are produced in confined spaces.

5. Personnel suffering from the effects of smoke and gases must be removed to a place where there is adequate fresh air. In such an environment they will normally recover rapidly, but administration of supplemental oxygen may be required. Personnel who have been rendered unconscious by inhalation of smoke and gases will initially require more intensive resuscitative measures such as artificial respiration and possibly external cardiac massage. Recompression chamber therapy using high pressure oxygen at two atmospheres absolute should be considered, if available, for severely afflicted personnel.

6. Personnel entering compartments in which smoke and gases are present must use self-contained breathing apparatus at all times. Normal operating procedures for C2000 Normalair Self-contained Breathing Apparatus are to be enforced at all times.

7. Navy Order 123/74 is hereby cancelled.

(327/53/218)

(Navy Order 123/74)

UNCLASSIFIED

304/74—The RAN Patrol Frigate (PF) Project

1. The RAN PF Project is the total effort involved in the introduction of Patrol Frigates into the RAN. This includes the acquisition of two USN Patrol Frigates built in the USA incorporating a number of RAN modifications and the associated initial training and initial support.

2. The RAN PF Project Office is established in the Naval Technical Services Division, Department of Defence (Navy Office) and is headed by the PF Project Director (PFPD), the position being established at Captain level. The RAN PF Project Office is the focal point for information on the Project and for contact with the US authorities.

3. The PFPD is responsible to the Naval Board through the Chief of Naval Technical Services for the co-ordinative management of the PF Project and is to have direct access to other Board Members when necessary.

4. The Terms of Reference of the PFPD, approved by the Naval Board are reproduced in Volume 1 of the RAN PF Project Management Plan (file 1206/51/25). The Naval Board have directed that the Management Plan is to be the executive document for the RAN PF Project replacing the need for a Project Directive.

(342/11/9)

Section 2

PERSONNEL

UNCLASSIFIED

305/74—Jewish Faith—Appointment of Senior Chaplain to the Services

1. The Department of Defence has approved the appointment by the Executive Council of the Australian Jewry of Rabbi A. Fabian as Senior Jewish Chaplain to the Forces.

2. Rabbi Fabian who will not be a uniformed Naval Chaplain may be contacted through the:

North Shore Synagogue,
15 Treatts Road,
LINDFIELD, NSW 2070.

or

PO Box 194,
LINDFIELD, NSW 2070.

(303/6/80)

UNCLASSIFIED

306/74—Medical Expenses for Dependants of Members Serving Overseas on Long Term Duty

1. The provisions pertaining to assistance with medical expenses, incurred in respect of dependants accompanying a member overseas on long term duty, have been varied as follows:

Medical Examinations

- a. Where a member who is overseas on long term posting marries, or adds a child to his family (other than a child born of the member), and the fare to Australia of the spouse or child would be accepted as a Government expense, arrangements may be made for the spouse or child to be examined by the Australian Government Medical Officer (if any) at the post, or otherwise by a Medical Practitioner chosen by the Head of Post. The report of the medical examination should be forwarded to Navy Office who will if necessary refer it to the Department of Health for decision as to whether any medical condition shown in the report would have affected medical fitness for posting. If so, that condition will not be accepted for reimbursement purposes. Medical examination is not compulsory but in normal circumstances is necessary if the person concerned is to qualify for benefits under this section. A member's own child born during this posting qualifies for benefits under this section without the necessity for a medical examination.

Reimbursement of Medical Expenses

- b. Admissible costs may be in respect of a member's spouse and dependent children at the post who have been examined prior to departure but do not include costs arising from medical conditions excluded as the result of such examinations. No claim may be accepted in respect of any other dependant of a member's family without prior approval by Navy Office except for a child born of the member during the posting. In addition no claim may be accepted in respect of any person who remains covered by any other form of medical or hospital insurance scheme other than an Australian scheme.

Treatment Away From Area—Accommodation and Meals

- c. The amount of reimbursement will be determined at Navy Office and is subject to the actual cost of accommodation and meals not exceeding eighty-five per cent of the Captain or below rate of Short Term Duty Travelling Allowance applicable to the country of posting less a contribution from the member at the applicable rate for board calculated from the unmarried scale of Normal Living Costs—board and lodging contributions by subtracting the appropriate single rental contribution (as shown in Annex C) from the figure for board and lodging.
2. The amendments shown in Paragraphs a and b came into effect from 1 May 1974 and Paragraph c on 16 April 1974.
3. ABR 5020 Article 1781 should be noted as appropriate pending amendment in due course.

(156/51/147)

UNCLASSIFIED

307/74—Prize—Entry 2/1973 Supplementary List Seaman Midshipmen

The United Services Institution of Victoria Prize for Midshipmen SLEX entry 2/1973 has been awarded to:

MIDN SLEX R. M. CRAWFORD, RAN.

(N381/1/10)

UNCLASSIFIED

308/74—Radio Operators Special, Linguists 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 103/71 is hereby cancelled.

(333/8/315)

(Navy Order 103/71)

UNCLASSIFIED

309/74—Uniform/Clothing—Warrant Officer and Chief Wrans—Evening Dress

1. The Naval Board have approved the introduction of an optional evening dress for Warrant Officer and Chief Wrans which may be worn on the occasions when male Warrant Officers and Chief Petty Officers wear evening dress, vide ABR 81 Article 0303.

2. The evening dress is to be the same in design and material as the evening dress worn by WRANS and RANNS Officers (*see* ABR 81 Chapter 4). Accessories as worn by WRANS and RANNS Officers may also be worn by Warrant Officers and Chief Wrans.
3. The badge of rank is to be the appropriate gilt collar badge of rank modified (at the Wran's own expense) by a brooch-type fastening.
4. Miniature medal ribbons are to be worn on the bolero only.
5. ABR 81 will be amended in due course.

(1/8410/3)

UNCLASSIFIED

310/74—Uniform and Insignia—Chief Petty Officer Promoted to Warrant Officer—Gratuity, Gratuitous Issues and Alteration of Cuff Button

1. Approval has been given for Warrant Officers to be compensated as necessary for the repair of blue uniform coats and the replacement of white uniform coats following the removal of cuff buttons.
2. Details of the arrangements are as follows:
- A gratuity of a maximum of \$20 may be paid for the invisible mending of the sleeves of two blue coats, subject to the production of receipts.
 - The white coats in a Warrants Officer's kit may be replaced gratuitously if the sleeves have been eyeletted. A Warrant Officer who has already replaced his white coats for this reason since the date of his promotion may be reimbursed the cost subject to verification of purchase. The amount of such reimbursement is not to exceed the cost at Service issuing price or at Service made-to-measure contract price as appropriate.
 - A Warrant Officer whose engagement expires within three months of the date of this Navy Order is not entitled to be compensated for any garment that has not already been repaired or replaced unless he re-engages.
 - The entitlements are authorised only for Warrant Officers promoted before 31 December 1975.
3. The sleeves of CPO's coats issued from stock in future will be fitted with shankless gilt buttons which obviate the need for eyeletting or plugging and the subsequent repair or replacement which would otherwise be necessary in the event of the owner being promoted to Warrant Officer. Chief Petty Officers purchasing coats from private outfitters are advised to specify the use of shankless cuff buttons.
4. Stocks of the buttons are available for issue from the Superintending Victualling Store Officer, Sydney, Depot Code 0124, as follows:

Class	Catalogue No	Description	Unit of Issue	Fixed Issuing Price
8455	66-064-8429	BUTTON, INSIGNIA, GILT, RAN, MAN'S COAT, $\frac{3}{8}$ " SHANKLESS	EA	\$0.18

5. ABR 81 RAN Uniform Instructions and ABR 5020 Naval Pay Instructions will be amended.

(901/65/11)

Section 3

OPERATIONAL AND TRAINING

UNCLASSIFIED

311/74—Metric Conversion Board Training Programs

1. Navy Order 33/74 notified the introduction of 'RAN Metric Notes', the publication relating metric conversion to the Department of Defence (Navy Office). Navy Order 48/74 promulgated the policy and principles dictating metric conversion training in the RAN and also drew attention to the availability of training aids from external sources, notably the Metric Conversion Board.

2. The Metric Conversion Board has available for loan a number of training programs. Of particular interest and value are Metrikit and Made to Measure.

3. Metrikit is intended primarily for adult education. The kit contains Speakers' Notes, posters, data sheets, thirty-six slides and metric measures. It is suggested that Speakers' Notes should be borrowed in advance for subject and lecture familiarisation.

4. The Made to Measure program consists of an audio-visual cassette complete with matching projector and covers:

- a. the seven base SI units;
- b. derived units, particularly area, volume, speed, force, pressure, energy, power frequency; and
- c. prefixes, permitted units, symbols.

5. Metrikit may be borrowed from all Offices and Agents of the Metric Conversion Board. Made to Measure is available in Sydney, Melbourne, Perth, Brisbane, Adelaide and Hobart.

Offices of the Metric Conversion Board

The Metric Conversion Board
18-24 Chandos Street (PO Box 587
ST LEONARDS, NSW 2065. CROWS NEST, NSW 2065)

The Metric Conversion Board
450 St Kilda Road
MELBOURNE, VIC 3004.

Agents of the Metric Conversion Board

Mr P. B. Sweeney
Metric Conversion Officer
The West Australian Chamber of Manufacturers
GPO Box H515
PERTH, WA 6001.

Mr G. Kimball
Queensland Chamber of Manufacturers
375 Wickham Terrace
BRISBANE, QLD 4000.

Mr K. P. Allen
South Australian Chamber of Commerce and Industry
12 Pirie Street
ADELAIDE, SA 5000.

Mr A. Wilson
Hobart Chamber of Commerce
130 Collins Street
HOBART, TAS 7000.

(400/1/3296)

(Navy Orders 33/74 and 48/74)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

312/74—Introduction of Ammunition Lot Numbering

1. An Ammunition Lot Numbering System, based on the USN system, is being introduced progressively into the RAN for stores of British origin to:

- a. identify ammunition before and after firing;
- b. permit efficient Restriction action in the case of failure or accident;
- c. aid investigation into failures and accidents;
- d. implement improvements in periodic inspection procedures in RAN Ammunition Depots (RANADs); and
- e. implement improvements in production and maintenance control.

2. The system controls the variability of ammunition by limiting the number of different prime component lots which can be assembled into a round of ammunition within an Ammunition Lot Number (ALN).

Example: ALN for a round of 40 mm can be made up of:

- 1 lot of Primers
- 2 lots of Cartridge Cases
- 1 lot of Propellant
- 1 lot of Fuzes
- 1 lot of Tracer Igniters
- 5 consecutive lots of Projectiles.

3. The system provides for:

- a. an ALN which is marked on all ammunition;
- b. an Ammunition Data Card (ADC) which provides the identification details of major components. A sample ADC is shown in Annex A;
Note: The ALN marking is additional to the existing markings required by design drawings, eg, Propellant Lot No, etc;
- c. HMA ships and establishments will be provided with an ADC for each ALN supplied.

4. The ALN System, which will be introduced initially for gun ammunition, is as follows:

Gun ALN

a. *Definition:*

The ALN for gun ammunition consists of a prefix, a numerical group, and a suffix. The prefix indicates the calibre by digits and the type by letter. The numerical group is the actual ALN. The suffix indicates the manufacturer or RANAD, by official distinguishing mark, and a two figure number for year of manufacture or assembly.

b. *Code* to be used for prefix of Gun Ammunition of British origin is as follows:

(1) Prefix-Calibre Code—

Calibre	Code
40 mm	40
4.5"	45

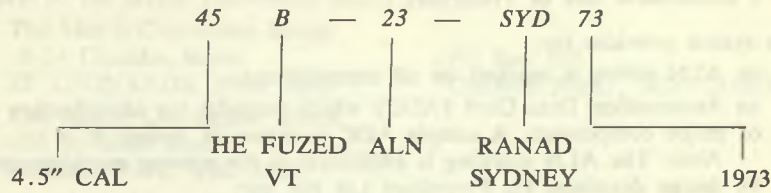
(2) Prefix-Type Code—Fixed Ammunition and Separate Loading Projectiles—

Ammunition Type	Code
HE Fuzed DA	A
HE Fuzed VT	B
HET	C
BUS	D
RE/F	E
Clearing	G
Practice Weighted and Plugged	H
Marker	J
Star	K
AA Practice Fuzed VT	L
AA Practice Fuzed TM	O
RE/I	N

(3) Prefix-Type Code—Separate Loading Cartridges—

Type of Cartridge	Code
Full Service	
Adjusted Charge (FSAC)	F
Saluting	S

c. Sample ALN:



d. Location of ALN Marking:

The ALN will be marked on:

- (1) the cartridge case of a fixed ammunition round and a separate loading cartridge;
- (2) the projectile and fuze or striker cover of a separate loading fuzed projectile, and
- (3) packages, pallets and labels.

e. The ALN is to be included on all forms and reports associated with failures or accidents involving explosives, for identification purposes.

f. Until an ALN is included in the store marking, the existing procedure for identification of stores is to be used.

5. For operational type ammunition, the number of ALNs in any one category will be kept to a minimum. It may be necessary for stock purposes to issue a larger number of ALNs for practice usage.

ANNEXE A
Ammunition Data Card

AMMUNITION LOT No. 400-23-SYD 74

TG143
(1972)

Calibre	Type	Date of Lotting	Lab. Super.		Quantity	Insp. Officer
40 M M.	H.E.T.	7 M. 74			1200	
Lotted by RANAD SYDNEY						
Prime Component	Case Cartridge	Propellant	Primer	Projectile	Fuze	Tracer, Ighit.
Type and/or MK, Mod	MK 4	MNGE/S	MU 12 MK 4	MK 4T	MU 250MMMS	MU 4 MK 6
Empty Manuf.	MF	-	DK	M0	SAF	SAF
Empty Lot No.	73	-	2	5	20	10
Empty Date of Manuf.	12/73	-	5/73	2/72	5/73	3/73
Filler	-	ME	MY	MY	MY	MY
Filler Lot No.	-	MEM 75	2	5	20	10
Date of Filling	-	11/73	10/73	6/73	4/73	6/73
Remarks: — (incl. Secondary Component Data)						
For Re-lotted Ammunition: Previous Ammunition Lot No. was:—						

AMMUNITION DATA CARD — FIXED AND SEPARATE LOADING GUN AMMUNITION

(N1300/1/31)

UNCLASSIFIED

313/74—Introduction of Polythene Clutch Grips for Metal Badges

1. A polythene clutch grip fastener suitable for attaching metal badges to uniform clothing, is now available for repayment sale.
2. The service issuing price and description of the fastener are as follows:

DSN	Description	Price
8315-66-055-1310	FASTENER, CLUTCH GRIP, POLY-THENE	\$0.03 for 10
3. The metal grip fastener, Catalogue No 10689, will remain available at the revised price of \$0.06 for 10.
4. Requirements of either item may be demanded from Royal Edward Victualling Yard, Depot Code 0124.

(1/8455/48)

UNCLASSIFIED

314/74—Synthetic Cordage—General Fleet Use

1. Synthetic fibre ropes were first introduced into service use in 1963, for use as berthing lines, tow lines, and boats falls. Since then, the performance, durability and appearance of these ropes has been good, and it has been decided to further extend the use of these ropes in general Fleet use. For certain services, composite steel/terylene ropes have been adopted as berthing lines where strength/size/weight ratio is important.
2. Details of the cordage types and sizes to be used by ships and submarines are shown in at attached Table 1. Rigging Warrants are to be amended to accord with this table. Attention is drawn to special requirements applying to patrol boats operating in the North Australia Area.
3. Synthetic fibre ropes have better handling qualities, longer life and a much greater ability to absorb shock loading than natural fibre and steel wire ropes. Their abrasion resistance is greater than those made of natural fibre; they are not weakened by mildew or rot, and therefore need no preservative treatment and may be stowed in a wet condition.
4. Care should be taken to avoid rough or sharp edges on working surfaces, and bollard, fairlead and reel sizes should be compatible with the size of cordage used. Slight fuzzing of the surface filaments occurs in the early stages of use of these ropes; however, this causes no loss of strength as the fluffed filaments form a protection for the inner fibres. Synthetic cordage is subject to kinking (crows feet) and care should be taken under reeling to avoid kinks. In addition synthetic cordage is susceptible to ultra violet light degradation and when not in use should be wherever possible covered from direct sunlight. Uses of sizes larger than specified is to be avoided due to bollard, fairlead and reel capacity limitations.
5. To obtain full advantage in the use of this type of rope, correct splicing is most important. Due to the large number of filaments in each yarn and their smoothness extra care is necessary during splicing to preserve the natural lay of the yarns and strands. Each lay should be taped or whipped before splicing, passed five times and the cut ends secured by whipping or with tape. The splicing of eight strand plait ropes is to be in accordance with the makers recommendations and ships staff should seek instruction if necessary by trained dockyard personnel.

6. New construction ships are only to be fitted with cordage in accordance with the Table 1. Natural fibre and RH lay synthetic cordage will be issued to other ships until stocks are exhausted then issue of new type cordage will be made. Hawsers and cordage at present held are to be retained until unserviceable.
7. RAN Cordage Policy—Table 1—is to be adhered to until the process of metrification has been carried out, whence a new Navy Order will be promulgated.
8. Navy Order 332/71 is hereby cancelled.

ANNEXE A

Table No 1

RAN Cordage Policy (Ships and Submarines)

314/74

Rope Function	Ships							Remarks
	MELBOURNE, SUPPLY, STALWART AOE	DDGs	Darings, Type 12 DEs, DIAMANTINA, MORESBY, Oceanographic Ship, DDLs	MCM Ships, Hydrographic Ship, LCHs	KIMBLA	Patrol Boats TRVs Diving Tenders	BASS, BANKS	
Towing Hawser	8" Sq. Rope 8 Strand Plaited Nylon with Galvd. End Links	7" Sq. Rope 8 Strand Plaited Nylon	7" Sq. Rope 8 Strand Plaited Nylon	4 1/2" Sq. Rope 8 Strand Plaited Nylon	4 1/2" Sq. Rope 8 Strand Plaited Nylon	3" Hawser Laid Nylon (4 1/2" for North Aust. Area) Patrol Boats	3" Hawser Laid Nylon	
Harbour Tug Ropes	8" Sq. Rope 8 Strand Plaited Nylon with 3 1/2" ESFSWR Ends	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	MELBOURNE: without Thimbles
Head, Stern and Breast Ropes	8" Hawser Laid Terylene	5" Composite Steel/Terylene	5" Hawser Laid Terylene	3 1/2" Hawser Laid Terylene (Hydrographic) 3" Hawser Laid Terylene (MCM) (LCH)	2 1/2" Composite Steel/Terylene	2 1/2" Hawser Laid Terylene (4" for North Aust. Area) Patrol Boats	3" Hawser Laid Terylene	RAN Oberons 4" HL Terylene
Springs	5" Composite Steel/Terylene	5" Hawser Laid Terylene	5" Hawser Laid Terylene	3 1/2" Hawser Laid Terylene (Hydrographic) 3" Hawser Laid Terylene (MCM) (LCH)	2 1/2" Composite Steel/Terylene	2 1/2" Hawser Laid Terylene	3" Hawser Laid Terylene	RAN Oberons 4" HL Terylene
Picking Up Rope	8" Hawser Laid Terylene	5" Hawser Laid Terylene	5" Hawser Laid Terylene	3 1/2" Hawser Laid Terylene	3 1/2" Hawser Laid Terylene	3" Hawser Laid Terylene	3" Hawser Laid Terylene	RAN Oberons 3" ESFSWR

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Towing Messenger	3" Sq. Rope (8 Strand Plait) Polypropylene	3" Sq. Rope (8 Strand Plait) Polypropylene	3" Sq. Rope (8 Strand Plait) Polypropylene	Not Required	Not Required	Not Required	Not Required	Colour: Green
Boom Boat Ropes	3 1/2" Hawser Laid Terylene	3 1/2" Hawser Laid Terylene	3 1/2" Hawser Laid Terylene	3 1/2" Hawser Laid Terylene	3 1/2" Hawser Laid Terylene	Not Required	Not Required	
Awning Tackles	Hawser Laid Terylene	Hawser Laid Terylene	Hawser Laid Terylene	Hawser Laid Terylene	Hawser Laid Terylene			
Boats Falls		Motor Cutters and Whalers		2" Terylene	Others ESFSWR (GALVD)			
Safety Nets	Hawser Laid Nylon	Hawser Laid Nylon	Hawser Laid Nylon	Hawser Laid Nylon	Hawser Laid Nylon			
Boats Foul Weather Pendants	Hawser Laid Nylon	Hawser Laid Nylon	Hawser Laid Nylon					
Recovery of Personnel from Sea—								
Recovery Line	1 1/8" Braided Terylene	1 1/8" Braided Terylene	1 1/8" Braided Terylene	1 1/8" Braided Terylene				
Swimmer Safety Line	1/2" Braided Terylene	1/2" Braided Terylene	1/2" Braided Terylene	1/2" Braided Terylene				
Diving Life-Line	1 1/8" Braided Terylene	1 1/8" Braided Terylene	1 1/8" Braided Terylene	1 1/8" Braided Terylene	1 1/8" Braided Terylene	1 1/8" Braided Terylene	1 1/8" Braided Terylene	
Hose Lines	2 1/2" Hawser Laid Terylene							MELBOURNE, SUPPLY
Personnel Jack Stay Lines	4" Hawser Laid Manila	4" Hawser Laid Manila	4" Hawser Laid Manila	4" Hawser Laid Manila	4" Hawser Laid Manila	4" Hawser Laid Manila	4" Hawser Laid Manila	All Ships
RAS—								
Distance Lines	1 1/8" Hawser Laid Terylene	1 1/8" Hawser Laid Terylene	1 1/8" Hawser Laid Terylene	1 1/8" Hawser Laid Terylene	1 1/8" Hawser Laid Terylene	1 1/8" Hawser Laid Terylene	1 1/8" Hawser Laid Terylene	All Ships
Messengers	1 1/8" Hawser Laid Terylene	1 1/8" Hawser Laid Terylene	1 1/8" Hawser Laid Terylene	1 1/8" Hawser Laid Terylene	1 1/8" Hawser Laid Terylene	1 1/8" Hawser Laid Terylene	1 1/8" Hawser Laid Terylene	All Ships
Gun Line Messengers	1 1/2" Hawser Laid Terylene	1 1/2" Hawser Laid Terylene	1 1/2" Hawser Laid Terylene	1 1/2" Hawser Laid Terylene	1 1/2" Hawser Laid Terylene	1 1/2" Hawser Laid Terylene	1 1/2" Hawser Laid Terylene	All Ships

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314/74

ANNEXE A—continued

Rope Function	Ships								Remarks
	MELBOURNE, SUPPLY STATION AOE	DDGs	Darings, Type 12 DES, DIAMANTINA, MORESBY, Oceanographic Ship, DDLs	MCM Ships, Hydrographic Ship, LCH	KIMBLA	Patrol Boats TRVs Diving Tenders	BASS BANKS		
RAS—continued In Haul/Out Haul	Hawser Laid Terylene	Hawser Laid Terylene	Hawser Laid Terylene	Hawser Laid Terylene	Hawser Laid Terylene	Hawser Laid Terylene	Hawser Laid Terylene	No 7 Hemp or Flax	—
Twine (General Use)	No 7 Hemp or Flax	No 7 Hemp or Flax	No 7 Hemp or Flax	No 7 Hemp or Flax	No 7 Hemp or Flax	No 7 Hemp or Flax	No 7 Hemp or Flax	No 7 Hemp or Flax	—
Signal Halyards— Ensign and Jack Staff	$\frac{3}{4}$ " Hawser Laid Terylene	$\frac{3}{4}$ " Hawser Laid Terylene	$\frac{3}{4}$ " Hawser Laid Terylene	$\frac{3}{4}$ " Hawser Laid Terylene	$\frac{3}{4}$ " Hawser Laid Terylene	$\frac{3}{4}$ " Hawser Laid Terylene	$\frac{3}{4}$ " Hawser Laid Terylene	$\frac{3}{4}$ " Hawser Laid Terylene	—
Yards and Mast	$1\frac{1}{4}$ " Hawser Laid Terylene	$1\frac{1}{4}$ " Hawser Laid Terylene	$1\frac{1}{4}$ " Hawser Laid Terylene	$1\frac{1}{4}$ " Hawser Laid Terylene	$1\frac{1}{4}$ " Hawser Laid Terylene	$1\frac{1}{4}$ " Hawser Laid Terylene	$1\frac{1}{4}$ " Hawser Laid Terylene	$1\frac{1}{4}$ " Hawser Laid Terylene	—
Aircraft Crash Barrier Nets	Nylon Webbing	—	—	—	—	—	—	—	—
Dan Buoy Mooring Pendants	GSWR or Hawser Laid Terylene	GSWR or Hawser Laid Terylene	GSWR or Hawser Laid Terylene	GSWR or Hawser Laid Terylene	GSWR or Hawser Laid Terylene	GSWR or Hawser Laid Terylene	GSWR or Hawser Laid Terylene	—	—
High Speed Target Tow Lines	Cross Braided Polypropylene	—	—	—	—	—	—	—	To be supplied with Target
Dressing Ship Lines— Jackstay	ESFSWR	ESFSWR	ESFSWR	ESFSWR	ESFSWR	ESFSWR	ESFSWR	—	—
Flag Lines	HL Nylon	HL Nylon	HL Nylon	HL Nylon	HL Nylon	HL Nylon	HL Nylon	—	—

(1/4020/9)

(Navy Order 332/71)

UNCLASSIFIED

315/74—100 Foot Patrol Boats—Paxman 16YJM Main Engines—
Fire Hazard

1. Recent incidents, in which oil spillage from main engine turbo blowers soaked into lagging on exhaust manifolds, have resulted in engine room fires when the exhausts became heated.

2. Ships staffs are warned to exercise care, when filling or 'topping up' turbo blower sumps, to prevent oil spillage. If a spillage occurs any surplus oil is to be thoroughly wiped away before the lagging becomes oil soaked.

3. In cases where lagging has already become oil soaked, immediate action is to be taken to have the lagging renewed.

(215/6/42)

AMENDMENTS

UNCLASSIFIED

**316/74—HMA Ships (Excluding Submarines and HMAS SUPPLY)—
Marking of Pipes and Gear Rods**

Navy Order 52/74 is to be amended as follows:

Annex A—'ARROWS'

delete '7690 66-014-0503'
insert '9905 66-048-0503'.

(N1211/51/943)

(Navy Order 52/74)

UNCLASSIFIED

**317/74—Introduction of the Chemical Light Stick and Adaptor for
Night Line Throwing**

Navy Order 111/73 is to be amended as follows:

Paragraph 4—Issue Procedure:

Delete SLSO Sydney (Source Code 0094).
Insert SGSO Sydney (Source Code 0027).

(714/51/311)

(Navy Order 111/73)

UNCLASSIFIED

318/74—Travel to Papua New Guinea

Navy Order 234/74 is to be amended by *deleting Paragraph 3* and *inserting new Paragraph 3:*

'3. 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 addressees are:

- a. Correspondence .. PNG Secretariat, Department of Defence,
CANBERRA, ACT 2600
- b. signals DEFENCE CANBERRA.

(N522/1/3)

(Navy Order 234/74)

AMENDMENTS

UNCLASSIFIED

11713-1314 (Transit Schedule and Other Rules)
Schedule of Trans and Other Rules

Approved by the Board of Directors

James A. [Name]

Chairman, Board of Directors

1934

11713-1314

1934

UNCLASSIFIED

11713-1314 (Transit Schedule and Other Rules)
Schedule of Trans and Other Rules

Approved by the Board of Directors

James A. [Name]

Chairman, Board of Directors

1934

11713-1314

1934

UNCLASSIFIED

11713-1314 (Transit Schedule and Other Rules)

Approved by the Board of Directors

The Department of Transit, California, is to be included in the
amendment to the Constitution and other amendments to the
Constitution of the State of California, Department of Transit, and
the various other amendments, the amendments and other amendments
to the Constitution of the State of California, Department of Transit,
California, Act 1934

CALIFORNIA, ACT 1934

DEPARTMENT OF TRANSIT

1934

11713-1314

1934

DN LS

RESTRICTED

ANOs 319/74-333/74



AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
1 November 1974.

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.*

RESTRICTED

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

319/74—Commissioning—HMAS BALIKPAPAN

The following commissioning has been effected:

HMAS BALIKPAPAN—27 September 1974.

(1211/51/872)

UNCLASSIFIED

320/74—Documents Found in Security Containers and Office Furniture

1. The necessity for carrying out a check on security containers and office furniture before their return to store is laid down in ABR 337 'Instructions for the Physical Security in the RAN, Vol 1' Article 06034.

2. It is also considered a matter of good administrative practice and certainly good security to check periodically that no documents are caught up and mislaid inside or behind containers and office furniture. Commanding Officers of HMA ships and establishments and heads of civil establishments are to arrange for such periodic checks to be carried out.

3. Navy Order 359/71 is hereby cancelled.

(1617/6/154)

(Navy Order 359/71)

UNCLASSIFIED

321/74—Training Committee Program 1975

1. With reference to ABR 27 Volume 2 Article 0133, the Training Committee will visit the following establishments and HMA Fleet in 1975 on the dates shown:

HMAS NIRIMBA	..	25-26 March
HMAS KUTTABUL	..	27 March
HMAS HARMAN	..	23 April
HMAS ALBATROSS	..	11-13 June
HMAS CRESWELL	..	July
HMAS LEEUWIN	..	August
HMAS WATERHEN	..	September
HMAS CERBERUS	..	October
HMA FLEET	..	November/December (as convenient to the Flag Officer Commanding HMA Fleet).

2. Actual dates for the visits in the second part of the year will be advised direct to the Administrative Authorities and establishments concerned.

3. Navy Order 342/73 is hereby cancelled.

(42/22/735)

(Navy Order 342/73)

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Section 2**PERSONNEL**

UNCLASSIFIED

322/74—Application of Victorian Stamps Act 1967

1. The provisions of the Victorian Stamps Act 1967 are not applicable to the pay and allowances of members of the Australian Armed Forces who are posted for duty in Victoria.

2. Navy Order 391/71 is hereby cancelled.

(271/1/70)

(Navy Order 391/71)

Section 4**EQUIPMENT, STORES AND SERVICING**

UNCLASSIFIED

**323/74—Ammunition—Demolition Stores—Detonator Electric—
Identification**

1. A number of Electric Detonators, No 82, have been manufactured with white instead of yellow leads and cannot therefore be so readily distinguished from Electric Detonators, No 79, as indicated in BR 1836 (Demolition Drill Book), Chapter 2, Paragraphs 29 and 30 and Figures 7 and 8.

2. Users are to verify, by means of the marking on the container and by inspection of the detonator, that the correct detonator has been selected. No 79 has a concave end, No 82 a flat end.

3. Navy Order 439/71 is hereby cancelled.

(715/51/427)

(Navy Order 439/71)

RESTRICTED

324/74—Boilers—River Class Destroyer Escort Boiler Register Fuel Hoses

1. A new type flexible fuel register hose, 4720-66-081-6022 HOSE ASSEMBLY, NON-METALLIC, FLEXIBLE FUEL, BOILER REGISTER, in accordance with Navy Office Drawing MAB-3-600 Rev 3, has been introduced for use in River Class Destroyer Escorts. This supersedes the previous register fuel hose type AOF 69 and all other register hoses such as AOF 67 and A1128 hoses.

2. The maintenance of boiler front flexible fuel hoses is a matter of great importance since the useful working life of a hose largely depends on the installation and treatment received during service. Instructions on the layout and fixing of hoses are as follows:

- a. on installation the hose must be free from any form of tension and the radius of bending must not be less than seven inches;
- b. advancing and retracting the burner body must not involve a twist in the hose nor a bend of less than seven inches radius.

3. Implementation of these requirements, in many instances, is made difficult by the disposition of the oil coupling sprayer valves on the boiler front. Mal-alignment and/or poor positioning of oil coupling sprayer valves is to be rectified by defect action at the earliest opportunity.

4. Twisting of the hoses on advancing or retracting the burner body can be reduced to a minimum or eliminated by arranging the layout as follows. Before coupling up the fuel hose ensure that the burner body fuel connection is directed towards the oil coupling sprayer valve hose connection, ie, the plane containing the centreline of the burner body passes through the centre of the valve discharge stub. Lock the burner body at this angle.

5. New hoses have an interrupted yellow line along their length. This line is to be renewed if unclear or obliterated and will show whether or not the hose is subjected to torsion.

6. Failures in service can be attributed to one or more of the following defects:

- a. hoses bent to a radius smaller than seven inches either through bad installation or maltreatment;
- b. twisting of the hose through poor initial boiler front installation or hose setting up and fitting;
- c. damage to the hose caused by an external blow or by it being used as an anchor or lever; or
- d. incorrect hose in use.

7. Subsequent to the manufacturer's test of a sustained application of twice the working pressure, inservice pressure tests are not required for River Class DE boiler front hoses. Weekly visual checks are necessary, supplemented by periodic more detailed examinations of the hoses requiring the removal of the hoses from the boiler front.

8. For further details regarding River Class DEs boiler front hoses refer to BR 3109 Chapter 7 (Change No 6).

9. Demands for these hoses are to be forwarded to Superintending General Store Officer, Sydney (Depot Code 0027), who will arrange issue.

(1205/258/45)

UNCLASSIFIED

325/74—Electrical Stores—Precision Aneroid Barometers**Introduction**

1. The purpose of this Navy Order is to promulgate allowances of the precision aneroid barometer, and instructions for its use.

Description

2. The items concerned are:

Class	Catalogue No	Description	Acctg Classn	Remarks
0552	160232	BAROMETER, PRECISION ANEROID	P	Mk. 1 Type M1991 Obsolescent
0552	521-5438	BAROMETER, PRECISION ANEROID	P	Mk. 2 Met. Office Ref. 20000
0552	20003	CAP, DAMPING FOR BAROMETER ANEROID	C	For marine use only
6135	66-015-0245	BATTERY 30V	C	Required for Mk. 1 only
6135	66-014-3453	BATTERY 1.5V	C	Required for Mk. 1 and Mk. 2

Allowances

3. Allowances of precision aneroid barometer are detailed in Annexe A to this Navy Order.

Issue Procedures

4. Demands to complete to the revised allowances are to be raised by HMA ships and HMAS ALBATROSS on the Superintending Electrical Store Officer, Sydney (Depot Code 0094), who will arrange supply as stocks become available. On receipt of the new item, 6660-99-461-9302 BAROMETERS, MERCURIAL (previously 0552-512), are to be returned to store.

Operating Procedures

5. The precision aneroid barometer has an accuracy comparable to the mercury barometer it replaces but correct procedures for reading and checking must be followed. RAN instructions are contained in a pamphlet obtainable direct from the Senior Meteorological Officer, RAN Air Station, NOWRA.

Other Types of Barometers

6. The 6660-99-461-9298 (previously 0552-502) CLOCK TYPE ANEROID BAROMETER, will continue to be supplied for use in ships and shore establishments and the 6660-99-461-9302 MERCURIAL BAROMETER (previously 0552-512) will continue to be supplied to shore establishments other than RAN Air Station.

**ANNEXE A
Allowances of Precision Aneroid Barometer**

Ship/Establishment	0552/160232 or 0552-521-5438		0552 200003
MELBOURNE (see Note 1)	2	2	2
STALWART
SUPPLY
MORESBY
FLINDERS
DDGs
DARINGS
DEs
DIAMANTINA
ALBATROSS (see Note 2)	3	1	1

Notes: 1. One for Fleet checks.
2. One for Meteorological School, one spare.

(1/6660/19)

UNCLASSIFIED

**326/74—Machinery—General—Three Quarter Inch CLAM
Thermodynamic Steam Traps—Introduction into the RAN**

1. CLAM thermodynamic steam traps, three quarter inch nominal bore, have been introduced into the RAN as the standard steam trap. The CLAM steam traps are to replace existing mechanically or thermally operated steam traps as they become beyond economical repair.

2. The CLAM steam traps in the following ranges are available from SMSO, Sydney, on demand for fitting where specified:

Stock Number	Series	Working Pressure	Temp	Max LB/HR Condensate at 15° F Temp Differential
4730-66-063-8751	150N	150 psi	650°F	3,400
4730-66-072-6754	150N(W)	150 psi	650°F	3,400
4730-66-063-8752	600N	600 psi	750°F	4,300
4730-66-072-6755	600N(W)	600 psi	750°F	4,300
4330-66-063-8753	1,500N	1,500 psi	1,100°F	3,100
4730-66-063-8754	1,500N(W)	1,500 psi	1,100°F	3,100

The standard series listed above have a replaceable valve and insert seat to suit the steam conditions and are of the following construction:

- a. Series 150N, 600N and 1500N Forged steel flange construction with flanges to ASA 150, 600 and 1500 flat face undrilled.
- b. Series 150N (W), 600N (W) and 1500N (W) Forged steel construction with female socket ended connections suitable for welding to three quarter inch bore pipes. Sockets are to be ASA B16.11.

3. On-board allowances of spare parts for each class of ship are indicated at Annex A and demands for requirements are to be placed with SMSO, Sydney (Depot Code 0051).

4. Steam traps on galley, laundry and space heating equipment (small capacity, thermostatic or similar with screwed ends) which are usually supplied as part of the unit have not been included in the above as it is considered that the cost and work involved does not warrant replacement.

5. Removed steam traps are to be returned to SMSO, Sydney, for survey.

6. Navy Order 368/73 is hereby cancelled.

ANNEXE A
Allowances of On-board Spare Steam Traps and Parts for HMA Ships

Class	Catalogue No	Description	Part No	Acc'ty Classification	Unit of Issue	MELBOURNE	STALWART	SUPPLY	DGs	DGs (less Duckets)	Des
4730	66-063-8751	TRAP STEAM	150N	C	EA	1	1	1	1	—	1
4730	66-072-6754	TRAP STEAM	150N(W)	C	EA	—	—	—	1	—	—
4730	66-063-8752	TRAP STEAM	600N	C	EA	1	—	1	1	—	—
4730	66-072-6755	TRAP STEAM	600N(W)	C	EA	—	—	—	1	—	—
4730	66-063-8753	TRAP STEAM	1,500N	C	EA	—	—	1	—	—	—
4730	66-063-8754	TRAP STEAM	1,500N(W)	C	EA	—	—	—	1	—	—
4730	66-063-8755	STRAINER ELEMENT, SEDIMENT	SE1	C	EA	7	3	6	23	4	3
4730	66-063-8756	VALVE ASSEMBLY, STEAM TRAP 150N	D2	C	EA	2	3	2	9	—	1
4730	66-063-8757	VALVE ASSEMBLY, STEAM TRAP 600N	G2	C	EA	5	—	1	6	—	—
4730	66-063-8758	VALVE ASSEMBLY, STEAM TRAP 1,500N, 1,500NW	J3	C	EA	—	—	3	8	—	2
5330	66-063-8777	GASKET, INNER BODY	G13	N	EA	7	3	6	23	4	3
5330	66-063-8778	GASKET, OUTER BODY	G14	N	EA	7	3	6	23	4	3
5330	66-063-8779	GASKET, COVER	G15	N	EA	7	3	6	23	4	3
5330	66-063-8780	GASKET	G48	N	EA	7	3	6	23	4	3
5306	66-044-1697	BOLT, MACHINE FOR 150N	—	N	EA	2	8	5	30	—	3
5307	66-064-0806	STUD, PLAIN FOR 600N	HD11	N	EA	20	—	3	20	—	—
5307	66-064-0807	STUD, PLAIN FOR 1,500N, 1,500NW	HD12	N	EA	—	—	12	28	16	6

(1211/51/925)

(Navy Order 368/73)

UNCLASSIFIED

327/74—Protective Clothing—Introduction of Fearnought Coveralls

1. The following item has been introduced for service in the RAN:

Class	Catalogue No	Description	Unit of Issue	Acctg Classn
8415	66-074-6602	COVERALLS, FEARNOUGHT, Size 1	EA	P
8415	66-074-6603	COVERALLS, FEARNOUGHT, Size 2	EA	P
8415	66-074-6604	COVERALLS, FEARNOUGHT, Size 3	EA	P
8415	66-074-6605	COVERALLS, FEARNOUGHT, Size 4	EA	P

2. The one piece coverall has been introduced for general firefighting duties in the RAN to replace V4-40562-64 COAT, FIREMAN'S, FEARNOUGHT and V4-42096-98 TROUSERS, FIREMAN'S, FEARNOUGHT.

3. Stocks of coats and trousers at present held in ships and establishments are to be replaced only when unserviceable. Replacement coveralls should be demanded from the Superintending Victualling Store Officer, Sydney (Depot Code 0124).

4. Appropriate scales of issues are laid down in ABR 93, Part II (Scales), Section 5, Scale 1 (d).

(917/90/71)

UNCLASSIFIED

328/74—Supply of Canned Tomato Products to RAN Ships and Establishments

1. Only limited quantities of tomatoes were produced during the 1974 canning season, and the quantities of canned tomatoes and canned tomato paste in 30 oz (A2½) cans that were available to the Services fell short of actual requirements.

2. The following additional items have been introduced to supplement those normally stocked:

Class	Catalogue No	Description	Unit of Issue	Acctg Classn
8915	66-072-7288	TOMATOES, CANNED (A10 can) ..	CN	C
8915	66-079-8644	TOMATO PASTE (A10 can) ..	CN	C
8915	66-028-0094	TOMATO PUREE (A10 can) ..	CN	C

Stocks of these items are held at Royal Edward Victualling Yard, Sydney, and will be issued against authorised demands.

3. Tomato puree contains only 8 per cent solids, whereas tomato paste has 24 per cent. Demands for puree, when required as a substitute for paste, are to be regulated accordingly.

(6/8915/25)

UNCLASSIFIED

329/74—Victualling Stores—Miscellaneous—Manufacture of Textile Items—Curtains, Overcases and Tablecloths

1. Textile items, curtains, overcases and tablecloths to specific measurements are normally manufactured by dockyards or by contract and such requirements cannot be met from stock.

2. The tablecloths referred to above are distinct from the linen, cotton or plastic tablecloths normally held in stock at the Royal Edward Victualling Yard.

3. Overseers, ships and establishments should take into consideration the time required for making up when demanding these items and should inform the Superintending Victualling Store Officer of their requirements as far in advance as possible.

4. Navy Order 422/71 is hereby cancelled.

(400/70/71)

(Navy Order 422/71)

UNCLASSIFIED

330/74—120 Foot Motor Lighters—Double Bottom Compartments

1. The double bottom compartments in the 120 foot motor stores, fresh water or refrigerated lighters, are not to have water introduced into them at any time.

2. Although means are provided for pumping these compartments out, they are not accessible for cleaning and painting and should therefore be kept empty.

3. Navy Order 376/71 is hereby cancelled.

(1275/68/19)

(Navy Order 376/71)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

331/74—Publication Series Managed by Executive Officer—Publications, and Distributing Authority, Melbourne

1. The purpose of this Navy Order is to advise ships, establishments and authorities of the division of responsibility for publication series managed by Executive Officer Publications (EO-PUBS), Garden Island, Sydney, and Distributing Authority, Melbourne (DA (M)).

2. Annexe A lists those publications which are the responsibility of EOP.

3. Annexe B lists those publications which are the responsibility of DA (M).

4. It should be noted that security classification is no longer a qualifying factor in determining the area of responsibility. Management of publications is assigned solely on a series basis.

5. Requisitions for publications are to be submitted in accordance with Navy Order 236/74.

ANNEXE A

List of Publications Series Managed by Executive Officer Navy Publications Authority,
Garden Island
(EO-PUBS)

AAP ..	Australian Air Publication	NAVTRA..	Naval Training Support Command (US Navy)
ABR ..	Australian Book of Reference		
AP(N) ..	Air Publication (Naval)	NA	Naval Air Systems Command (US Navy)
APL ..	Allowance Parts List	(NAVAIR)	
APRAN ..	Air Publication, RAN	NS	Naval Ships Systems Command (US Navy)
AP ..	Air Publication	(NAVSHIP)	
ASO ..	Aviation Supply Office (US Navy)	NTD ..	Naval Training Document (US Navy)
AVP ..	Avionic Publication (MOD-N)	NUSC ..	Naval Underwater Systems Center (US Navy)
BRCN ..	Book of Reference, Canadian	NZBR ..	New Zealand Book of Reference
BR ..	Book of Reference	OD ..	Ordnance Data
BUSHIPS ..	Bureau of Ships (US Navy)	OP ..	Ordnance Pamphlet
CAT H/B ..	Cataloguing Handbook	PA-PE	Periodicals
DL ..	Dental Library (Aust Navy)	incl.	
DSAHBK ..	Defence Supply Agency Handbook (US)	PIL ..	Parts Identification List
DWA ..	} Dept Supply (Aust)	RANAL ..	RAN Allowance List
DWB ..		RANAMO	RAN Air Maintenance Order
EDUC ..	Education Textbooks	RANSAL ..	RAN Stores Allowance List
ELIST ..	Establishment List	RMB ..	Retrospective Modification Booklet
ESL ..	Establishment Stores List	TB ..	Technical Bulletin (US Army)
ESO ..	Electronics Supply Office (US Navy)	TEM ..	Technical Equipment Manual (Aust Navy)
GWESS ..	Guided Weapons Equipment & Spares Schedule (MOD-UK)	TO ..	Technical Orders (US Air Force)
HS748 ..	HS748 Aircraft	TP (incl.	Technical Publication
IPB ..	Illustrated Parts Breakdown	DGS/TP)	(MOD-N)
JSP (and AS Series)	Joint Services Publications	UW54D ..	Underwater Equipment and Spares List (MOD-N)
MBR ..	Miscellaneous Book of Reference (Aust Navy)	WAP ..	Westland Air Publication (UK)
MET ..	Meteorological Publication	WD ..	Weapons Document (US Navy)
MISC PUB	Miscellaneous Publication (will supersede MBR Series)	NAVEXOSP	Navy Executive Offices of the Secretary (US Navy)
ML ..	Medical Library (Aust Navy)	NAVFAC..	Naval Facilities Engineering Command (US Navy)
NAVDOCK	Naval Dockyards (US Navy)	NAVMAT	Office of Navy Material Publications (US Navy)
NAVELEX	Naval Electronics Systems Command (US Navy)	WR ..	Work Requirement (US Army)
NAVMED	Bureau of Medicine and Surgery (US Navy)	WS ..	Weapons Specifications (US Navy)
NAVORD..	Naval Ordnance Systems Command (US Navy)	7610 ..	Stock Class for Books and Pamphlets (Aust Army)
NAVPERs	Bureau of Naval Personnel (US Navy)		
NAVSUP ..	Naval Supply Systems Command (US Navy)		

ANNEXE B

List of Publications Series Managed by Navy Distributing Authority, Melbourne
(DA-M)

1. Communications Publications		3. Tactical Reference Publications	
ACP ..	Allied Communication Publication	These include Tactical Reference Manuals and related TACAIDS (Tactical Airborne information documents).	
AID ..	Australian Inter-Departmental	—	Carrier Air ASW Tactical Reference Manual
AIS ..	Australian Inter-Service Series (American Publications)	—	VS TACAID
AKA ..	Australian Military Document	—	HS TACAID
AMD ..	Allied Military Security Publication	—	Fleet Air Tactical Reference Manual
AMSP ..	Australia/New Zealand	—	VP TACAID
ASNZ ..	British Inter-Departmental	—	ASAC Handbook
BID ..	British Inter-Service	—	ASAC Manual (CVS)
BIS ..	British Royal Navy	—	ASAC Manual (FAW)
BRN ..	Combined Signal Publication	—	Shipboard Platform for Landing and Servicing Helicopters (SPLASH)
CSP ..	Director of Naval Communications	4. Charge Books (now Registered Publications)	
DNC ..	Joint Army-Navy-Air Force Publication	ACB ..	Australian Charge Book
JANAP ..	Royal Australian Navy	CB ..	Charge Book
RAN ..	Royal Navy Charge Publication	5. Other	
RNCP ..	SEATO Military Security Publication	AJTP ..	Australian Joint Tactical Publication
SMSP ..	New Zealand Navy	COMBEXAG	Combined Exercise Agreement
ZRN ..		FOSMCD..	Flag Officer, Submarines, Charge Document
2. COMTAC Series Publications		KAB ..	Installation Instruction, Crypto Equipments
AAP ..	Allied Administrative Publication	KAM ..	Maintenance Manual, Crypto Equipment
ACP ..	COMTAC publication but listed under Communication Publications	SEAP ..	SEATO Publications
AEP ..	Allied Equipment Publication	WFCD ..	Western Fleet Charge Document
AHP ..	Allied Hydrographic Publication	6. Intelligence Publications	
ALP ..	Allied Logistic Publication	DJSI ..	Defence Joint Services Intelligence (Australia)
AMP ..	Allied Mining Publication	JIB ..	Joint Intelligence Bureau
ATP ..	Allied Tactical Publication	NIR ..	Naval Intelligence Report (MOD-UK)
AXP ..	Allied Exercise Publication	NID ..	Naval Intelligence Division (MOD-UK)
DNC ..	COMTAC publication but listed under Communication Publication	NISUM ..	Naval Intelligence Summary (MOD-UK)
FXP ..	Fleet Exercise Publication	ONI ..	Office of Naval Intelligence
JANAPS ..	COMTAC publication but listed under Communication Publication	PIB ..	Photographic Intelligence Brief
NWIP ..	Naval Warfare Information Publication		
NWP ..	Naval Warfare Publication		

(465/61/228)

UNCLASSIFIED

332/74—RAN Catalogue of Materiel—Re-identification of a Service Stock Number to More Than One Defence Stock Number

1. The following items currently held under one Stock Number have been re-identified by two Stock Numbers:

Old Stock No.	Description	CL	UI
a. 3110MS MSTA-104-SK	BEARING SET	C	SE
b. 3110MS LE4	BEARING BALL	C	EA

New Stock No.	Description	CL	UI
a. 3110 66-073-2878	BALL BEARING ANNULAR ..	C	EA
a. 3110 66-073-2888	ROLLER BEARING JOURNAL	C	EA
b. 3110 66-073-2850	BEARING BALL, ANNULAR	C	EA
b. 3110 66-073-2851	BEARING BALL, ANNULAR..	C	EA

2. Stock holdings, store accounts and records are to be adjusted accordingly quoting this Navy Order as authority.

3. Navy Order 227/74 is hereby cancelled.

(400/67/725)

(Navy Order 227/74)

AMENDMENTS

UNCLASSIFIED

333/74—Training and Promotion of Junior Officers of the General List

1. Navy Order 202/73 is to be amended as follows:

delete Paragraphs 65-70 and insert new Paragraphs 65-70:

Operations and Weapons Courses

65. Junior Officers (Seamen and Supply) undertake professional courses in the United Kingdom over approximately 5½ months. Subjects covered are:

	Length (Days)	Maximum Marks	Seniority in weeks	
			First Class	Second Class
Navigation and Bridgework	30	1,000	9	4½
Frigate	9	450	3	1½
Warfare Acquaint	31	500	4	2
NBCD	8	300	3	1½
Divisional and Management	10	450	3	1½
Supply Acquaint	5	—	—	—
Air Acquaint	10	300	2	1
S/M Acquaint	3	—	—	—
Total		3,000	Maximum 24 weeks	seniority 12 weeks

66. Examinations are held on completion of each subject, other than Supply and Submarines. To pass an officer must obtain sixty percent of the marks shown in Paragraph 65 above (and in all sections of that subject).

67. Certificates will be awarded according to examination results, as follows:

First class .. 90 percent or over
 Second class .. 70 percent and over, but under 90 percent
 Third class .. 60 percent and over, but under 70 percent.

68. First and Second Class passes attract seniority awards as shown in Paragraph 65. A junior officer will incur the loss of one month's seniority for each subject failed. If a junior officer fails to obtain the overall pass mark, consideration will be given to his withdrawal from training.

69. A junior officer who fails a subject during OW Courses may be required, at Naval Board discretion, to take the subject again. Marks obtained in re-examination do not attract any time gained. Seniority loss will remain as that imposed in Paragraph 68.

UNCLASSIFIED

NAVY ORDER 506/71

Number of Marks

Number of Marks

Number of Marks

Number of Marks

Number of Marks

Number of Marks

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Number of Marks

70. The total of the seniority gained (Paragraph 65 refers) expressed in terms of weeks will be applied to the nearest half month. Weeks and half weeks will be converted into months as follows:

Weeks		Months	Weeks		Months
24	..	6	11	..	2½
23½	..		10½	..	
23	..	10	..		
22½	..	5½	9½	..	2
22	..		9	..	
21½	..	8½	..		
21	..	5	8	..	1½
20½	..		7½	..	
20	..	7	..		
19½	..	4½	6½	..	1
19	..		6	..	
18½	..	5½	..		
18	..	4	5	..	¾
17½	..		4½	..	
17	..	4	..		
16½	..	3½	3½	..	0
16	..		3	..	
15½	..	3	..		
15	..	3	2½	..	
14½	..		2	..	
14	..	1½	..		
13½	..	1	..		
13	..	½	..		
12½	..	0	..		
12	..	3	0	..	
11½	..		0	..	

Detailed results of OW examinations are to be reported to Navy Office.

General

2. Navy Order 506/71 is hereby cancelled having been incorporated above.

(312/3/199)

(Navy Orders 506/71 and 202/73)

RESTRICTED

STATE

11

The names of the persons (other than the persons named in the list) who were present at the meeting of the Board of Directors of the State of New York on the 11th day of May, 1933, are as follows:

NAME	ADDRESS	RESIDENCE	DATE
A	11
	12
	13
B	14
	15
	16
C	17
	18
	19
D	20
	21
	22
E	23
	24
	25
F	26
	27
	28
G	29
	30
	31
H	32
	33
	34
I	35
	36
	37
J	38
	39
	40
K	41
	42
	43
L	44
	45
	46
M	47
	48
	49
N	50
	51
	52
O	53
	54
	55
P	56
	57
	58
Q	59
	60
	61
R	62
	63
	64
S	65
	66
	67
T	68
	69
	70
U	71
	72
	73
V	74
	75
	76
W	77
	78
	79
X	80
	81
	82
Y	83
	84
	85
Z	86
	87
	88

Persons named in the list above are the persons who were present at the meeting of the Board of Directors of the State of New York on the 11th day of May, 1933.

(Copy of this list is being furnished to the Board of Directors of the State of New York.)

(1/2/3/1933)

DNLS

ANOs 334/74-339/74



AUSTRALIAN NAVY ORDERS

SECTION 3—PERSONNEL

- 334/74 Legal Training for Supply Officers
- 335/74 Sea and Water Issues
- 336/74 Service General Certificate of Emancipation
- 337/74 Uniform—No 129 (White Uniform)—Wearing of White Boot Covers

SECTION 4—EQUIPMENT, STORES

- 338/74 Transmission Devices and Safety Procedures for Transmitters and Victim Locators

Navy Office, Canberra,
5 November 1974.

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

UNCLASSIFIED

334/74—Legal Training for Supply Officers

1. The Navy will provide legal training for supply officers who are required to attend court-martial and supply officers who are required to attend court-martial as a result of the provisions of the Defence (Legal Services) Act 1974.

2. It is intended to amend the provisions of the Defence (Legal Services) Act 1974 to provide for the appointment of legal officers to attend court-martial and to provide for the appointment of legal officers to attend court-martial as a result of the provisions of the Defence (Legal Services) Act 1974.

CONTENTS

No Title

SECTION 2—PERSONNEL

- 334/74 Legal Training for Supply Officers.
- 335/74 Salt and Water Intake.
- 336/74 Services General Certificate of Education.
- 337/74 Uniform—No 5W (White Undress)—Wearing of White Bush Coat.

SECTION 4—EQUIPMENT, STORES AND SERVICING

- 338/74 Protection Devices and Safety Precautions for Pressure and Vacuum Gauges

AMENDMENTS

- 339/74 Medical, Hospital and Dental Treatment of Families of United Kingdom Personnel in Australia.

UNCLASSIFIED

335/74—Salt and Water Intake

1. It is intended to amend the provisions of the Defence (Legal Services) Act 1974 to provide for the appointment of legal officers to attend court-martial and to provide for the appointment of legal officers to attend court-martial as a result of the provisions of the Defence (Legal Services) Act 1974.

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

334/74—Legal Training for Supply Officers

1. The Naval Board have decided to continue to take measures to encourage young General List Supply Officers to study law and to qualify, by passing examinations set by the New South Wales Barristers Admission Board, for admission as barristers.

2. It is planned to select each year in December, at least one Lieutenant with between two and six years seniority. Officers selected will be required to enrol as students-at-law and to start studying law under the SVETS scheme.

3. When an officer has successfully completed approximately half the examinations he will be placed in a posting (eg, in the office of the Director of Naval Legal Services) regarded as particularly conducive to legal study.

4. Subject to approval from relevant authorities all officers successfully completing the Barristers Admission Board course will be given a period of six months, on full pay, in the chambers of an appropriate barrister or solicitor.

5. For the benefit of students-at-law, required text books are held in the Central Reference Library, HMAS WATSON, and may be drawn on loan by application to the Senior Instructor Officer of that establishment. Text books may also be borrowed from the library of the Director of Naval Legal Services.

6. Officers wishing to be considered for selection should apply through their Commanding Officers, who will forward applications to Department of Defence (Navy Office) through the normal channels. Special reports on Form PP101 are required, commenting specifically on suitability for legal study. Each report should bear a reference to the forwarding letter and be dispatched in accordance with the instructions in RI Article 1041. Forms PP101 are to reach Department of Defence (Navy Office) by 1 October.

7. In selecting officers for legal study preference will be given to those who have already enrolled as students-at-law and commenced their studies.

8. In order that special consideration can be given to future postings of Supply Officers studying law they are to report their progress every six months, on 31 May and 30 November to the Director of Naval Legal Services.

(311/4/20)

UNCLASSIFIED

335/74—Salt and Water Intake

1. In circumstances of severe heatstress, water deprivation is far more serious than salt deficiency. The chief disadvantage of salt tablets is that they may be taken, and usually are, with insufficient water.

2. Unacclimatised personnel (ie, new arrivals in the tropics and those working in a hot environment for the first time, or returning to such conditions after an absence) may require to supplement their dietary salt intake for a period of seven to fourteen days until acclimatisation is established.

3. As additional salt is best taken with meals when fluids are also consumed in quantity, the needs of unacclimatised personnel are best met by adding extra salt to meals. In conditions of very unusual or very severe heatstress, such as prolonged physical exertion at temperatures in excess of 38° C, extra salt intake between meals should be secured by adding salt to the drinking water in proportion of one teaspoonful to the gallon.

4. Acclimatised personnel, except when working under the most exceptional conditions, require about twenty pints of water per day and their salt requirements are taken care of by their normal dietary intake. Unacclimatised personnel should, therefore, regard this figure as a bare minimum, and supplementary salt and water should be taken as above.

5. Navy Order 414/71 is hereby cancelled.

(327/54/130)

(Navy Order 414/71)

UNCLASSIFIED

336/74—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 Forces serving in Australia or abroad so that such personnel may:

- qualify for commissioned rank in the Services;
- attain a recognised educational standard which will qualify them for more advanced studies through the various State educational authorities;
- become eligible for diploma courses under Civil Schooling; and
- be assisted in their resettlement in civilian vocations on completion of their service.

2. The Services General Certificate of Education (SGCE) was introduced in 1967 and is administered for the Australian Defence Forces by the Services Education Co-ordination Committee.

Educational Qualification 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 Navy Order 64/74.

Exemptions From the SGCE Examinations

4. RI Appendix 45A defines the various civilian educational standards which will be accepted as equivalent of the Services General Certificate of Education for purposes of promotion and for other purposes.

5. The award of exemptions will in no way qualify the applicant for the award of a certificate.

Range of Subjects

6. Subjects which are currently available in the SGCE Examination comprise:

- English
- Modern History
- Economics
- Geography
- Chemistry (*see Note 1*)
- Navigation
- Mathematics I } (*see Note 2*)
- Mathematics II }
- Modern Mathematics I } (*see Note 2*)
- Modern Mathematics II }
- Physics
- Asian History
- Social Studies

Notes: 1. Entry to the Chemistry examination is limited to candidates who have completed a practical laboratory course. A two-week course will be conducted annually at HMAS CERBERUS commencing on the first Monday in August. Nomination procedures are detailed in Paragraph 11 of this order.

2. Modern Mathematics I and II are alternatives to Mathematics I and II respectively and the alternative subjects are examined concurrently. It is intended to abolish Mathematics I and II in due course but such action will be deferred until there is a preponderance of candidates for Modern Mathematics. A minimum of twelve months notice will be given in this regard.

Examinations

7. Examinations in all subjects except Chemistry will be conducted biannually, normally in April and October. The Chemistry examination will be conducted annually in October. All examinations are of three hours duration. A current Navy Order details examination dates for each year.

Distribution of Examination Papers

8. Papers will be 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	200	15 60	2 2	5 5	5 2	2 2	2 2
Modern History	201	5	2	5	5	2	2
Economics	202	5	2	5	5	2	2
Geography	203	5 60	2 2	5 5	5 2	2 2	2 2
Chemistry	204	5	2	5	5	2	2
Navigation	205	5 60	2 2	5 5	15 2	2 2	2 2
Mathematics I	206	15 30	2 2	5 5	5 2	2 2	2 2
Mathematics II	207	5	2	5	5	2	2
Physics	208	15 60	2 2	5 5	5 2	2 2	2 2
Asian History	209	5	2	5	5	2	2
Modern Mathematics I	210	15 60	2 2	5 5	5 2	2 2	2 2
Modern Mathematics II	211	5	2	5	5	2	2
Social Studies	212	5	2	5	5	2	2

NIRIMBA
 LEEUWIN
 ALBATROSS
 CERBERUS
 WATSON
 MELBOURNE
 STALWART

SGCE Handbook

9. An SGCE Handbook, published biennially, gives general information concerning the structure of the SGCE examinations and broad guidelines for administrative arrangements among the Defence Forces. Copies of the Handbook are distributed to Education Officers without demand by Director of Naval Education Service.

Syllabuses

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 will require some use of metric units commencing with the April series of 1975 (see Navy Order 48/74).

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 LEEUWIN Matriculation Course.

14. A two-week course will be 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 1 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 LEEUWIN 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. Textbooks for each subject will be supplied by EO Publications without further application.

Textbooks

16. Prescribed textbooks and instruments are detailed in the SGCE Handbook and in subject Study Guides. Stocks will be no longer maintained in ships and establishments where no Instructor Officer is borne. A copy of each SGCE text and the SGCE Handbook are available for reference in section E of libraries of ships and establishments not listed in Annexe A. Education Officers are required to inform DNES of prospective candidates as in Paragraph 11. Scale of texts, etc, for ships/establishments with Instructor Officer complement is shown in Annexe A to this order.

Grading of Results

17. Candidates results are graded using the Stanine distribution method as follows:

<i>Stanine Score</i>				<i>Grade</i>
D9	..	..	..	Distinction
C8, C7	..	..	..	Credit
P6, P5, P4	..	..	..	Pass
N3, N2, N1	..	..	..	Fail

18. 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.

19. Applications for the re-mark of a candidate's worked papers will not normally be approved unless there is a strong supporting evidence that the marks may be in error.

Examiners' Reports

20. 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

21. An SGCE Certificate will be issued to candidates 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 can be obtained at any time by application to DNES should there be a requirement.

SGCE Preparatory Course

22. A preparatory course to assist selected SD, SL and WRANS officer candidates to qualify educationally for commissioned rank is conducted biannually at HMAS LEEUWIN.

23. The courses, which are of approximately nineteen weeks duration, will normally commence on the second Monday in January and July. The course will cater primarily for the SGCE subjects of English, Mathematics, Geography, Physics and Navigation but additional subjects will be available where appropriate.

24. Although SGCE subject syllabuses will be studied, 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 accepted alternatives to SGCE passes for purposes of qualifying educationally for commissioned rank but do not count towards the award of an SGCE Certificate. Candidates will be 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

25. The degrees of recognition accorded to the Services General Certificate of Education by the various State educational authorities and by the Public Service Board are defined below. The degree of recognition approved by the Victorian Universities and Schools Examinations Board is of special significance. The conditions governing this recognition are given in detail hereunder.

26. 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

27. In June 1965, the VUSEB advised that, subject to triennial review, it would:

- recognise approved SGCE subjects as being equivalent to the Victorian School Leaving Examination subjects for purposes of the Matriculation prerequisite;
- authorise endorsement of the SGCE Certificate which would state that the VUSEB recognises subject passes in this examination as being equivalent to its own school leaving subjects.

State Educational Authorities

28. 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.																
NSW Department of Education	.. Recognised on a subject basis as equivalent to NSW School Certificate as follows: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th><i>SGCE</i></th> <th><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.																

Authority	Education Equivalent
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

29. On and from 1 July 1974 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:

- Victorian Higher School Certificate (or its equivalent, ie, Matriculation).
- College of Advanced Education Diploma Preliminary Year.

Condition: Subjects passed must include at least three subjects selected from the following:

Mathematics, Physics, Chemistry, Biology, Economics, Geography, Accounting, English.

30. 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.

31. *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.*

32. These recent changes in 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. It is most important that the above changes are brought to the attention of members thinking of entering the Australian Public Service. For continuity of sick leave benefits, superannuation entitlements, etc, the member is advised to join the Australian Public Service on the next working day after leaving the RAN in order to receive a flow on of all the benefits accrued for service in the RAN.

33. Navy Orders 147/71, 346/71 and 90/72 are hereby cancelled.

ANNEXE A

Scale of Texts For Ships/Establishments With Instructor Officer

Ref No	Title	CERBERUS	CRESWELL	LEEWIN	MELBOURNE	NIRIMBA	STALWART	ALBATROSS	WATSON
	English								
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	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

ANNEXE A—continued

Ref No	Title	CERBERUS	CRESWELL	LEEWIN	MELBOURNE	NIRIMBA	STALWART	ALBATROSS	WATSON
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
	Concise Oxford Dictionary ..	2	1	12	2	2	2	2	1
	Pocket Oxford Dictionary ..	20	..	400	15	15	2	20	10
	Economics								
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
	Chemistry								
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
	Modern 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
	Asian History								
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: A Modern History	5	3	6	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
	Geography								
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
	Wall Map—The World	1	..	1	..	..	..	..	..
	Wall Map—Europe	1	..	1	..	..	..	..	..
	Wall Map—Asia	1	..	1	..	..	..	..	..
	Wall Map—Africa	1	..	1	..	..	..	..	..
	Wall Map—North America ..	1	..	1	..	..	..	..	..
	Wall Map—South America ..	1	..	1	..	..	..	..	..
	Wall Map—Australia	1	..	1	..	..	..	..	..

ANNEXE A—continued

Ref No	Title	CERBERUS	CRESWELL	LEEWIN	MELBOURNE	NIRIMBA	STALWART	ALBATROSS	WATSON
Mathematics									
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
EDUC 210-01 ..	Maths for Today and Tomorrow 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
	Four Figure Tables ..	20	5	900	10	10	10	30	10
	Basic Mathematics (Instructor's Reference)	2	1	10	1	1	1	2	1
Physics									
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
Navigation									
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	5	50	5	5	3	5	40
BR 45 v. 1 ..	Admiralty Manual of Navigation Vol I	10	5	50	5	5	3	5	40
BR 45 v. 2 ..	Admiralty Manual of Navigation Vol II	10	5	50	5	5	3	5	40
EDUC 205-03 ..	Right Angled Triangle Tables ..	10	5	50	5	5	3	5	40
EDUC 205-04 ..	Notes on Navigation ..	10	5	50	5	5	3	5	40
Instruments									
	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 cms (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

(Navy Orders 147/71, 346/71, 90/72, 48/74 and 64/74)

(325/1/156)

UNCLASSIFIED

337/74—Uniform—No 5W (White Undress)—Wearing of White Bush Coat

1. It has been decided that the white bush coat may be worn only with dresses 9W and 12W.

2. ABR 81, RAN Uniform Instructions, Article 0201, will be amended to delete the bush coat from dress 5W.

(1/8405/22)

Section 4**EQUIPMENT, STORES AND SERVICING**

UNCLASSIFIED

338/74—Protection Devices and Safety Precautions for Pressure and Vacuum Gauges

1. In order to reduce the high incidence of gauge failures a range of protection devices have been introduced. The 'Rast' gauge saver (snubber) consists of a hollow body with a threaded male connection at the bottom for attachment to a pressure line or vessel. Into the top end an insert with a female threaded well is screwed. This top insert carries a liquid filled compressible sack fixed to its inner end, and a restrictor plug is screwed into the base of the well. The gauge or pressure switch is screwed into the top insert well.

2. The fluid medium under pressure in the line or vessel is isolated from the gauge or pressure switch. Upon entering the gauge saver body it surrounds the sack forcing the sack liquid through the restrictor and into the bourdon tube of the gauge or into the pressure switch. Fluctuating pressures are damped by the restrictor providing steady, accurate gauge readings, or causing operation of the pressure switch when a pre-set pressure is reached.

3. These gauge savers are intended for direct connection to the gauge and for optimum performance should be mounted vertically. They will not indicate vacuum when used in connection with vacuum or compound gauges and are therefore not to be used for this application.

4. The majority of requirements can be catered for by the one type of snubber, ie, the 'Rast' gauge saver, sealed snubber, stainless steel with Viton A Fluid Sack, charged with glycerine, for pressures up to 27.57 MPa (400 lbs/in²). These items are identified as follows:

- 6685-66-063-4867 GAUGE SAVER $\frac{3}{8}$ " BSP CONNECTION.
- 6685-66-063-4868 GAUGE SAVER $\frac{1}{2}$ " BSP CONNECTION.
- 6685-66-063-4869 GAUGE SAVER $\frac{3}{4}$ " BSP CONNECTION.

Gauge savers are not to be used with Oxygen gauges, gauge savers charged with Midland Silicon MS200 are to be demanded separately for this purpose. Applications where the fitting of gauge savers prove ineffective are to be reported vide Form TM179, for individual investigation.

5. A syphon (ie, coil or U bend) is essential in all steam pressure gauge lines as in several instances steam pressure gauge failures have been attributed to the lack of a syphon, resulting in failure at the junction of the bourdon tube and the connection block due to overheating. Also a shut off cock must be fitted at the gauge, in addition to the source, where this is remote or obscure.

6. When selecting a pressure or vacuum gauge for a particular application care is to be taken to select a gauge so that the full scale reading, or working pressure, occurs at 75 per cent of the scale range in steady pressure applications and at 60 per cent of the scale range in fluctuating applications.

7. Attention is drawn to the danger of the following:

- a. Using general purpose gauges in connection with oxygen. All gauges for use with oxygen are to be of the safety pattern type and the word 'OXYGEN' in black letters, and the warning 'USE NO OIL' in red letters, is to be plainly inscribed on the dial.
- b. Using oil as the testing medium for gauges operating at 6.89 MPa (1,000 lbs/in²) or above, or any oxygen gauge. For general purpose gauges calibrated 6.89 MPa and above any medium except oil may be used, but must be oil free. Gauges for use with oxygen must be tested with oil-free water or dry clean air.

(1215/56/432)

1. In order to reduce the risk of failure of gauges in service, the following instructions should be observed:

1.1. The gauge should be inspected before use to ensure that it is in good working order. The following instructions should be observed:

1.1.1. The gauge should be inspected before use to ensure that it is in good working order. The following instructions should be observed:

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1.1.1.1.1. The gauge should be inspected before use to ensure that it is in good working order. The following instructions should be observed:

GAUGE SAVER 1. BSP CONNECTION
 GAUGE SAVER 2. BSP CONNECTION
 GAUGE SAVER 3. BSP CONNECTION

Gauges are not to be used with oxygen gauge saver charged with methyl silicone oil as to be demarcated separately for this purpose. Applications where the fitting of gauge saver indicate are to be reported via Form TM17, for individual investigation.

AMENDMENTS

UNCLASSIFIED

339/74—Medical, Hospital and Dental Treatment of Families of United Kingdom Personnel in Australia

Navy Order 206/73 is to be amended as follows:

Paragraph 13

Obstetrical and Maternity Treatment

delete \$60.00

insert \$90.00.

(156/51/23)

(Navy Orders 206/73)

Navy Orders 377/71 to 457/71 are now over three years old and may be disposed of accordingly.



DNL5

RESTRICTED

ANOs 340/74-355/74



AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
7 November 1974.

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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No

Title

SECTION 1—ADMINISTRATIVE AND GENERAL

- 340/74 Decommissioning—HMAS ANZAC.
341/74 DEFNAV General Messages—Cancellation.
342/74 DEFNAV General Messages.
343/74 Papua New Guinea Defence Force—RAN Participation in Australian Defence Assistance Group—PNG (ADAG-PNG).

SECTION 2—PERSONNEL

- 344/74 Care of Hearing and Aural Standards for Naval Personnel.
345/74 RAN Central Canteens Fund Report for Year Ended 31 July 1974.
346/74 RAN Relief Trust Fund Financial Statement for Six Months Ended 31 December 1973.
347/74 Report on the Operation of the Naval Health Benefits Society for the Year Ended 30 June 1974.

SECTION 4—EQUIPMENT, STORES AND SERVICING

- 348/74 Scale Removing Compound for Treatment of Evaporator Plant.
349/74 Victualling Allowances and Fixed Issuing Prices for Provisions as from 1 October 1974.

SECTION 5—BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

- 350/74 Instructions for Reporting and Disposal of Failures to Function, Defects, and Damage Involving Ammunition, Armament, Explosive and Pyrotechnic Stores.
351/74 Revision of Failure/Defect Report Forms (TW Formerly S1148 Series).

AMENDMENTS

- 352/74 Ammunition—Practice Allowance.
353/74 Machinery Spares—Group 2805—Outboard Motors—Operation, Care and Maintenance.
354/74 Naval Technical Services—Aircraft Engineering Branch—Change of Title.
355/74 Recreational Films.

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

340/74—Decommissioning—HMAS ANZAC

The following decommissioning has been effected:
HMAS ANZAC—4 October 1974.

(1211/51/872)

UNCLASSIFIED

341/74—DEFNAV General Messages—Cancellation

1. The following arrangements apply to the cancellation of DEFNAV general messages.
2. Messages are disposed of as follows:
 - a. self-cancelling on issue or cancelled on a specific date stated in the message;
 - b. cancelled for a specific reason, eg, replaced by a Navy Order or incorporated in other instructions; or
 - c. if not cancelled by a. or b., automatically cancelled on the expiration of twelve months.
3. A quarterly statement is published in Navy Orders showing which DEFNAV general messages are in force.
4. Navy Order 377/71 is hereby cancelled.

(77/1/14)

(Navy Order 377/71)

UNCLASSIFIED

342/74—DEFNAV General Messages

1. In accordance with Navy Order 341/74, the state of DEFNAV General Messages as at 1 October is shown in Annexe A to this order.
2. Navy Order 255/74 is hereby cancelled.

ANNEXE A

1. The following F messages may be withdrawn:

1973

211, 230 cancelled by Navy Order 7/74.

1974

62, 63, 72, 82 cancelled by change 10 ABR 5076, 86, 108, 112, 123.

ANNEX A—continued

2. As at 0001Z October the following F messages were in force:

1973

202, 205, 206, 207, 208, 210, 213, 214, 215, 216, 217, 218, 221, 223, 224, 225, 227, 228, 229, 232, 233, 234, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270.

1974

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, 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, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174.

(77/1/14)

(Navy Orders 255/74 and 341/74)

UNCLASSIFIED

343/74—Papua New Guinea Defence Force—RAN Participation in Australian Defence Assistance Group—PNG (ADAG-PNG)

Introduction

1. The Papua New Guinea Defence Force (PNGDF) is an integrated Force comprising Maritime, Land and Air Elements. The Force is under the operational command and control of the Force Commander (COMPNGFOR) who exercises command from his Headquarters in Port Moresby (HQ PNGDF).

2. HMAS TARANGAU and the five PTFs HMAS AITAPE, LADAVA, LAE, MADANG and SAMARI have been assigned to the operational control of COMPNGFOR. It is also planned that two LCHs, HMAS BUNA and SALAMAUA, will be assigned to the PNGDF in late 1974.

3. When Papua New Guinea achieves independence HMAS TARANGAU will cease to be an RAN establishment. The establishment will be decommissioned on 14 November 1974 and renamed the 'PNG Defence Force Patrol Boat Base, Lombrum'. (Lombrum Point on Los Negros Island is the actual location of the base, as opposed to the adjoining and more commonly quoted Manus Island.)

4. In addition to the decommissioning of HMAS TARANGAU, the five PTFs and two LCHs assigned to the PNGDF will be decommissioned as HMA ships and recommissioned as Papua New Guinea Ships (PNGS) of the Maritime Element of the PNG Defence Force. HMAS TARANGAU II will also be decommissioned as a new establishment, HMAS BASILISK, will be commissioned to handle the administration of RAN personnel in PNG, much the same as HMAS CARPENTARIA in London and HMAS WARATAH in Washington. (See also Paragraph 7.)

5. This order summarises the involvement of RAN personnel in the PNGDF, after independence.

Australian Defence Assistance Group—PNG (ADAG-PNG)

6. The Australian Government has undertaken to assist in the manning of the PNGDF until it becomes fully localised in approximately 1980. This will be a gradual process and Australian personnel will reduce in numbers as trained PNG personnel become available to relieve them.

7. Australian service personnel serving in PNGDF billets will all be members of the ADAG-PNG. Headquarters ADAG, located in Port Moresby, will be responsible for the administration of Australian servicemen in such matters as conditions of service pay, promotion, removals, welfare, discipline and all other personnel matters, in accordance with Single Service (RAN, ARA and RAAF) regulations and instructions. In addition, there will be a detachment of HQ ADAG at Lombrum for the administration of Australian servicemen in billets at the PNGDF Patrol Boat Base.

HMAS TARANGAU/PNGDF Patrol Boat Base, Lombrum

8. The task of transferring RAN administrative, logistic and supply systems to those in use throughout the PNGDF has commenced at TARANGAU. Transfer of systems in the five PTFs of the PNG Defence Force Patrol Boat Squadron (PNG-PATRON) will proceed in parallel.

9. When the PNGDF Patrol Boat Base is activated there will be a requirement for approximately eighty Australian personnel (mostly RAN) to fill billets in the base. This number will decrease to approximately sixty by the end of 1975 and then progressively until full localisation is achieved in about 1980.

10. Conditions of service for personnel serving at HMAS TARANGAU are summarised in Navy Order 271/73. The financial considerations and entitlements detailed at Paragraphs 13-16 of that order have been varied as a consequence of the change to an overseas pattern of allowances from 1 December 1973. Details of these new allowances and entitlements have been promulgated by circular letter and are the subject of a separate Navy Order. In summary, the new allowances represent an increase on the allowances previously payable.

Service in other Units of the PNGDF

11. Until they are fully localised there will be billets for RAN personnel in the following units:

- a. *PNGDF Patrol Boat Squadron (PNGPATRON)*. The RAN personnel requirement is limited to a few officers and senior sailors per PTF. (HMAS LADAVA is now fully localised.)
- b. *PNGDF Landing Craft Squadron (PNGLANCRON)*. Initially there will be five RAN personnel in one LCH and six in the other. The crew of one LCH is expected to be fully localised by mid-1975 and the other by the end of 1975. COMPNGLANCRON is shore based in Port Moresby and RAN personnel will be required in key billets, including the Base Maintenance Staff.
- c. *PNGDF Diving/EOD Unit*. This unit (if established) will be located in the PNGLANCRON Base area and will initially consist of one officer (RAN), one WO (RAN), two CPO (RAN), WO (Army) and eight Divers (PNG).
- d. *HQ PNGDF*. There are a number of billets for RAN personnel in HQ PNGDF which is located in Murray Barracks, Port Moresby.

- e. *HQ ADAG-PNG*. The function of HQ ADAG is discussed in Paragraph 7. As the function of HQ ADAG is purely for the support of Australian personnel serving with the PNGDF, those personnel serving in HQ ADAG will not themselves be serving in PNGDF billets. One of the first tasks of HQ ADAG-PNG will be to produce a detailed brochure on service in Papua New Guinea, for the information of personnel posted there.
- f. *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.
- g. *PNGDF Training Depot*. The Training Depot is located at Goldie River, about sixteen miles from Port Moresby. Its function is the initial training of all PNGDF recruits and is thus similar in function to HMAS CERBERUS. There are billets for one RAN officer and one RAN senior sailor on the training staff.
- h. *PNGDF Apprentices Training Unit*. This unit is located in Murray Barracks, Port Moresby, and there are billets for several RAN senior technical sailors.

Postal Addresses

12. After HMAS TARANGAU decommissions, the postal address for the new base will be:

PNGDF Patrol Boat Base
Lombrum
PAPUA NEW GUINEA.

13. The address of HMAS BASILISK will be:

HMAS BASILISK
PO BOX 2270
Konedobu
Port Moresby
PAPUA NEW GUINEA.

14. This order will be re-printed for posting on notice boards.

(147/2/36)

(Navy Order 271/73)

Section 2

PERSONNEL

UNCLASSIFIED

344/74—Care of Hearing and Aural Standards for Naval Personnel

1. Hearing can be permanently damaged by exposure to loud noise.
2. The Naval Board wish to draw attention to the importance of preserving hearing by the use of aural protectors (ear defenders) when exposed to loud noise.
3. Full instructions on the care of hearing and aural standards for Naval personnel are laid down in ABR 1991, Articles 0801 to 0826 inclusive.
4. Navy Order 449/71 is hereby cancelled.

(327/53/231)

(Navy Order 449/71)

UNCLASSIFIED

345/74—RAN Central Canteens Fund Report for Year Ended 31 July 1974

1. The auditor's report and financial statements covering the operation of the RAN Central Canteens Fund for the year ended 31 July 1974 appear as Annexes of 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 controls the activities of all Service System Canteens and imposes 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 its 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 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 System Canteens;
- 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 Appendix 15B. 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 \$98,682 to \$744,362.

6. Fund income increased by \$20,506 to \$191,564 as a result of higher sales in canteens. Expenditure reduced by \$11,395 to \$90,211 mainly due to a reduction of \$9,445 in expenditure on Relief Trust Fund housekeeping grants.

7. During the year canteen sales rose from \$4,641,587 to \$5,385,480, an increase of 16.03 per cent. The growth of sales is considerably higher than the previous year (3.97 per cent) and is closely in line with the rise in the consumer price index.

8. The RAN Holiday Centre at Forster incurred an operating loss of \$1,496 for the year. This result is considered satisfactory taking into account the costs in updating and improving this centre. A small operating profit should be made in the 1974-75 financial year.

9. The RAN Holiday Centre at Lake Burrill made an operating loss of \$1,176 compared with an operating loss of \$4,777 in the previous year. Taking into account that buildings were depreciated by \$4,341, and provision for the replacement of fixed assets has been increased by \$2,500, it can be seen that the centre is financially sound. The abnormally bad weather in NSW during the year resulted in loss of some expected income and also resulted in excessive expenditure on roadworks.

10. During the year work was commenced on sixteen motel type units at Lake Burrill at a cost of \$120,000 and provision has been made for furnishing these units at a total cost of \$16,000. At 31 July these units were nearing completion and were expected to be ready for occupancy late October 1974. The additional revenue from these units should result in an operating profit in 1974-75.

11. Annexe 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 RANRTF has also been able to increase the amount of second housing and second and third furniture loans significantly. The cost of providing housekeeping services was reduced from \$15,133 to \$5,698 during the year. The RAN Central Canteens Board has allocated \$15,000 for the 1974-75 financial year and the conditions for payment for housekeeping services have been eased.

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 1974-75 year is expected to continue at the present rate.

13. Navy Order 328/73 is hereby cancelled.

ANNEXE A

RAN Central Canteens Fund Balance Sheet as at 31 July 1974

<i>Accumulated Funds</i>	1974 \$	1973 \$
Balance at 31 July 1973	570,118.14	423,995
ADD: Improvements to RAN Holiday Centre Lake Burrill	117,028.00	
Improvements to RAN Holiday Centre Forster	3,005.00	
	<u>120,033.00</u>	81,238
	690,151.14	
ADD: RAN Central Canteens Fund Operating Surplus	101,353.17	
LESS: RAN Holiday Centre Lake Burrill Operating Loss	1,175.64	
RAN Holiday Centre Forster Operating Loss	1,495.91	
	<u>98,681.62</u>	
Transfers to Reserves	93,000.00	
	<u>5,681.62</u>	64,885
	<u>695,832.76</u>	570,118
<i>Reserves</i>		
Lake Burrill Project Reserve	40,529.08	
Forster Project Reserve	3,000.00	
Canteen Insurance Reserve	5,000.00	
	<u>48,529.08</u>	75,562
<i>Total Funds and Reserves</i>	<u>744,361.84</u>	645,680
<i>Represented by:</i>		
<i>Current Assets</i>		
Cash at Bank	46,003.57	
Interest Bearing Deposits	125,000.00	
	<u>171,003.57</u>	149,796
<i>Outstanding Loans</i>		
Advances to ASCO	100,000.00	
Loans to Canteens etc.	44,338.26	
	<u>144,338.26</u>	177,889
<i>Investments—At Cost less Amounts Written Off</i>		
RAN Holiday Centre Lake Burrill	265,296.94	
RAN Holiday Centre Forster	78,798.07	
Commonwealth Bonds—At Cost	84,925.00	
	<u>429,020.01</u>	317,995
<i>Total Net Assets..</i>	<u>744,361.84</u>	645,680

Note: The Fund has guaranteed the operations of the Naval Health Benefits Society until the introduction of the National Health Scheme. A contingent liability may exist for losses incurred by the Society.

ANNEXE B

**RAN Central Canteens Fund
Revenue Account for the Year Ended 31 July 1974**

<i>Income</i>		<i>1974</i>	<i>1973</i>
	\$	\$	\$
Levy on Sales in Service System Canteens ..		179,516.00	154,720
Interest		10,395.88	13,015
ASCO Dividend Vietnam		398.00	1,500
NAAFI Dividend Singapore		717.78	1,386
Capital Gain on Conversion of Bonds		520.00	—
Donations		16.50	437
		<hr/>	<hr/>
		191,564.16	171,058
		<hr/>	<hr/>
<i>Expenditure</i>			
Grants as per schedule	84,482.42		95,887
Audit Fees	275.00		240
Stationary	1,070.35		997
RAN Recreational Film Account	4,383.22		4,482
		<hr/>	<hr/>
		90,210.99	101,606
		<hr/>	<hr/>
Surplus Transferred to Accumulated Funds ..		101,353.17	69,452

AUDITORS REPORT

We wish to report that we have audited the books and accounts of the Fund for the year ended 31 July 1974.

In our opinion, the attached Balance Sheet and Accounts so far as they relate to the operations of the Fund excluding the results of the Lake Burrill and Forster RAN Holiday Centres, 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 Holiday Centres we are unable to form an opinion as to whether the Accounts as a whole reflect a true and fair view.

GOODE & TONER,

Chartered Accountants,

343 Little Collins Street, Melbourne.

Melbourne,
24 September 1974.

ANNEXE C

**RAN Central Canteens Fund
Schedule of Grants Made During Year Ended 31 July 1974**

<i>Welfare</i>		\$	\$
RAN Relief Trust Fund—			
Half Yearly Grants			49,615.90
Housekeeping Services			5,697.81
CPSO Western Australia			100.00
HMAS Vendetta			200.00
			<hr/>
<i>Amenities</i>			55,613.71
Canteen Insurance		768.00	
Navy News Subsidies		10,090.23	
Newspapers for ships overseas		242.10	
HMAS Cerberus		2.00	
HMAS Coonawarra		29.00	
HMAS Encounter		96.80	
HMAS Leeuwin		4,611.00	
HMAS Platypus		40.00	
HMAS Vampire		25.00	
HMAS Albatross		1,100.00	
HMAS Nirimba		2,500.00	
HMAS Stalwart		48.25	
HMAS Tarangau		760.29	
			<hr/>
			20,312.67
			<hr/>
<i>Sport</i>			
Australian Services Rugby Union		400.00	
HMAS Cerberus		3,085.05	
HMAS Encounter		346.25	
HMAS Nirimba		681.48	
NAA Sports Fund		898.70	
EAA Sports Fund		3,062.36	
HMAS Harman		82.20	
			<hr/>
			8,556.04
			<hr/>
			84,482.42

ANNEXE D
RAN Central Canteens Fund
Schedule of Loans Outstanding at 31 July 1974

	\$
HMAS Arrow	200.00
HMAS Betano Canteen	190.00
HMAS Brunei Canteen	140.00
HMAS Buna Canteen	160.00
HMAS Cerberus Senior Sailors Swimming Pool Committee	8,750.00
HMAS Coonawarra Ships Fund	2,000.00
HMAS Flinders Canteen	550.00
HMAS Nimba Apprentices Fund	3,360.00
HMAS Nimba Senior Sailors	1,620.00
HMAS Salamaua Canteen	180.00
HMAS Tarakan Canteen	140.00
HMAS Tarangau Canteen	4,000.00
HMAS Torrens	1,000.00
HMAS Vendetta Canteen	2,750.00
HMAS Watson Senior Sailors	764.00
HMAS Wewak Canteen	170.00
RAN Ski Club	5,164.26
Royal Naval House	6,000.00
RAN Gliding Association	7,200.00
	<hr/>
	44,338.26

(212/1/8)

(Navy Order 328/73)

UNCLASSIFIED

346/74—RAN Relief Trust Fund Financial Statement for Six Months
Ended 31 December 1973

1. The Statement of Accounts of the RAN Relief Trust Fund for the period 1 July 1973 to 31 December 1973 and the Balance Sheet at 31 December 1973 are promulgated as Annexe 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		Six Months Ended	
	1972-73	31 Dec 1973	1972-73	31 Dec 1973
Housing	382	212	24.5	27.4
Furniture	813	481	52.2	62.1
Medical and dental	44	4	2.8	0.5
Travelling and removals	79	13	5.1	1.7
Domestic (overdue accounts)	144	30	9.3	3.9
Legal	24	6	1.5	0.8
Other Reasons	72	28	4.6	3.6
	<hr/>	<hr/>	<hr/>	<hr/>
	1,558	774	100.0	100.0

3. The amounts loaned under the respective categories were:

	Six Months Ended	
	1972-73	31 Dec 1973
	\$	\$
Housing Loans	354,600	197,711
Furniture Loans	458,010	305,304
Other Loans	40,926	9,008
	<hr/>	<hr/>
	853,536	512,023

4. Grants to widows whose husbands died whilst in the Service amounted to \$472.50. The sum of \$3,901.03 was paid out as grants for Housekeeping Services in order to assist Naval families in times of crisis through illness and other emergencies. Eighty-five families were assisted during this six months period.

5. Navy Order 6/74 is hereby cancelled.

ANNEXE A
ROYAL AUSTRALIAN NAVY RELIEF TRUST FUND
STATEMENT OF INCOME AND EXPENDITURE FOR THE SIX MONTHS ENDED 31 DECEMBER 1973

For Year Ended 30 June 1973	Six Months Ended	
	31 December 1973	31 December 1973
	\$	\$
Administrative Expenses—		
Salaries, Travelling and Insurance	1,762.73	2,202.56
Miscellaneous	81.08	788.84
Grants	1,843.81	2,991.40
Grants for Housekeeping Services	472.50	23,200.60
Provision for Bad Debts	3,901.03	
	1,750.00	
Surplus of Income Over Expenditure	28,125.69	3,901.03
		6,000.00
121,637	36,093.03	36,093.03

BALANCE SHEET AS AT 31 DECEMBER 1973

30 June 1973	31 December 1973	
		\$
Liabilities		
Accumulated Funds—		
Balance as at 1 July 1973	967,350.00	90,722.44
Add Surplus of Income Over Expenditure	28,125.69	30,626.09
Provision for Bad Debts	264.60	121,348.53
Unclaimed Moneys	125.19	790,162.27
		82,105.60
		1,025.39
967,350	995,865.68	1,223.89
		995,865.68
Assets		
Cash—		
Bank	105,609	90,722.44
Agency Advances	19,772	30,626.09
Loans Outstanding	757,788	121,348.53
Investments—at cost	82,105	790,162.27
RAN Central Canteens Fund Grants for Housekeeping Services	1,681	82,105.60
Interest Accrued—		
Investments	614	901.89
Bank—Agencies		322.00
967,569	995,865.68	995,865.68

The above Balance-sheet and Statement of Income and Expenditure have been examined and are in agreement with the books and accounts. In my opinion they show fairly the financial transactions for the 6 months ended 31 December 1973 and the state of the affairs of the Royal Australian Navy Relief Trust Fund as at that date. Investments with a face value of \$82,300, shown in the Balance-sheet at cost, have been verified.

W. H. SCOTT
Acting Auditor General

(Sgd) G. J. WILLIS, Rear Admiral
(Sgd) D. H. D. SMYTH, Captain, RAN } Trustees, RAN Relief
(Sgd) J. M. BOWMAN, Commander, RAN } Trust Fund
(Sgd) J. T. ECCLESTON, Commander, RAN }
(Sgd) A. B. CALDER, Commander, RAN (Ret'd) Secretary

(Navy Order 6/74)

(212/54/16)

UNCLASSIFIED

347/74—Report on the Operation of the Naval Health Benefits Society for the Year Ended 30 June 1974

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 1974 are at Annexes A and B respectively. The Operating Statements at Annexe C show that both the medical and hospital funds made a surplus for the year.

3. The medical fund surplus was \$59,052 compared with a deficit of \$2,964 in the previous year. The surplus has reduced the deficit in the medical fund to \$102,096. The deficit should continue to reduce at about \$5,000 per month.

4. The hospital fund surplus was \$15,429 to which was added income from investments of \$8,325. The net gain in the hospital fund was \$23,754 compared with a loss of 24,964 in the previous year. The surplus in the hospital fund is \$150,755. This is not sufficient to cover the announced increase in hospital fees introduced in August and October 1974, but it should sustain the hospital fund until January 1975, at which time the next increases in medical fees will be introduced. It is expected that increased contribution rates will be required for both funds and it is hoped that these will be implemented simultaneously at that time.

5. The combined funds surplus is \$48,658 compared with a deficit of \$34,148 for the previous year. The surplus is only 2.67 weeks contribution income compared to the Government's recommendation of thirteen weeks income free of commitment.

6. Administration costs for the year were \$49,071 compared with \$37,511 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 \$46,716. The administration costs of the Society, as a percentage of contributions paid, are amongst the lowest for Health Benefits Societies nationwide.

7. The total of benefits paid through all accounts and including the Australian Government subsidy was \$1,345,063.55. The contributions paid by members was \$970,082.61. As the operations of the Special Accounts and the Subsidised Health Benefits Plan do not affect the Society's balances, the Operating Statements for these funds are not included in the Annexes.

Membership

8. Membership fell from 7,966 to 7,632. This is the first decline in membership since the Society was formed in 1956.

The Future

9. The Australian Government plans to introduce the Australian Health Insurance Program on 1 July 1975.

10. The Program will be administered by the Health Insurance Commission which will be funded by a levy on all taxable incomes. The Commission will meet the cost of standard ward accommodation in a public hospital in full. Patients using 'preferred accommodation' will be allowed \$16 per day for the hospital bed and reimbursement of 85 per cent of scheduled medical fees.

11. Under the Program, all patients, irrespective of their income, entering public hospitals will have the right of free accommodation and treatment in a standard ward bed. No charges will be made. Patients may also elect a higher level of hospital accommodation (known now as intermediate or private ward, or private hospital accommodation) and this will be called preferred accommodation. Patients who elect preferred accommodation will pay fees to the hospital and to the doctor and will be entitled to receive a hospital benefit of \$16 per day and medical benefits in relation to the fees charged by the doctor.

12. The availability of free hospitalisation is in all cases of illness, dependent upon the availability of a standard ward bed. It is likely that a deficiency of standard ward beds will exist during the early stages of the new Health Program and patients may be required to undergo a lengthy waiting period before free treatment is available. In these circumstances patients requiring immediate treatment and those choosing not to delay treatment will of necessity elect preferred accommodation and incur the costs of doing so. Thus, if a patient is hospitalised in a NSW intermediate ward, for example, where the charge is \$33 per day, the patient would pay \$17 and the Health Insurance Commission would pay \$16. A patient hospitalised in a Victorian private ward, where the charge is \$55 per day, would pay \$39. To cover these patient liabilities commercial insurance will be available.

13. It is envisaged that the Naval Health Benefits Society will provide a private insurance scheme for contributors who wish to insure for the cost of 'preferred accommodation' and for the 15 per cent of the scheduled medical fees not covered by the Program.

14. The Society will also act as an agent for the Health Insurance Commission and accept claims on its behalf from all members of the RAN whether or not they contribute to the Society for the extra hospital and medical benefits. This means that the existing method of obtaining and submitting claim forms will be retained and members will be able to lodge claims and receive benefits in the same way as they do now.

15. Full details of the new Naval Health Benefits Society Insurance Scheme and the effects of the introduction of the Health Insurance Program on 1 July 1975, will be widely promulgated as soon as the legislation has been clarified.

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

17. Navy Order 329/73 is hereby cancelled.

ANNEXE A
Naval Health Benefits Society
Balance Sheet as at 30 June 1974

	1974	1973
	\$	\$
<i>Reserve Funds</i>		
Hospital Benefits	150,754.94	127,000
Less Medical Benefits—Deficit	102,096.30	161,148
	<u>48,658.64</u>	<u>(34,148)</u>
<i>Represented by:</i>		
<i>Current Assets</i>		
Cash at Bank	58,797.12	—
Interest Bearing Deposits	26,000.00	26,000
Commonwealth Government Reimbursements Due	86,219.33	64,296
	<u>171,016.45</u>	<u>90,296</u>
<i>Investments (at Cost)</i>		
Commonwealth Bonds	39,952.00	39,952
First Mortgage Loan	45,000.00	45,000
	<u>84,952.00</u>	<u>84,952</u>
<i>Fixed Assets (at Cost)</i>		
Office Equipment	3,342.16	3,342
Less Provision for Depreciation	2,514.49	1,886
	<u>827.67</u>	<u>1,456</u>
	<u>256,796.12</u>	<u>176,704</u>
<i>Less Current Liabilities</i>		
Sundry Creditors	1,450.00	1,684
Bank Overdraft	—	22,683
Provision for Outstanding Claims	171,725.60	148,354
Contributions Paid in Advance	34,961.88	38,131
	<u>208,137.48</u>	<u>210,852</u>
	<u>45,658.64</u>	<u>34,148</u>
<i>Net Assets</i>		

ANNEXE B

**Naval Health Benefits Society
Revenue Statement for the Year Ended 30 June 1974**

	1974	1973
	\$	\$
Contributions applicable to the year	945,199.48	794,194
Deduct:		
Benefits	824,001.99	793,784
Management Expenses	46,715.53	36,359
	<u>870,717.52</u>	<u>830,143</u>
Operating Surplus	74,481.96	35,949
Add Investment Income	8,324.69	8,020
Net Surplus for the year	<u>82,806.65</u>	<u>27,929</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 1974. 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 & TONER
Chartered Accountants
by E. F. TONER, Partner.

Melbourne,
4 September 1974.

REVENUE STATEMENT

1974
1973
1974
1973
1974
1973
1974
1973

ANNEXE C

**Naval Health Benefits Society
Operating Statements for the Year Ended 30 June 1974**

	\$	\$	\$
	1974	1973	1973
Medical Benefits Fund			
Contributions applicable to the year	456,182.27	340,212	
Deduct:			
Benefits	355,586.97	310,991	
Management Expenses	41,542.81	32,185	
	<u>397,129.78</u>	<u>343,176</u>	
Net Surplus for the year	<u>59,052.49</u>	<u>2,964</u>	
Hospital Benefits Fund			
Contributions applicable to the year	489,048.74	453,983	
Deduct:			
Benefits	468,446.55	482,794	
Management Expenses	5,172.72	4,174	
	<u>473,619.27</u>	<u>486,968</u>	
Operating Surplus	<u>15,429.47</u>	<u>32,985</u>	
Add:			
Investment Income	8,324.69	8,021	
Net Surplus for the year	<u>23,754.16</u>	<u>24,964</u>	

(271/51/10)

(Navy Order 329/73)

OPERATING STATEMENTS

At the end of the year the balance sheet shows a surplus of \$23,754.16 for the Medical Benefits Fund and \$24,964 for the Hospital Benefits Fund. The total surplus is \$48,718.16. This surplus is available for the payment of benefits to members and their dependants. The surplus is carried forward to the next year.

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

348/74—Scale Removing Compound for Treatment of Evaporator Plant

Purpose

1. 6850-00-173-7243 SCALE REMOVING COMPOUND is being introduced to replace Citric Acid for Evaporator feed treatment in submerged coil evaporators in HMA Ships MELBOURNE, VAMPIRE, VENDETTA, DUCHESS, DIAMANTINA and SUPPLY. The quantities required are less than for Citric Acid and the compound requires no special handling precautions.

Instructions Regarding Use

2. The compound is to be fed continuously in the usual way using the same equipment as for Citric Acid treatment. The mixture strength compound with water in the mixing tank is to be so determined that when introduced into the evaporator, a dosage of approximately 31 ml (1½ fl oz) of 'neat' compound per ton of distillate output is achieved. The compound is to be used at the recommended dosage rate with an optimum brine density of 20° on the Admiralty Brass Hydrometer scale. Densities in excess of this are acceptable under operational conditions, but with an increase in density a proportional increase in dosage is necessary, that is, for an increase of from 20° to 25° an increase in dosage of approximately 25 per cent would be required. Thus the 'neat' dosage of the compound would be approximately 39 ml (1.7 fl oz) per ton of distillate output.

3. Prior to changing to the compound, evaporators are to be descaled by acid cleaning, and thoroughly flushed.

Supply Arrangements

4. Citric Acid will continue to be used until stocks have been exhausted. Issue of the compound will be effected by SGSO, Sydney, on demand.

5. The compound has the following identification:

Class	Catalogue No	Item Name
6850	00-173-7243	SCALE REMOVING COMPOUND.

Items Superseded

6. 6810-66-033-7262 CITRIC ACID has been declared redundant for this purpose.
8. 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.
8. Navy Order 41/71 is hereby cancelled.

(1211/51/584)

(Navy Order 41/71)

UNCLASSIFIED

349/74—Victualling Allowances and Fixed Issuing Prices for Provisions as from 1 October 1974

- The price list for fresh fruit and vegetables which has operated since 1 July 1974 has been amended from 1 October 1974.
- The revised price lists have been distributed to all HMA ships and establishments.
- The rates of victualling allowance per head per day remain as at 1 July 1974 and are as follows:

	Ashore	Afloat
	\$	\$
Messes of 50 or less victualled from a separate galley ..	1.14	1.17
All other messes of 300 or less messes separately ..	1.12	1.15
Messes of more than 300 ..	1.10	1.13
Additional for ships and submarines deployed with ANZUK Force ..	—	0.04
Supplementary 'Broadside' messing allowance for HMAS DIAMANTINA ..	—	0.01
HMAS COONAWARRA ..	1.16	—
HMAS TARANGAU and small craft (messes of 50 or less) under the operational control of COMPNGFOR ..	1.18	—
Cadet Midshipmen at RANC ..	1.22*	
Junior Recruits at Training Establishments ..		
Apprentices at RANATE ..		
Naval Reserve Cadets attending Camps and Courses ..		

* The allowance of \$1.22 per day for Cadet Midshipmen, Junior Recruits, Apprentices and Naval Reserve Cadets, is increased to \$1.25 per day when victualled on board ships undergoing training and when messes separately.

4. Navy Order 290/74 is hereby cancelled.

(901/66/11)

(Navy Order 290/74)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

350/74—Instructions for Reporting and Disposal of Failures to Function, Defects, and Damage Involving Ammunition, Armament, Explosive and Pyrotechnic Stores

General

- The following instructions are laid down for action to be taken following accidents, failures to function, defects and damage involving Ammunition, Explosive, Pyrotechnic and Armament Stores.
 - Failures to function include complete failures such as misfires or blinds and partial failures such as hangfires, early bursts and other symptoms of abnormal performance.

- c. Defective explosive or non-explosive stores are those which are found to be defective before an attempt is made to fire or initiate them.
- d. Damaged explosive or non-explosive stores are those which are damaged during handling.
- e. Accidents may involve failure to function, defective or damaged stores or human error.

Method of Reporting

- 2. a. In all cases of accidents, failures, defects and damage involving Ammunition Explosive Pyrotechnic and Armament Stores it is essential that a detailed report on Form TW108 (revised 1973) be rendered as early as possible, so that the reasons for the incident can be established and other ships and establishments can be warned to avoid a repetition. Further, unless incidents can be investigated fully, it is not possible to eradicate causes of failures at new manufacture or during inservice maintenance. All incidents, including failures at routine testing on board and stores found defective before loading or use are to be reported upon, using form TW108, including those which have been reported upon by signal. Every factor, even though it may appear trivial, should be included in the report.
- b. Commanding Officers should bear in mind that meaningful investigations into incidents are difficult unless material evidence is available to investigators. Therefore consideration should be given to retaining failed, defective or damaged store where this can be done without danger. Specific directions cannot be given and it is not intended that safety should be imperilled. If it is essential to dispose of stores quickly, as many details as possible should be recorded before the evidence is lost.
- c. Form TW108 is to be used for reports on Ammunition Explosive and Pyrotechnic Stores as well as for Guns and Mortars. (Form TW108 which is introduced by Navy Order 351/74 replaces the original S1148 series of forms and the subsequent series of TW Forms.) Incidents involving guided weapons and torpedoes should be reported upon in accordance with their respective defect reporting systems.
- d. Forms TW108 are to be rendered as follows:
 - (1) the original and one copy to the Administrative Authority;
 - (2) one copy to the RANAD at the port at which the defective store will be landed;
 - (3) one copy to the INO of the area which includes the RANAD at which the defective store will be landed, or, where no defective store or material evidence is available, to INO, Sydney, or INO, Melbourne, whichever is most appropriate;
 - (4) if the next port to be visited by the ship is not the site of the RANAD mentioned in (2) and (3) above, copies of the report should also be forwarded to the INO and Armament Supply Officer (ASO) at that port, where applicable;
 - (5) in the case of an air weapon failure report one copy is to be forwarded to the Superintendent of Aircraft Maintenance and Repair (SAMR), Sydney.

Processing of Reports by Appropriate Authorities

- 3. a. *Administrative Authority*. Original to Department of Defence (Navy Office) with his remarks (*see Note*). This should be forwarded without awaiting remarks from the INO concerned.

Note: On receipt of the original report the Administrative Authority is to promulgate any urgent action stemming from the incident, as he deems necessary.

- b. *INO and ASO concerned*. After investigation has been completed: copy to their respective Directors at Navy Office with their remarks; copy to the reporting ship or establishment; and copy to the Administrative Authority.
- c. *The Director of Naval Ordnance Inspection (DNOI)* will co-ordinate action within Navy Office. The outcome of the report and any actions to be taken will be communicated to the reporting ship or establishment and to the Administrative Authority by Navy Office.

4. If for any reason Form TW108 is not suitable for reporting an incident, an amplifying report should be attached to the form. If it is necessary to report an incident by letter, the letter is to be distributed and processed in accordance with the foregoing instructions for the Form TW108. Care should be taken to include all relevant information using Form TW108 as a guide.

Investigations Concerning Accidents, Failures, Defects and Damage

- 5. a. All accidents, failures, defects and damage involving Naval Armament Stores reported in accordance with this order, will be investigated by the Inspector of Naval Ordnance (INO) in the area of the RANAD to which copies of the Failure Report, and any stores or components for evidence are sent.
- b. INOs are stationed in Sydney, Melbourne and Adelaide and their responsibilities extend to Queensland and Northern Areas in the case of INO (Sydney) and to Western Australia in the case of INO (Melbourne).
- c. In addition to their responsibilities for the investigation of accidents, failures, etc, INOs are available to advise Commanding Officers on technical aspects of weapons, ammunition explosives and pyrotechnic stores, including questions involving RADHAZ. INO (Sydney), INO (Melbourne) and INO (Adelaide) are signal addressees.
- d. A ship or establishment may request the services of an INO by signal, using the following form and quoting this order as a reference:
 - (1) store nomenclature or area of difficulty;
 - (2) brief details of reason for service, eg, accident failure or other reason; and
 - (3) convenient place to embark INO representative.

The appropriate Administrative Authority and in serious cases, Navy Office, are to be informed.

AMENDMENTS

RESTRICTED

352/74—Ammunition—Practice Allowance

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

Insert:

Table J

Annual Allowance of Special Ammunition

Establishment	Ammunitions	Allowance
HMAS ALBATROSS	Cartridge 40 mm HE MK 406	.. 60
HMAS ALBATROSS	Cartridge Ball 5.56 mm	.. 1,200
		(710/51/300)

(Navy Order 8/74)

UNCLASSIFIED

353/74—Machinery Spares—Group 2805 Outboard Motors—Operation, Care and Maintenance

Navy Order 53/74 is to be amended as follows:

Paragraph 9 b. line 2:

delete 48/1,
insert 40/1.

(1/2805/12)

(Navy Order 53/74)

UNCLASSIFIED

354/74—Naval Technical Services—Aircraft Engineering Branch—Change of Title

Navy Order 297/72 is to be amended as follows:

Wherever the title 'Director of Aircraft Engineering' appears it will be replaced by the 'Director of Naval Aircraft Engineering'. The approved abbreviation is DNAE.

(1541/57/327)

(Navy Order 297/72)

UNCLASSIFIED

355/74—Recreational Films

Navy Order 157/73 is to be amended as follows:

Delete Sub-paragraph 7 b. and insert new Sub-paragraph 7 b.:

'7. b. Ships or establishments who consider they have become liable for additional hire charges through no fault of their own may submit a claim for reimbursement of the additional charges to the Film Liaison Officer. Such additional charges include hiring charges for films not received by ships owing to industrial action or short notice changes in ship's programmes providing all possible action is taken to ensure delivery. The Flag Officer Commanding East Australia Area may authorise reimbursement from the RAN Recreational Film Account of up to \$100 in any one instance.'

(164/201/9)

(Navy Order 157/73)

RESTRICTED

RESTRICTED

DNLS

RESTRICTED

ANO 356/74



AUSTRALIAN NAVY ORDER

Navy Office, Canberra,
27 November 1974.

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

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 3461.

CONTENTS

SECTION 4—EQUIPMENT, STORES AND SERVICING

356/74 Alterations and Additions/Modifications (TM188).

CONTENTS

No *Title*

SECTION 4—EQUIPMENT, STORES AND SERVICING
356/74 Alterations and Additions/Modifications (TM188).

ANNEXE A

Modifications

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	GULL	HAWK	TEAL	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLOW	TRVs		
	M/JYA/092 ..				X	X	X	X	X	X	X	X																								
M/JYA/097 ..				X	X	X	X	X	X	X	X					X																				
M/JYA/098 ..				X											X	X																				
M/903-032 Iss 2 ..				X	X	X	X	X	X	X	X																									
M/903-032 A/L 1 ..				X	X	X	X	X	X	X	X																									
M/903-027 A/L 1 ..				X	X	X	X	X	X	X	X																									
M/XFAC-G/096 ..				X				X	X	X	X																									
M/SHAN/091 ..				X	X	X	X	X	X	X	X				X	X																				
M/SHAH/030 ..				X	X	X	X	X	X	X	X																									
M/SHAH/065 ..				X	X	X	X	X	X	X	X																									

ANNEXE A—continued

Modifications

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	GULL	HAWK	TEAL	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLOW	TRVs		
	M/ILUD/00024 ..	X			X						X	X				X	X													X	X	X	X			
M/IMEA/00051 ..	X			X		X	X	X	X																											
M/SHAN/062 ..				X		X	X	X	X	X	X																									
M/9ABE/00004 ..	X	X	X	X	X	X	X	X	X	X	X				X	X							X	X					X							
M/9ABE/00002 ..	X	X	X	X	X	X	X	X	X	X	X				X	X							X	X					X							
M/IMBA/00001 ..				X															X																	
M/GF00/00002 ..				X			X																													
M/GJFC/00001 ..	X	X		X															X	X																
M/RDMR/00014 ..				X		X	X	X	X									X																		
M/GG00/004 ..	X			X																																

ANNEXE A—continued

Modifications

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	GULL	HAWK	TEAL	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLOW	TRVs	
M/182/011 ..	X	X	X	X		X	X	X	X	X	X					X	X																		
M/QY00/A003(Amend 1)				X								X	X	X																					
M/QBCE/B21 ..				X		X	X	X	X	X	X																								
M/170/066 (Amend 2) ..				X		X	X	X	X	X	X					X	X																		
M/177/060 (Amend 1) ..				X		X	X	X	X	X	X																								
M/AAWC/001 ..		X		X																															
M/JYA/096 ..				X		X	X	X	X	X	X					X	X																		
M/JYA/083 ..				X		X	X	X	X	X	X					X	X																		
M/YA00/010 ..				X					X																										
M/640/A01 ..	X																																		

ANNEXE A—continued

Modifications

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	GULL	HAWK	TEAL	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLOW	TRVs	
M/UA8-9/055 ..				X				X	X	X	X																								
M/YAZ/015 ..				X				X	X	X	X																								
M/CABA/001 ..		X		X																															
M/HG00/002 ..				X																							X								
M/JUA/032 ..	X			X							X	X			X	X													X	X	X	X			
M/177/A07 ..				X		X		X	X	X	X																								
M/193/036 ..				X																			X	X											
M/193/026 ..				X																		X	X												
M/170/068 (Amend 1) ..				X		X	X	X	X																										
M/QH00/063 ..				X		X	X	X	X	X	X				X	X																			

ANNEXE A—continued

Modifications
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	GULL	HAWK	TEAL	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	TRV's			
M/BQ00/001 ..				X	X																																
M/IASP/080 ..				X								X																									
M/IASP/083 ..				X								X																									
M/IASP/085 ..				X								X																									
M/EA00/002 ..				X						X	X																										
M/7E00/001 ..	X		X																																		
M/QH00/022 ..			X		X	X	X	X	X	X	X				X	X																					
M/QH00/A037 ..			X		X	X	X	X	X	X	X				X	X																					
M/7CDA/001 ..			X									X	X	X																							
M/EA00/003 ..																																					

ANNEXE A—continued

Modifications
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	GULL	HAWK	TEAL	IBIS	PATROLBOATS	FLINDERS	OXLEY	WAY	OVENS	ONSLow	TRV's				
M/JUA/013 ..	X	X	X	X	X	X	X	X	X	X	X				X	X													X	X	X	X						
M/UA8-9/060 ..			X					X	X	X	X																											
M/ITVN/003 ..	X		X					X	X	X	X				X	X																						
M/SHAY/002 ..			X									X	X	X																								
M/667-668/077 ..			X					X	X	X	X																											
M/SHAN/064 ..			X		X	X	X	X	X	X	X																											
M/SHAX/032 ..			X																			X	X															
M/SHAY/008 ..			X									X	X	X																								
M/KW-7/010 ..	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X																					
M/BID-610/025 ..	No Ships Affected																																					

Modifications
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	GULL	HAWK	TEAL	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	TRV ₅	
M/IRBE/002 ..	X		X																																
M/277-293/071 ..	X	X	X		X	X	X	X									X																		
M/ITVN/002 ..	X							X	X	X	X				X	X																			
M/JUA/023 ..	X	X	X	X	X	X	X	X	X	X	X				X	X												X	X	X	X				
M/ITVN/004 ..	X							X	X	X	X				X	X																			
M/903/032 ..			X			X																													
M/SHAH/062 ..			X		X	X	X	X	X	X	X				X	X																			
M/SJCA/009 ..	X	X	X		X	X	X	X	X	X	X				X	X																			
M/SHAY/009 ..			X									X	X	X																					
M/RAHA/00065 ..			X		X	X	X	X	X	X	X				X	X																			

Modifications
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	GULL	HAWK	TEAL	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	TRV ₅	
M/EKSG/00001 ..				X						X	X				X	X																			
M/RDFH/00008 ..				X						X	X				X	X																			
M/RDMR/00008 ..				X	X	X	X	X									X																		
M/GK00/00008 ..																																			
M/JYA/099 ..				X	X	X	X	X																											
M/CF00/002 ..				X						X	X																								
M/CF00/003 ..				X						X	X																								
M/667-668/078 ..				X			X	X	X	X	X																								
M/667-668/080 ..				X			X	X	X	X	X																								
M/667-668/081 ..				X			X	X	X	X	X																								

ANNEXE A—continued

Modifications
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	GULL	HAWK	TEAL	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLOW	TRV's	
M/667-668/079 ..			X					X	X																										
M/BID-610/009 ..	No Ships Affected																																		
M/CT471/008 ..	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	X	X	X	X	X	X
M/UA8-9/052 ..				X				X	X	X	X																								
M/UA8-9/058 ..				X				X	X	X	X																								
M/QA00/004 ..				X	X	X	X	X	X								X																		
M/QH00/020 ..				X											X	X																			
M/YB00/002 ..				X											X	X																			
M/SY2012/003 ..	No Ships Affected																																		
M/944/A01 ..	X		X		X	X	X	X	X	X	X				X	X	X																		

ANNEXE A—continued

Modifications
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	GULL	HAWK	TEAL	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLOW	TRV's		
M/CR00/002 ..		X																																		
M/CR00/003 ..		X																																		
M/JYA/086 ..				X	X	X	X	X	X	X	X	X																								
M/177/060 ..				X	X	X	X	X	X	X	X																									
M/182/007 ..	X	X	X	X	X	X	X	X	X	X	X				X	X																				
M/193/028 ..																						X	X													
M/JUA/026 ..	X									X	X				X	X																				
M/177/052 ..				X	X	X	X	X	X	X	X																									
M/ITVN/001 ..	X							X	X	X	X				X	X																				
M/170/076 ..				X	X	X	X	X	X	X	X				X	X																				

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ANNEXE A—continued

Modifications
ESTABLISHMENTS, ETC.

Modification No	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS	LSTDC	OIC (M)	LCHs	RAN (WED)	DSMR	CAIRNS	DFM (R & P)	DFM (WR)
M/JYA/092 ..			X				X	X							
M/JYA/097 ..			X				X	X							
M/JYA/098 ..			X				X	X							
M/903-032 Iss 2							X	X							
M/903-032 A/L 1							X	X							
M/903-027 A/L 1							X	X							
M/XFAC-G/096							X	X							
M/SHAN/091			X	X	X		X	X			X				
M/SHAH/030			X	X	X		X	X			X				
M/SHAH/065			X	X	X		X	X			X				

ANNEXE A—continued

Modifications
ESTABLISHMENTS, ETC.

Modification No	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	TARANGAU	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/ILUD/00024 ..																		X			X	X	X	X	X	X	X	X									X						
M/JMEA/00051 ..			X																		X	X	X	X	X	X	X	X									X						
M/SHAN/062 ..																					X	X	X	X	X	X	X	X									X						
M/9ABE/00004 ..			X		X	X	X	X	X	X	X	X	X	X							X	X	X	X	X	X	X	X									X						
M/9ABE/00002 ..			X		X	X	X	X	X	X	X	X	X	X							X	X	X	X	X	X	X	X									X						
M/IMBA/00001 ..																					X	X	X	X	X	X	X	X															
M/GF00/00002 ..																					X	X	X	X	X	X	X	X										X					
M/GJFC/00001 ..																					X	X	X	X	X	X	X	X										X					
M/RDMR/00014 ..			X																		X	X	X	X	X	X	X	X											X	X			

ANNEXE A—continued

Modifications
ESTABLISHMENTS, ETC.

Modification No	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS	LSTDC	OIC (M)	LCHs	RAN (WED)	DSMR	CAIRNS	DFM (R & P)	DFM (W)	DFM (S)	DWSD	DCSD	DES	DOD	DME	SNO CAIRNS
M/GG00/004 ..					X	X	X	X														
M/182/011 ..					X	X	X	X														
MQY00/A003 (Amend 1)					X	X	X	X														
M/QBCE/B21 ..					X	X	X	X	X													
M/170/066 (Amend 2) ..				X	X	X	X	X														
M/177/060 (Amend 1) ..				X	X	X	X	X														
M/AAWC/001 ..					X	X	X	X														
M/JYA/096 ..				X			X	X														
M/JYA/088 ..				X			X	X														
M/YA00/010 ..					X	X	X	X														

ANNEXE A—continued

Modifications
ESTABLISHMENTS, ETC.

Modification No	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	TARANGAU	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENQUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	GSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNA	EDP	
M/640/A01 ..																					X		X	X	X	X	X	X								X					
M/UA8-9/055 ..																					X		X	X	X	X	X	X													
M/YAZ/015 ..																					X		X	X	X	X	X	X													
M/CABA/001 ..																					X	X	X	X	X	X	X									X					
M/HG00/002 ..									X											X	X	X	X	X	X	X	X									X					
M/JUA/032 ..																					X		X	X	X	X	X	X								X					
M/177/A07 ..																					X		X	X	X	X	X	X								X					
M/193/036 ..																					X		X	X	X	X	X	X								X					
M/193/026 ..																					X		X	X	X	X	X	X								X					

ANNEXE A—continued

Modifications
ESTABLISHMENTS, ETC.

Modification No	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS	LSTDC	OIC (M)	LCHs	RAN (WED)	DSMR	CAIRNS	DFM (R & P)	DFM (W)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	SNO CAIRNS
M/640/A01 ..							X	X														
M/UA8-9/055 ..							X	X														
M/YAZ/015 ..							X	X														
M/CABA/001 ..					X	X	X	X														
M/HG00/002 ..					X	X	X	X													X	
M/JUA/032 ..							X	X														
M/177/A07 ..			X	X	X	X	X	X														
M/193/036 ..				X	X	X	X	X														
M/193/026 ..				X	X	X	X	X														

ANNEXE A—continued

Modifications
ESTABLISHMENTS, ETC.

Modification No	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	TARANGAU	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/170/068 (Amend 1) ..			X																		X	X	X	X	X	X	X	X														
M/QH00/063 ..				X																		X	X	X	X	X								X	X	X	X					
M/BQ00/001 ..																						X	X	X	X	X																
M/IASP/080 ..																						X		X	X	X	X	X														
M/IASP/083 ..																						X		X	X	X	X	X														
M/IASP/085 ..																						X		X	X	X	X	X														
M/EA00/002 ..																						X		X	X	X	X	X														
M/7E00/001 ..																						X	X	X	X	X	X															
M/QH00/022 ..				X																		X		X	X	X	X									X	X	X	X			
M/QH00/A037 ..				X																		X		X	X	X	X									X	X	X	X			

ANNEXE A—continued

Modifications
ESTABLISHMENTS, ETC.

Modification No	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS	LSTDC	OIC (M)	LCHs	RAN (WED)	DSMR	CAIRNS	DFM (R & P)	DFM (W)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	SNO CAIRNS
M/170/068 (Amend 1) ..				X	X	X	X	X														
M/QH00/063 ..	X				X	X	X	X														
M/BQ00/001 ..		X			X	X	X	X													X	
M/IASP/080 ..							X	X														
M/IASP/083 ..							X	X														
M/IASP/085 ..							X	X														
M/EA00/002 ..					X	X	X	X														
M/7E00/001 ..					X	X	X	X														
M/QH00/022 ..	X				X	X	X	X	X													
M/QH00/A037 ..	X				X	X	X	X	X													

ANNEXE A—continued

Modifications
ESTABLISHMENTS, ETC.

Modification No	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	TARANGAU	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	GRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIE:44	CSS	DLS	D-AS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWO)	GMWD (SWE)	DNS	EDP	
M/7CDA/001 ..																					X	X	X	X	X	X	X										X				
M/EA00/003 ..								X													X	X	X	X	X	X	X										X				
M/JUA/013 ..				X														X			X	X	X	X	X	X	X	X									X				
M/UA8-9/060 ..																					X	X	X	X	X	X	X										X				
M/ITVN/003 ..																					X	X	X	X	X	X	X										X				
M/SHAY/002 ..																					X	X	X	X	X	X	X										X				
M/667-668/077 ..																					X	X	X	X	X	X	X										X				
M/SHAN/064 ..																					X	X	X	X	X	X	X										X				
M/SHAX/032 ..																					X	X	X	X	X	X	X										X				
M/SHAY/008 ..																					X	X	X	X	X	X	X										X				

ANNEXE A—continued

Modifications
ESTABLISHMENTS, ETC.

Modification No	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS	LSTDC	OIC (M)	LCHs	RAN (WED)	DSMR	CAIRNS	DFM (R & P)	DFM (W)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	SNO CAIRNS
M/7CDA/001 ..					X	X	X	X													X	
M/EA00/003 ..					X	X	X	X														X
M/JUA/013 ..				X				X	X													
M/UA8-9/060 ..								X	X													
M/ITVN/003 ..								X	X													
M/SHAY/002 ..					X	X	X	X														
M/667-668/077 ..								X	X													
M/SHAN/064 ..				X	X	X	X	X														
M/SHAX/032 ..					X	X	X	X														
M/SHAY/008 ..					X	X	X	X														

ANNEXE A—continued

Modifications
ESTABLISHMENTS, ETC.

Modification No	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	TARANGAU	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)	DNA	EDP			
M/KW-7/010 ..			X		X	X										X				X	X	X	X	X	X		X	X															
M/BID-610/025 ..					X	X		X		X		X	X	X					X	X		X	X	X	X		X	X															
M/IRBE/002 ..																					X	X	X	X	X	X	X	X									X						
M/277-293/071 ..			X	X							X										X	X	X	X	X	X	X	X									X						
M/ITVN/002 ..																					X	X	X	X	X	X	X	X									X						
M/JUA/023 ..																		X			X	X	X	X	X	X	X	X									X						
M/ITVN/004 ..																					X	X	X	X	X	X	X	X									X						
M/903/031 ..																					X	X	X	X	X	X	X	X									X						

ANNEXE A—continued

Modifications
ESTABLISHMENTS, ETC.

Modification No	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS	LSTDC	OIC (M)	LCHs	RAN (WED)	DSMR	SNO CAIRNS	DFM (R & P)	DFM (W)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	MSO MELBOURNE	MSO GID
M/KW-7/010 ..							X	X															
M/BID-610/025 ..							X	X					X									X	X
M/IRBE/002 ..							X	X															
M/277-293/071 ..				X			X	X															
M/ITVN/002 ..							X	X															
M/JUA/023 ..				X			X	X															
M/ITVN/004 ..							X	X															
M/903/031 ..							X	X															

ANNEXE A—continued

Modifications
ESTABLISHMENTS, ETC.

Modification No	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	TARANGAU	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP				
M/SHAH/062 ..			X																		X	X	X	X	X	X	X	X																
M/SJCA/009 ..																						X	X	X	X	X	X	X																
M/SHAY/009 ..																						X	X	X	X	X	X	X																
M/RAHA/00065 ..				X																		X	X	X	X	X	X											X	X	X				
M/EKSG/00001 ..																						X	X	X	X	X	X																	
M/RDFH/00008 ..				X																		X	X	X	X	X	X																	
M/RDMR/00008 ..				X																		X	X	X	X	X	X																	
M/GK00/00008 ..																							X			X	X																	

ANNEXE A—continued

Modifications
ESTABLISHMENTS, ETC.

Modification No	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS	LSTDC	OIC (M)	LCHs	RAN (WED)	DSMR	SNO CAIRNS	DFM (R & P)	DFM (W)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	MSO MELBOURNE	MSO GID
M/SHAH/062 ..					X	X	X	X	X														
M/SJCA/009 ..					X	X	X	X															
M/SHAY/009 ..					X	X	X	X															
M/RAHA/00065 ..		X					X	X	X														
M/EKSG/00001 ..							X	X															
M/RDFH/00008 ..							X	X															
M/RDMR/00008 ..							X	X															
M/GK00/00008 ..			X				X	X															

ANNEXE A—continued

Modifications
ESTABLISHMENTS, ETC.

Modification No	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	TARANGAU	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	S4SO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP			
M/JYA/099 ..			X																		X	X	X	X	X	X	X	X															
M/CF00/002 ..																					X	X	X	X	X	X	X	X															
M/CF00/003 ..																					X	X	X	X	X	X	X	X															
M/667-668/078 ..																					X	X	X	X	X	X	X	X															
M/667-668/080 ..																					X	X	X	X	X	X	X	X															
M/667-668/081 ..																					X	X	X	X	X	X	X	X															
M/667-668/079 ..																					X	X	X	X	X	X	X	X															
M/BID-610/009 ..																					X	X	X	X	X	X	X	X															

ANNEXE A—continued

Modifications
ESTABLISHMENTS, ETC.

Modification No	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS	LSTDC	OIC (M)	LCHs	RAN (WED)	DSMR	CAIRNS	DFM (R & P)	DFM (W)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR
M/JYA/099 ..						X	X															
M/CF00/002 ..					X	X	X	X												X	X	X
M/CF00/003 ..					X	X	X	X												X	X	X
M/667-668/078 ..							X	X														
M/667-668/080 ..							X	X														
M/667-668/081 ..							X	X														
M/667-668/079 ..							X	X														
M/BID-610/009 ..							X	X														

ANNEXE A—continued

Modifications
ESTABLISHMENTS, ETC.

Modification No	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	TARANGAU	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/CT471/008 ..			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/UA8-9/052 ..																						X																					
M/UA8-9/058 ..																						X																					
M/QA00/004 ..				X																		X		X	X	X	X																
M/QH00/020 ..				X																		X		X	X	X																	
M/YB00/002 ..				X																		X		X	X	X																	
M/SY2012/003 ..																						X	X	X	X	X	X	X															

ANNEXE A—continued

Modifications
ESTABLISHMENTS, ETC.

Modification No	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS	LSTDC	OIC (M)	LCHs	RAN (WED)	DSMR	CAIRNS	DFM (R & P)	DFM (W)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	DUR
M/CT471/008 ..							X	X														
M/UA8-9/052 ..							X	X														
M/UA8-9/058 ..							X	X														
M/QA00/004 ..		X			X	X	X	X														
M/QH00/020 ..		X			X	X	X	X														
M/YB00/002 ..		X			X	X	X	X														
M/SY2012/003 ..																						

ANNEXE A—continued

Modifications
ESTABLISHMENTS, ETC.

Modification No	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	TARANGAU	LONSDALE	NIRIMBA	LEEUWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMW'D	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMW'D (SWE)	DNS	EDP			
M/944/A01 ..			X																			X	X	X	X	X	X	X															
M/CR00/002 ..																						X	X	X	X	X	X	X															
M/CR00/003 ..																						X	X	X	X	X	X	X															
M/JYA/086 ..																						X	X	X	X	X	X	X															
M/177/060 ..																						X	X	X	X	X	X	X															
M/182/007 ..																						X	X	X	X	X	X	X															
M/193/028 ..																						X		X	X	X	X	X															
M/JUA/026 ..																						X	X	X	X	X	X	X															
M/177/052 ..																						X	X	X	X	X	X	X															
M/ITVN/001 ..																						X	X	X	X	X	X	X															

ANNEXE A—continued

Modifications

ESTABLISHMENTS, ETC.

Modification No	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS	LSTDC	OIC (M)	LCHs	RAN (WED)	DSMR	CAIRNS	DFM (R & F)	DFM (W)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	MSO MELBOURNE
M/944/A01 ..				X		X	X															
M/JYA/086 ..						X	X															
M/CR00/002 ..						X	X															
M/CR00/003 ..						X	X															
M/177/060 ..				X		X	X															
M/182/007 ..				X		X	X															
M/193/028 ..						X	X															
M/JUA/026 ..						X	X															
M/177/052 ..				X		X	X															
M/ITVN/001 ..						X	X															

ANNEXE A—continued

Modifications

ESTABLISHMENTS, ETC.

Modification No	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	TARANGAU	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIEAA	CSS	DLS	DAS	DMS	D-1 (M)	SMSO (S)	SGSO	SLSO	SASO	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP
M/170/076 ..			X																		X	X	X	X	X	X	X	X								X				
M/KW-26/006 ..	X		X	X	X							X				X	X			X		X	X	X	X	X	X	X		X						X				
M/KW-26/011 ..	X		X	X	X							X				X	X			X		X	X	X	X	X	X	X		X						X				
M/KW-7/003 ..			X			X										X	X	X		X	X	X	X	X	X	X	X	X		X						X				
M/KWR-37/005 ..			X			X		X										X		X	X	X	X	X	X	X	X	X		X						X				
M/KWR-37/006 ..			X			X		X		X								X		X	X	X	X	X	X	X	X	X		X						X				
M/KWR-37/007 ..			X			X		X		X								X		X	X	X	X	X	X	X	X	X		X						X				
M/KWT-37/005 ..	X					X																	X	X	X	X	X	X		X							X			
M/KWT-37/007 ..	X					X																	X	X	X	X	X	X		X							X			
M/KWT-37/008 ..	X					X																	X	X	X	X	X	X		X							X			

ANNEXE A—continued

Modifications
ESTABLISHMENTS, ETC.

Modification No	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS	LSTDC	OIC (M)	LCHs	RAN (WED)	DSMR	CAIRNS	DFM (R & P)	DFM (W)	DFM (S)	DWSD	DCSD	DESD	DOD	DMED	MSO MELBOURNE
	M/170/076 ..				X		X	X														
M/KW-26/006 ..				X		X	X														X	
M/KW-26/011 ..				X		X	X														X	
M/KW-7/003 ..				X		X	X															
M/KWR-37/005 ..						X	X															
M/KWR-37/006 ..						X	X															
M/KWR-37/007 ..						X	X															
M/KWT-37/005 ..						X	X															
M/KWT-37/007 ..						X	X															
M/KWT-37/008 ..						X	X															

ANNEXE B

Alterations and Additions
SHIPS

Alteration and Addition Number	MELBOURNE	SUPPLY	STALWART	STALWART(FMU)	MORESBY	PARRAMATTA	YARRA	DERWENT	STUART	SWAN	TORRENS	BRISBANE	PERTH	HOBART	VAMPIRE	VENDETTA	DUCHES	DIAMANTINA	KIMBLA	BASS	BANKS	CURLEW	SNIPE	GULL	HAWK	TEAL	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLOW	TRV ₅		
	A/0775/73 ..				X								X																							
A/0742/73 ..			X	X															X																	
A/0591/73 ..				X																																
A/0586/73 ..		X	X	X																																
A/0580/72 ..				X	X																															
A/0005/70 (Amend 1) ..	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X																
A/0330/71 ..			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X											X								
A/0723/73 ..																																				
A/0686/73 ..			X									X	X	X																						
A/0573/72 ..	X	X																																		

ANNEXE B—continued
Alterations and Additions
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	SNIFE	GULL	HAWK	TEAL	IBIS	PATROLBOATS	FLINDERS	OTWAY	OVENS	ONSLow	TRV's	
	A/0107/70				X	X	X	X	X	X			X	X	X																			
A/0469/72				X			X																											
A/0554/72	X			X																														
A/0779/73	No Ships Affected																																	
A/0614/73				X																		X	X			X	X							
A/0457/72				X											X	X																		
A/0803/73		X		X																														
A/0052/70				X		X	X	X	X						X	X																		
A/0820/74				X	X																													

ANNEXE B—continued
Alterations and Additions
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	SNIFE	GULL	HAWK	TEAL	IBIS	PATROLBOATS	FLINDERS	OTWAY	OVENS	ONSLow	TRV's		
	A/0707/73				X	X																													
A/0385/72				X	X	X	X	X																											
A/0777/73					X	X	X	X	X	X	X	X	X	X																					
A/0367/72																			X																
A/0088/70	X			X	X	X				X	X	X	X	X																					
A/CCSP/00800		X		X																															
A/YBGH/00776			X	X																															
A/KRGA/00544		X		X																															
A/FACH/00462			X	X																															
A/GJFB/00260		X	X																																

Alterations and Additions

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	GULL	HAWK	TEAL	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	TRV's	
	A/0294/71				X														X										X						
A/YABK/00235		X	X																																
A/GJFC/00337		X	X																																
A/YBCF/00557		X	X																																
A/RAJA/00883		X	X																																
A/0845/74			X				X																												
A/0404/72			X								X	X																							
A/0826/73			X								X	X																							
A/0130/70			X										X	X	X																				
A/0702/73																																			

Alterations and Additions

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	GULL	HAWK	TEAL	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	TRV's		
	A/0836/74		X		X																															
A/0854/74			X	X																																
A/0822/74			X	X																																
A/0728/73				X																								X								
A/0583/73			X	X																																
A/0581/73			X	X																																
A/0608/72				X					X	X																										
A/0693/73			X	X																																
A/0805/73				X																			X	X		X	X									
A/0857/73				X		X	X	X	X																											

Alterations and Additions

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	GULL	HAWK	TEAL	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	TRVs	
	A/0252/71			X	X																														
A/0838/74		X		X																															
A/0409/72 (Amend 1)..			X	X																															
A/0386/72							X																												
A/0304/71				X	X	X	X	X	X	X	X																								
A/0489/72				X											X																				
A/0659/73 (Amend 1)..																																			
A/0486/72				X	X	X																													
A/0546/72	X			X																															
A/0792/73				X														X																	

Alterations and Additions

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	GULL	HAWK	TEAL	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	TRVs	
	A/0732/73					X										X	X																		
A/0706/73					X										X	X																			
A/0793/73					X													X																	
A/0191/71	X				X																														
A/0791/73				X	X																														
A/0710/73				X	X																														
A/0796/73				X	X																														
A/0460/72				X	X																														
A/0810/73				X	X																														
A/0630/72				X								X	X	X																					

ANNEXE B—continued
Alterations and Additions
SHIPS

356/74

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	GULL	HAWK	TEAL	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OYENS	ONSLOW	TRVs		
	A/0781/73	X		X																																
A/0643/73			X	X																																
A/0808/73				X	X																															
A/0804/73																																				
A/0207/71	X		X																																	
A/0362/71	X																																			
A/0653/73	X																																			
A/0773/73					X																															
A/0381/72	X																																			
A/0447/72	X																																			

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ANNEXE B—continued
Alterations and Additions
SHIPS

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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	GULL	HAWK	TEAL	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OYENS	ONSLOW	TRVs		
	A/0746/73																																			
A/0434/72																																				
A/0758/73																											X									
A/0451/72																											X									
A/0632/73				X						X	X																									

356/74

ANNEXE B—continued
Alterations and Additions
ESTABLISHMENTS, ETC.

356/74

Alteration and Addition Number	9	8	7	6	5	4	3	2	1	0																													
	Sig	Rer																																					
	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	TARANGAU	LONSDALE	NIRIMBA	LEEWIN	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	EDP
A/0791/73																				X	X	X	X	X	X	X									X				
A/0710/73																				X		X	X	X	X	X	X												
A/0796/73																				X		X	X	X	X	X	X												
A/0460/72																				X		X	X	X	X	X	X												
A/0810/73																				X	X	X	X	X	X	X										X			
A/0630/72																				X	X	X	X	X	X	X										X			
A/0781/73																				X		X	X	X	X	X	X									X			
A/0643/73																				X	X	X	X	X	X	X								X		X			
A/0808/73																				X	X	X	X	X	X	X							X		X				
A/0804/73							X													X	X	X	X	X	X	X									X				

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ANNEXE B—continued
Alterations and Additions
ESTABLISHMENTS, ETC.

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Alteration and Addition Number	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS	LSTDG	OIC (M)	LCHs	C of P SYDNEY	DVGS	DESD	DFM (SM)	DMED	CAIKNS	NOC QLD																								
	A/0791/73					X	X	X	X				X																												
A/0710/73					X	X	X	X																																	
A/0796/73					X	X	X	X																																	
A/0460/72					X	X	X	X																																	
A/0810/73					X	X	X	X				X																													
A/0630/72					X	X	X	X				X																													
A/0781/73					X	X	X	X																																	
A/0643/73					X	X	X	X				X																													
A/0808/73		X			X	X	X	X				X																													
A/0804/73					X	X	X	X				X				X	X																								

356/74

ANNEXE C

Fieldchanges
SHIPS

Fieldchange RAN 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	GULL	HAWK	TEAL	IBIS	PATROLBOATS	FLINDERS	OXLEY	OTWAY	OVENS	ONSLow	TRYS	
F/SRA-22/009												X	X	X																					
F/SPS-10F/015												X	X	X																					
F/SPS-10F/014				X								X	X																						
F/SRC-20/010				X					X	X	X																								
F/SRC-21/009				X					X	X	X																								
F/URC-9/004				X					X	X	X																								
F/URT-24/003	X	X	X	X	X	X	X	X	X	X	X				X	X	X		X									X	X	X	X	X			
F/UPX-11/007				X								X	X	X																					
F/UPX-17/003				X								X	X	X																					
F/3JTC/003	X																																		
F/3JTC/002	X																																		

ANNEXE C—continued

Fieldchanges
ESTABLISHMENTS, ETC

Fieldchange RAN Number	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	TARANGAU	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/SRA-22/009																					X		X	X	X	X	X	X									X					
F/SPS-10F/015																					X		X	X	X	X	X	X										X				
F/SPS-10F/014																					X		X	X	X	X	X	X										X				
F/SRC-20/010																					X		X	X	X	X	X	X										X				
F/SRC-21/009																					X		X	X	X	X	X	X										X				
F/URC-9/004																					X		X	X	X	X	X	X										X				
F/URT-24/003			X					X		X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X										X				
F/UPX-11/007																					X		X	X	X	X	X	X										X				
F/UPX-17/003																					X		X	X	X	X	X	X										X				
F/3JTC/003																	X				X	X	X	X	X	X	X	X										X				
F/3JTC/002																X					X	X	X	X	X	X	X	X										X				

ANNEXE D—continued

Shipalts
ESTABLISHMENTS, ETC.

Shipalt Number	9 Sig Reg	RN MAURITIUS	CERBERUS	CERBERUS (WHGR)	HARMAN	COONAWARRA	MELVILLE	MORETON	TARANGAU	LONSDALE	NIRIMBA	LEEWIN	ENCOUNTER	HUON	CRESSWELL	ALBATROSS	PENGUIN	PLATYPUS	WATERHEN	KUTTABUL	FOCAF	FOCEA	GMGID	GMWD	RANTAU	GOSIE.AA	CSS	DLS	DAS	DMS	DA (M)	SMSO (S)	SGSO	SLSO	SASS	NTS ANNEXE	GMGID (EWQ)	GMWD (SWE)	DNS	EDP	
S/348																			X	X	X	X	X	X	X									X					
S/282																			X	X	X	X	X	X	X									X					
S/298																			X	X	X	X	X	X	X									X					

ANNEXE D—continued

Shipalts
ESTABLISHMENTS, ETC.

Shipalt Number	RANTE	BENDIGO (RNO)	HYDROGRAPHER	WATSON	DSD ANNEXE	DSD RUSSELL	DSUS	LSTDC	OIC (M)	LCHs	DVGS	DWSD	DMED	DESD																														
S/348			X	X	X	X			X																																	
S/282			X	X	X	X			X	X	X																															
S/298			X	X	X	X			X			X																														

(400/30/19)

(Navy Order 23/74)

RESTRICTED

RESTRICTED

DW LS

ANOs 357/74-373/74



AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
6 December 1974.

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 3461.

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

**357/74—RAN Fleet Air Arm—Master Modification Index—
Short Title MMI**

1. The Master Modification Index is being introduced to provide a datum against which the existing modification standard of aircraft, aircraft engines, equipment support and test equipments can be compared. This publication will supersede the Retrospective Modification Booklet.

2. The MMI which will be issued as AP (RAN) 81 will contain information regarding those modifications adopted by the Australian Naval Aircraft Modification Committee for which a MODAV has been issued. Information listed against each modification will include an abbreviated title, classification, leaflet and MODAV number. The MMI will be divided into sections each covering a modification series, eg, Tracker aircraft, Aviation Armament.

3. Amendment of the publication will be updated by change action every six months. Holders of the MMI are to keep the publication up to date by appending manuscript amendments from the information contained in MODAV messages and from issues of the Consolidated Modification List.

(N7610/1/38)

UNCLASSIFIED

**358/74—Safety—Fitting of Temporary Guard Rails on HMA Ships—
Precautions**

1. During a dockyard refit of one of HM aircraft carriers, a fatal accident occurred when a dockyard employee leant against a temporary rail, which gave way.

2. To prevent any recurrence of this sort of accident, the following precautionary measures should be adopted when fitting temporary guard rails:

- a. a bottle screw and slip should be fitted at one end of a wire only; the other end of the wire should be shackled direct to its stanchion;
- b. the length of wire should permit at least half the length of the male screw to extend into the cavity of the bottle when the wire is taut;
- c. the ends of the male screws, should, if not modified as in Paragraph 3, be spot welded at the ends of the thread to prevent disengagement of the male screw.

New Manufacture

3. The end of the male screw should be fitted with a washer secured with a $\frac{1}{8}$ " steel split pin to prevent disengagement from the female section. The split pin should be opened sufficiently to prevent any possibility of it being knocked out accidentally or being easily removed.

4. Navy Order 440/71 is hereby cancelled.

(Navy Order 440/71)

(1211/51/525)

Section 2

PERSONNEL

UNCLASSIFIED

359/74—Diving—Treatment of Decompression Sickness and Pulmonary Barotrauma

Introduction

1. This order cancels Navy Order 132/73 and all treatment sections of ABR 1991 and ABR 155, Chapter 33. Both documents are to be noted accordingly.

2. Since 1966 much progress has been made in determining the correct treatment of decompression sickness and pulmonary barotrauma. The aim of this order is twofold:

- a. to be used as a guide for instruction on this subject; and
- b. to provide an easy and rapid method of selecting the appropriate treatment based on symptoms and the availability of personnel and equipment. Profiting from the experience of the Royal Navy, publication of metricated tables has been withheld to avoid the possibilities of confusion in the use of diving and associated equipment. Metricated tables will be issued to coincide with equipment conversion.

General

3. The rapid and correct selection of treatment for decompression sickness and pulmonary barotrauma is vital and dependent on the following factors:

- a. symptoms;
- b. availability and type of recompression facilities;
- c. availability of oxygen; and
- d. availability of a Medical Officer specialised in underwater medicine.

Only by assessing these four factors can the supervisor of the treatment determine exactly what treatment should be given.

Symptoms

4. For treatment purposes symptoms are divided into four distinctive groups, namely:

- a. Pulmonary barotrauma with air embolism.
- b. Pulmonary barotrauma without air embolism.
- c. Serious decompression sickness.
- d. Mild decompression sickness.

5. Symptoms of Pulmonary Barotrauma with Air Embolism

- a. Coughing of frothy, bright coloured blood.
- b. Unsteadiness; staggering.
- c. Convulsions.
- d. Unconsciousness.

6. Symptoms of Pulmonary Barotrauma without Air Embolism

- a. Sub-sternal chest pain usually made worse on deep inspiration.
- b. Difficulty in breathing.
- c. Crackling sensation felt around neck.

7. Symptoms of Serious Decompression Sickness

- a. *Spinal Bend*—Paralysis, tingling or numbness of limbs.
- b. *Cerebral Bend*—Unconsciousness, convulsions, visual disturbances, confusion.
- c. *Staggers*—Inability to balance, giddiness or vomiting.
- d. *Chokes*—Pain or tightness in chest, breathlessness, shallow breathing, collapse.

Note: There are similarities between serious decompression sickness and pulmonary barotrauma with air embolism, but the initial treatment is the same and final diagnosis can be made after the patient has been recompressed.

8. Symptoms of Mild Decompression Sickness

- a. Pain affecting one or more joints with no other symptoms.
- b. Skin rash or localised swelling.

Contents

Annexe A—Selection and supervision of treatment.

Annexe B—Treatment procedures.

Annexe C—Decompression tables.

Annexe D—Oxygen administration rules.

Annexe E—Use of one compartment RCC for therapeutic treatment.

Annexe F—Personnel limitations on completion of treatment and treatment of recurrence of symptoms.

Annexe G—Information required for signalled/telephone diagnosis.

ANNEXE A

Selection and Supervision of Treatment

Availability and Type of Recompression Facilities

1. For the purpose of treatment there are two types of Recompression Chambers (RCC). Treatment may also be carried out in the water if no chamber is available.

2. *Two Compartment RCC*—an RCC which will allow personnel to enter or leave the chamber whilst the patient remains under pressure.

3. *One Compartment RCC*—an RCC which will not allow personnel to enter or leave the chamber whilst the patient is under pressure. **At no time, other than on the advice of a Medical Officer qualified in Underwater Medicine, is the patient to be treated in a one man RCC breathing 100 per cent oxygen at a depth in excess of 30 feet of seawater.**

4. *Open Water (Wet) Recompression*—when no RCC is available and when absolutely necessary, limited treatment can be carried out in the water.

Availability of Oxygen and a Medical Officer Specialised in Underwater Medicine

5. Treatment of the patient can be varied if both oxygen and a Medical Officer Underwater Medicine specialist are available.

6. In addition the specialist Medical Officer may recommend variation of the treatment in specific cases or if oxygen is not available. To avoid misinterpretation of these tables they are not published in this order.

Supervision of Therapeutic Recompression

7. Therapeutic recompression is normally to be supervised by an officer qualified in clearance diving or, if one is not available, a senior clearance diving sailor.

ANNEXE A—continued

8. Any diver who is thought to require therapeutic treatment is to be treated strictly in accordance with the directions of this order except on the advice of a specialist Medical Officer (*see* Paragraph 6). **It is essential that all diving supervisors understand that even symptoms which could be attributed to some other causes, for instance, a recent injury, are to be considered as decompression sickness since such an injury can bring on a bend and only recompression will provide the answer.** Recompression is most unlikely to do harm and may prevent very serious consequences.

9. Medical advice is **always** to be sought when therapeutic recompression treatment is required. Treatment should be commenced immediately if such advice is not available at the time of the incident. Initially this medical advice could well be limited to that provided by either naval or civilian personnel with no experience in underwater medicine. It should be remembered that such clinical advice is invaluable from the purely medical aspects.

10. In all cases, and at the first available opportunity, specialist advice is to be sought by:

- a. Telephoning the Officer-in-Charge, School of Underwater Medicine at HMAS PENGUIN (02-9691444) or, in his absence the Officer-in-Charge of the Diving School on the same number. Out of working hours the Duty Diving Supervisor should be called on 02-9600321.

Note: The telephone number of HMAS PENGUIN is 02-9691444 and direct dialling is available through 9600 followed by the extension number. There are twenty lines available to the main exchange but only four lines available for direct dialling. Therefore, during working hours, an emergency call is best directed through the main exchange which also has the facility to cut across engaged numbers.

- b. If a telephone is not available, by immediate signal in the format at Annex G to this order.

Treatment

11. In most cases the treatment required will be conducted in a series of steps. The first step will be dependent upon the circumstances indicated by Paragraphs 1 to 6 of this Annex and subsequent steps will depend upon changes in symptoms or change in facilities available. The treatment procedures are laid down in Annex B, subsequent steps involve a series of Decompression Tables which are included in Annex C. Each decompression table has a specific number (eg, Table 5E), and is included to cover the eventuality of an accident taking place in an area where non-RAN specialist advice is available.

ANNEXE B**Treatment Procedures**

1. The following treatment procedures A to K, are framed around the symptoms and personnel/equipment availability outlined in Paragraphs 2 to 11 of Annex A. References to a Medical Officer in the following procedures and tables are to a Medical Officer qualified in Underwater Medicine. If such a specialist is not available procedures A to C are not to be used.

2. The following table should be used to determine the appropriate treatment procedure to be undertaken in each case.

ANNEXE B—continued

Diagnosis	Medical Officer Available			Medical Officer Not Available		
	Recompression chamber availability					
	2 Compt.	1 Compt.	Nil	2 Compt.	1 Compt.	Nil
Serious Decompression Sickness	B	J	G	E	J	G
Mild Decompression Sickness	A	J	H	D	J	H
Pulmonary Barotrauma with air embolism	C	C	I	F	F	I
Pulmonary Barotrauma without air embolism ..	Treatment Procedure K is used for all cases of pulmonary barotrauma without air embolism					

Example; If the supervisor has diagnosed mild decompression sickness and has a two compartment RCC but no doctor available, treatment procedure D should be used.

Treatment Procedure A**Mild Decompression Sickness When a Medical Officer and Two Compartment Chamber are Available**

- Step 1 The patient is to commence breathing 100 per cent oxygen prior to descent and then be recompressed to 60 feet over 1-2 minutes. Record elapsed time from arrival at 60 feet.
- Step 2 If symptoms are relieved within 10 minutes at 60 feet, decompress in accordance with Table 6A.
- Step 2A If symptoms are not completely relieved within 10 minutes at 60 feet, the Medical Officer may recommend:
- (1) decompression on Table 6B;
 - (2) a longer deeper air table; or
 - (3) use of special oxygen/nitrogen mixtures.

Treatment Procedure B**Serious Decompression Sickness When a Medical Officer and Two Compartment Chamber are Available**

- Step 1 The patient is to be pressurised without delay with air to 165 feet at the fastest rate that can be tolerated by him. If pain increases during the descent, the descent must be halted and then continued at a slower rate more tolerable to the patient.

ANNEXE B—continued

- Step 2 If symptoms are fully relieved on arrival at 165 feet treatment Table 5B is used.
- Step 2A If symptoms are not fully relieved on arrival at 165 feet or are relieved after 30 minutes at 165 feet, use treatment Table 5C, but where there is the slightest doubt about the completeness of recovery remain at 165 feet for two hours and use Table 5D when oxygen is available or 5E when oxygen is not available. **When Table 5D is used, both patient and attendant are to breathe oxygen as indicated.**
- Step 3 If the conventional therapies outlined in the above paragraphs do not succeed promptly, the therapeutic depth of 165 feet may be exceeded on the recommendation of the Medical Officer, treatment Table 7 is included as a guide to the type of decompression that may then be followed. The Medical Officer may also recommend decompression on Table 5, but may change to Table 6, using oxygen from 60 feet to the surface.

Treatment Procedure C

Pulmonary Barotrauma With Air Embolism When a Medical Officer and Any Recompression Chamber are Available

- Step 1 Place patient in chamber on his left side, tilted with head down and recompress on air at the fastest rate that can be tolerated by the patient to 165 feet.
- Step 2 If symptoms are fully relieved on arrival at 165 feet use Table 5C.
- Step 2A If symptoms are not fully relieved on arrival at 165 feet use Table 5D if oxygen is available or Table 5E if oxygen is unavailable.
- Step 3 If symptoms indicate that further relief is needed the Medical Officer may recommend the use of Tables 7, 9 or 10 or the use of special oxygen/nitrogen mixtures.

Treatment Procedure D

Mild Decompression Sickness When a Two Compartment Chamber is Available

- Step 1 Place the patient in the chamber and pressurise at a steady rate of 25 feet per minute to 66 feet.
- Step 2 If pain is fully relieved within 10 minutes at that depth the chamber pressure is to be increased as soon as relief is reported, to 100 feet, and Table 5A used.
- Step 2A If pain is not fully relieved within 10 minutes at 66 feet, and sooner if pain continues to be severe, the chamber pressure should be increased to 165 feet.
- Step 3 If pain is fully relieved within 30 minutes decompress using Table 5B.
- Step 3A If pain is not fully relieved within 30 minutes, maintain pressure constant at 165 feet and wait until medical advice is received.

ANNEXE B—continued

Treatment Procedure E

Serious Decompression Sickness When a Two Compartment Chamber is Available

- Step 1 The patient is to be pressurised without delay with air to 165 feet at the fastest rate that can be tolerated by the patient (usually 25-50 feet per minute). If pain increases during the descent, the descent must be halted and then continued at a rate more tolerable to the patient. If the patient is unconscious, there is a danger that vomit may be inhaled. He is to be placed in the chamber prone and the head is to be turned to one side with the airway clear.
- Step 2 If symptoms are fully relieved on arrival at 165 feet treatment Table 5C is to be used.
- Step 3 If the symptoms are fully relieved within 30 minutes at 165 feet, use treatment Table 5C.
- Step 3A If there is doubt about the completeness of recovery after 30 minutes at 165 feet, remain at that depth for two hours and then surface on Table 5E.

Treatment Procedure F

Pulmonary Barotrauma With Air Embolism When Any Recompression Chamber is Available

- Step 1 Place the patient in the chamber on his left side, tilted with head down.
- Step 2 Recompress on air at the fastest rate that can be tolerated by the patient to 165 feet.
- Step 3 If symptoms are fully relieved on arrival at 165 feet use Table 5C.
- Step 3A If symptoms are not fully relieved on arrival at 165 feet maintain pressure constant until medical advice is available.

Treatment Procedure G

Serious Decompression Sickness When No Recompression Chamber is Available

If there is no chamber in which the patient can be treated, consideration must be given to dressing the diver and sending him down again. **Success is uncertain** and if the diver is brought up too quickly after recompression due to adverse conditions in the water, the symptoms may recur in a more severe form than they were originally. Sufficient compressed air for the duration of the treatment is obviously essential and the diver is to be dressed quickly and sent down with another diver to attend him in the water. The diver is to be supported (eg, a suspended chair) and the efficiency of the support, the degree of exhaustion of the diver and the temperature of the water are to be taken into account when deciding which table is to be used.

- Step 1 The diver is to be lowered to 100 feet and is to remain at this maximum depth for 5 minutes.
- Step 2 If conditions allow, decompress in accordance with Table 8A.

ANNEXE B—continued

Step 2A If conditions of cold, tide, weather and exhaustion of the diver do not allow the use of Table 8A, then Table 8B should be used. But this reduces the chances of success of these heroic measures.

Note: If the above treatment cannot be carried out the patient must be kept as still and quiet as possible. He should be given 100 per cent oxygen by bag and mask if available.

Treatment Procedure H

Mild Decompression Sickness When No Recompression Chamber is Available

- Step 1 Place the patient on 100 per cent oxygen and await the advice of a Medical Officer.
- Step 2 After half an hour the patient is taken off oxygen and allowed to breathe air for 5 minutes. If symptoms return or become worse during the rest period he is to resume breathing 100 per cent oxygen.
- Step 3 This cycle should continue until medical advice is received.

Treatment Procedure I

Pulmonary Barotrauma With Air Embolism When No Recompression Chamber is Available

Place the patient on his left side, tilted with head down and administer 100 per cent oxygen by mask and rebreathing bag, and transfer patient as quickly as possible to the nearest recompression chamber. The patient is to be kept as still and quiet as possible.

Treatment Procedure J

Decompression Sickness in a One Compartment Chamber

- Step 1 As far as practicable, treatment is to be governed by the same rules as those for treatment in a two compartment chamber. The transfer of the patient from a one compartment chamber to a two compartment chamber by surface decompression technique, should only be considered in a real emergency, and then only on the advice of a Medical Officer who must be experienced in diving physiology. If a transfer under pressure capability exists, the patient should be transferred from the one compartment recompression chamber to a two compartment RCC as soon as possible.
- Step 2 Exceptions to the above, in the case of mild decompression sickness only, are:
- If a Medical Officer or two compartment chamber are available within 2 hours the patient should be placed on pure oxygen in the vicinity of the one compartment chamber.
 - If a sailor qualified in Underwater Medicine is available the patient should be placed on pure oxygen and compressed to 30 feet whilst specialist advice is being sought.

Note: If the symptoms become more severe or a new site is affected, treatment is not to be delayed further and full treatment is to be implemented.

ANNEX B—continued

Treatment Procedure K

Treatment of Pulmonary Barotrauma Without Air Embolism

- Step 1 Administer 100 per cent oxygen by mask and rebreathing bag, and await the advice of a Medical Officer specialised in Underwater Medicine.
- Step 2 If the patient's clinical condition deteriorates, and if a recompression chamber, with oxygen is available, Table 6 should be instituted. If a RCC is available without oxygen, Table 5C may be instituted. In either case immediate recourse should be made to obtain medical advice.

ANNEXE C

Decompression Tables

Air Decompression Therapies—Table 5

Descent time is not included with bottom time.

Record elapsed time (which is given below as hours and minutes in brackets) from the time of arrival at maximum pressure. Stoppage in hours (hr) and minutes (m) at different gauge pressures and depths. Time of leaving (L) a stop is also given. Ascent between each stoppage is to take five minutes and has not been included in the times.

Patient is to remain in chamber for at least one minute after arrival on surface.

psig	Feet Seawater	5A	5B	5C	5D	5E
73.4	165	—	30m (L00 30)	30m (L00 30)	2hr (L02 00)	2hr (L02 00)
62.3	140	—	12m (L00 47)	12m (L00 47)	30m (L02 35)	30m (L02 35)
53.4	120	—	12m (L01 04)	12m (L01 04)	30m (L03 10)	30m (L03 10)
44.5	100	30m (L00 30)	12m (L01 21)	12m (L01 21)	30m (L03 45)	30m (L03 45)
35.6	80	12m (L00 47)	12m (L01 38)	12m (L01 38)	30m (L04 20)	30m (L04 20)
26.7	60	30m (L01 22)	30m (L02 13)	30m (L02 13)	6hrs (L10 25)	6hrs (L10 25)
22.3	50	30m (L01 57)	30m (L02 48)	30m (L02 48)	6hrs (L16 30)	6hrs (L16 30)
17.8	40	30m (L02 32)	30m (L03 23)	30m (L03 23)	6hrs (L22 35)	6hrs (L22 35)
13.4	30	1hr (L03 37)	2hrs (L05 28)	12hrs (L15 28)	11hrs (Air)	12hrs (L34 40)
					1hr (O ₂) (L34 40)	
8.9	20	1hr (L04 42)	2hrs (L07 33)	2hrs (L17 33)	1hr (Air)	4hrs (L38 45)
					1hr (O ₂) (L36 45)	
4.5	10	2hrs (L06 47)	2hrs (L09 38)	2hrs (L19 38)	1hr (Air)	4hrs (L42 50)
					1hr (O ₂) (L38 50)	
	Surface	Arrive 06 52	Arrive 09 43	Arrive 19 43	Arrive 38 55	Arrive 42 55

ANNEXE C—continued

Table 6

Oxygen Therapies

Commence oxygen breathing prior to descent, the attendance may remain on air unless it is a repetitive dive for him or the treatment schedule is lengthened, in which case he must breathe oxygen for the final 30 feet to the surface.

Descend in one or two minutes; descent time is NOT included with bottom time. If serious symptoms are present descend as rapidly as possible. If symptoms are of pain only do not exceed a rate tolerable to the patient.

Record elapsed time from the time of arrival at 60 feet.

Ascent is at a continuous bleed rate 1 foot/minute; do not compensate for slowly by subsequent acceleration. If necessary halt ascent if rate has been exceeded. Also halt ascent if rate cannot be maintained accurately during flushing of chamber.

Oxygen toxicity has occurred on these tables and the attendant and supervisor must be prepared. If it does, halt ascent, remove mask, maintain depth, protect the tongue of the convulsing patient, protect him from injuring himself. Fifteen minutes after fit or other reaction is over continue ascent on Table 5E.

Table 6A

Elapsed time (hrs and mins)	Depth		Breathing Mixture	Duration
	psig	Feet Seawater		
00.00	26.7	60	O ₂	20m
00.20				5m
00.25				20m
00.45				30m
01.15	13.4	30	Air	5m
01.20				20m
01.40				5m
01.45				30m
02.15	—	—	Air	—

Table 6B

00.00	26.7	60	O ₂	20m	
00.20				Air	5m
00.25				O ₂	20m
00.45				Air	5m
00.50	13.4	30	O ₂	20m	
01.10				Air	5m
01.15				O ₂	30m
01.45				Air	15m
02.00	—	—	O ₂	60m	
03.00				Air	15m
03.15				O ₂	60m
04.15				Air	30m
04.45	—	—	Air	—	

ANNEXE C—continued

Table 7

Maximum Air Therapy

(Only to be used on the advice of a Medical Officer experienced in diving physiology.)

Descent from, and previous time at, 165 feet or below is not included in bottom time.

Maximum pressure available may be less than in the table, and depends on maximum working pressure of the chamber.

Record elapsed time (which is given below in hours and minutes) from time of arrival at maximum pressure.

Ascent is to be continuous at the rates indicated. Do not compensate for slowing by subsequent acceleration. Halt ascent if rate has been unintentionally exceeded. Also halt ascent if rate cannot be maintained accurately during flushing of chamber or use of air lock. (Particular attention is required for the last few feet; if air begins to escape around door seal, compensation by admitting more compressed air may be needed. The gauges may indicate arrival on the surface while there is still some pressure within the chamber, and in this circumstance continue to vent at the established rate until equalised.)

Elapsed time (hrs and mins)	Depth		Stoppage	Rate of Ascent
	psig	Feet Seawater		
00.00	102.2	At 230	30	—
00.30	102.2	L 230	—	6 ft/min
00.35	88.9	L 200	—	15 ft/hr
03.35	68.9	L 155	—	10 ft/hr
07.05	53.3	L 120	—	6 ft/hr
15.25	31.1	L 70	—	4 ft/hr
22.55	17.8	L 40	—	2 ft/hr
Approx 42.55	Arrive Surface	—	—	—

Table 8

Emergency Therapy in the Water

Descent is to take about one minute and is not included in bottom time. Elapsed time begins on arrival at 100 feet.

Table 8A

Elapsed Time	Depth	Stoppage	Rate of Ascent
00.00	At 100	5	—
00.05	L 100	—	2 ft per 3 mins
00.50	L 70	—	2 ft per 5 mins
02.17½	L 35	—	2 ft per 8 mins
04.37½	Arrive Surface	—	—

ANNEXE C—continued

Table 8B

Elapsed Time	Depth	Stoppage	Rate of Ascent
00.00	At 100	5	—
00.05	L 100	—	2 ft per 1 min
00.20	L 70	—	2 ft per 2 mins
00.55	L 35	—	2 ft per 3 mins
01.10	L 25	—	2 ft per 5 mins
02.12½	Arrive Surface	—	—

Air Embolism Therapy Tables

Table 9

Depth (Ft)	Time (Min)	Breathing Media	Total Time (Min)
165	15*	Air	15
165-60	4	Air	19
60	20	O ₂	39
60	5	Air	44
60	20	O ₂	64
60-30	30	O ₂	94
30	5	Air	99
30	20	O ₂	119
30	5	Air	124
30-0	30	O ₂	154

* Total time will vary as function of this stop. Medical attendant should take enough time to accomplish a thorough physical examination, since the ensuing treatment is based on patient's physical status.

Table 10

Depth (Ft)	Time (Min)	Breathing Media	Total Time (Min)
165	30	Air	30
165-60	4	Air	34
60	20	O ₂	54
60	5	Air	59
60	20	O ₂	79
60	5	Air	84
60	20	O ₂	104
60	5	Air	109
60-30	30	O ₂	139
30	15	Air	154
30	60	O ₂	214
30	15	Air	229
30	60	O ₂	289
30-0	30	O ₂	319

ANNEXE C—continued

1. Recompression to 165 feet should be accomplished as rapidly as possible (usually less than 1 minute).

2. Total time at 165 feet will vary with the clinical status of the patient. The attendant should take the time to make a thorough physical appraisal of the patient. If all major symptoms and signs are gone before 15 minutes total bottom time, proceed to 60 feet at 25 feet per minute on air and begin oxygen as in Table 9.

3. If serious or major symptoms or signs persist beyond 15 minutes, but show signs of moderating within 30 minutes (total bottom time), proceed to 60 feet at 25 feet per minute and begin oxygen as in Table 10.

4. If symptoms persist after 30 minutes at 165 feet remain at that depth until medical advice is available.

ANNEXE E

Therapeutic Recompression in One-man Recompression Chamber

1. One-man recompression chambers are provided for surface decompression (particularly in Minehunters) but they can be used in an emergency for the treatment of decompression sickness. However, apart from the confined space within them, they have two major disadvantages:

- a. an attendant or Medical Officer cannot enter to be with the patient; and
- b. when the patient is under pressure there may be no means of access for food, hygiene or treatment.

2. For these reasons, if a two-compartment chamber is available it should always be used. Successful treatment can, and has been, carried out in one-man chambers, although conditions may be extremely uncomfortable and unpleasant.

3. If only mild joint pain is present, air transfer (below 1,000 feet altitude) is possible provided that the hazardous interval, during which the patient is away from the immediate vicinity of both chambers, is less than 15 minutes. A one-man chamber containing a man is not to be lifted by helicopter.

4. In view of the limitations referred to above it is recommended that the following be kept readily available for all one-man chambers:

- a. about six pints of fresh water in suitable containers, with a length of non-collapsible flexible polythene tubing to assist drinking;
- b. glucose sweets;
- c. other food;
- d. reading material;
- e. writing pad and pencil;
- f. fireproof mattress;
- g. fireproof blanket;
- h. urine bottle with stopper;
- i. towel; and
- j. box of paper tissues.

5. In hot conditions salt tablets and extra fluids should also be provided for the patient. The chamber should be kept in the shade and cooled as necessary by directing fans onto wet towels placed over the chamber. The temperature within is to be determined by the comfort of the patient. A mercury thermometer is not allowed within the chamber.

ANNEXE F

Personnel Limitations on Completion of Treatment, and Treatment of Recurrence of Symptoms

1. On arrival at surface the patient should be kept close to a chamber for six hours and within one hour's travelling time for the next 18 hours.

2. *Stand-off Period.* Any diver who has had decompression sickness must have a period of recovery after completion of treatment. Decompression sickness leads to many difficulties in assessing the degree of recovery even after therapeutic recompression. No diving should be performed within one week of experiencing any manifestation of systemic decompression sickness, unless diving on 100 per cent oxygen. If

ANNEXE F—continued

any symptoms or signs of decompression sickness persist and further recompression is not advised, no diving is to be allowed until he has been examined by the School of Underwater Medicine. A long bone X-ray will be required one month after the incident.

3. Onset of new symptoms in patient or attendant or a recurrence of previous symptoms, whether occurring during treatment or after arrival at the surface. Recompress to the depth of relief of symptoms and if this is less than 30 feet recompress to 30 feet. In all cases, inform HMAS PENGUIN (*see* Annexe A) to obtain medical advice. Do not exceed 165 feet without this advice even if symptoms are not fully relieved. After 30 minutes at the depth of relief (or two hours at 165 feet if incompletely relieved) reduce pressure to next stoppage and continue on Table 5D (or, if either the previous treatment was 5D or if oxygen is not available, on Table 5E). If a suitably qualified Medical Officer is in attendance and the patient is on Table 6A, on the Medical Officer's advice, the depth may be increased to 60 feet and the patient treated on Table 6B. The schedule may be lengthened as considered appropriate by the Medical Officer.

ANNEXE G

Information Required for Signalled/Telephone Diagnosis

1. It is again emphasised that specialist medical advice must always be sought whenever therapeutic recompression is considered necessary. If such advice is not immediately available it must be obtained from the School of Underwater Medicine by immediate signal or by telephone as outlined in Paragraph 10 of Annexe A.

2. The information required by the School of Underwater Medicine is listed below in the required signal format, if the advice is sought by telephone all of this information should be in the possession of the caller.

3. *Signal Format*

IMMEDIATE

From	Originator
To	PENGUIN
Info	DEFNAV Canberra FOCEA Local Area Administrative Authority Administrative Authority

UNCLASSIFIED

SIG NXL.

REQUEST FOR UNDERWATER MEDICINE SPECIALIST ADVICE.

A. ABR 1991/ABR 155

1. Name of patient and diving qualification.
2. Record of dives during previous 48 hours excluding last dive.
3. Record of last dive.
4. Symptoms and when reported.
5. Diagnosis.
6. Treatment initiated.

ANNEXE G—continued

7. Response to treatment.
8. Availability of recompression facilities.
9. Availability of medical advice.
10. Further information considered relevant.

EXAMPLE

IMMEDIATE

From CURLEW
 To PENGUIN
 Info DEFNAV Canberra
 FOCEA
 NOCQLD
 COMAUSFLT

UNCLASSIFIED

SIG NXL

REQUEST FOR UNDERWATER MEDICINE SPECIALIST ADVICE.

A. ABR 1991/ABR 155

1. ABCD B. M. LEVER R. 100100.
2. 29 FEB 76 CABA 25 minutes to 65 feet no stops, left water 291000L.
 1 Mar 76 CDBA 40/60 18 minutes to 76 feet no stops left water 011400L.
3. 02 MAR 76 CDBA 60/40 20 minutes 107 feet stops 5 min at 20, 10 min at 10 feet left water 020830L.
4. Itchy right forearm reported 020900L sore right elbow reported 020900L.
5. Mild decompression sickness.
6. Placed in one man RCC compressed to 30 feet on oxygen.
7. No response after 10 minutes.
8. One man RCC only.
9. LSMED (UM) borne and in chamber with patient.
10. ETA Maryborough wharf 021400L availability and size of local air-field not known. ABCD LEVER was accompanied in last dive but buddy has reported no symptoms.

(327/54/114)

(Navy Order 132/73)

UNCLASSIFIED

360/74—Inter-service Sports—Reimbursement of Costs from RAN Central Canteens Fund

1. The RAN Central Canteens Board will reimburse Ships Funds and other non-public funds which incur costs in connection with inter-service sports on the following basis:

- a. reimbursement of full amount expended will be made in respect of:
 - (1) items of sporting equipment and uniforms not provided by the Service and used exclusively for inter-service sports,
 - (2) hiring of grounds, umpires and associated fees when Navy is host Service, and
 - (3) reasonable entertainment expenses to provide light refreshments for hosts and visiting teams and/or competitors at a wind up social event on completion of the competition for each individual sport. The expenses are restricted to those occasions when Navy is host Service and limited to \$1 per head;
- b. reimbursement of one-third of the amount expended on purchase of equipment and uniforms not provided by the Service and not used exclusively for inter-service sports.

2. For the purpose of this order, 'equipment and uniforms' does not extend to items of a personal nature which a sportsman of inter-service calibre should possess. Additionally, equipment and uniforms supplied should be the minimum required to ensure that Navy teams are neatly and correctly turned out, for example, tennis players should be in possession of white shorts or skirts and there should be no need to provide these items with an identifying RAN motif. Expenditure on accessories incidental to the uniform required for the competition such as warm up jackets and lapel badges also will not be subject to reimbursement. In cases of doubt, the approval of the RAN Central Canteens Board should be sought before costs are incurred. Reimbursements made prior to this Navy Order may not be considered as precedents authorising expenditure.

3. Claims for reimbursement are to be itemised in sufficient detail to enable the RAN Central Canteens Board to decide the amount for payment and forwarded to:

'The Secretary,
 RAN Central Canteens Board,
 Victoria Barracks,
 MELBOURNE VIC 3004.'

(201/54/23)

UNCLASSIFIED

361/74—Officers—Bridge Watchkeeping and Ocean Navigation Certificates

1. This order lays down those Certificates required by seaman officers. The rules for their award are shown in the Annexes to this order. These rules are currently under review, and new procedures will be promulgated in due course.
2. Certain ships by virtue of their roles cannot provide the full range of experience an Officer of the Watch in a Fleet unit requires. This limitation is accepted but Commanding Officers should ensure that the officer has adequate practical ability and knowledge to be an efficient Officer of the Watch in a Fleet unit.

3. Until a log or task book is produced, Commanding Officers are to report the progress made by officers under training for bridge qualifications when:

- a. an officer is posted from a ship before being awarded his certificates;
- b. the Commanding Officer is posted.

Reports are to be forwarded to the Naval Board, with copies to the officers concerned, and to the new Commanding Officer.

4. The award of any Certificate covered by this order is to be reported to the Naval Board on Form PA6.

5. Any of the Certificates in this order may be awarded to non-seaman officers who wish to acquire them on a voluntary basis. Training must not take place at the expense of such officers' departmental duties and must not be at the expense of the training of seaman officers. No special courses will be arranged.

6. Before a newly joined officer who holds the required Certificate is permitted to take charge of a watch at sea, the Commanding Officer is to arranged for the officer to be examined on his knowledge and application of the International Regulations for the Prevention of Collision at Sea.

7. A review of types of Watchkeeping Certificate and the conditions for their award is currently in hand. The results of this review will be included in the new ABR 27 Volume I (Officers Training).

8. Navy Order 402/71 is hereby cancelled.

ANNEXE A

Full Bridge Watchkeeping Certificate

Form of Certificate

1. It will state that the recipient:

'Has the necessary knowledge of the duties of Officer of the Watch at sea and in harbour, including measures necessary for the safety of the ship, and is competent to take charge of a watch at sea by day and by night.'

Conditions of Award

Pre-requisite

2. Ocean Navigation Certificate.

Experience Required

3. a. A minimum of eight months training in a major war vessel. Officers in possession of a Restricted or Limited Bridge Watchkeeping Certificate may be awarded the Full Certificate after a further four months training in the appropriate type of ship.
- b. The above periods are the normal minimum. Because officers undergoing training for this Certificate have varying opportunities of gaining experience at sea, it is not regarded in any way as derogatory of an officer's ability if the award is delayed until the officer has been given adequate training and experience.
- c. Circumstances may arise where minor war vessels may be engaged in operations where the experience and training given to an officer may fall little short of the requirement of an Officer of the Watch in a Fleet unit. Should an officer display above average ability in these circumstances, Lieutenants in command may recommend officers for the award of a Full Bridge Watchkeeping Certificate to the RAN Operational Authority for decision.

ANNEXE A—continued

Skills Required

4. Skills of the attainment levels shown in Appendix 1 to this Annexe.

Withholding Award

5. If the Commanding Officer is not satisfied that an officer is qualified in accordance with Paragraph 1 in the case of:

- a. a GL Seaman Officer who requires the Full Bridge Watchkeeping Certificate for promotion to Lieutenant: by the time he is due for promotion;
- b. a GL Seaman Officer transferred from SL (Fleet Air Arm) or from another branch, and a SL Seaman Officer: after twelve months sea training;
- c. an officer holding a Restricted or Limited Bridge Watchkeeping Certificate: after a further eight months sea training,

and therefore withholds the Certificate, the reasons for so doing are to be reported to the Naval Board in the form of a Special Report on Form PP101. The report is to state whether the Certificate has been withheld either because of lack of ability or lack of opportunity to be given the necessary training and experience. The report is not required in the case of an officer who is pursuing this Certificate voluntarily.

Authority to Award

6. Lieutenant-Commander and above in command.

Special Condition

7. A GL Seaman Officer is not eligible for selection for pilot or observer training until he has been awarded the Full Bridge Watchkeeping Certificate.

APPENDIX 1 TO ANNEXE A

Course Training Standards for The Award of Full Bridge Watchkeeping Certificates Attainment Levels

- | | | |
|-------------|----|---|
| 1—Expert | .. | needs no supervision; has reached a high level of performance skill; could apply skill to new situations. |
| 2—Effective | .. | needs occasional supervision; has reached an effective level of performance skill; could cope with common problems. |

Aim

To produce an officer capable of taking charge of the ship, both by day and by night, while on passage or during manoeuvres, both when operating as a single ship or in company.

<i>Skills</i>	<i>Attainment</i>
1. Con the ship with safety and confidence in close proximity to others	2
2. Direct the change-over of steering arrangements during a steering breakdown	1
3. Switch on and tune a HDWS radar, and operate user controls on a navigational radar display	2
4. Take up and maintain station by day and by night	2
5. Calculate the following relative velocity problems on a PPI and Battenberg:	
a. closest point of approach	} 1
b. course to steer to change station	
c. true wind from relative	

APPENDIX 1—continued

6. Recognise a situation which is potentially dangerous to the navigation of the ship and take the necessary avoiding action	2
7. Recognise a situation which could lead to a collision with another vessel and take the necessary avoiding action	1
8. Assess the information provided by the action information organisation and take any necessary actions	2
9. Perform the necessary chartwork in order to keep the ships track up to date and calculate future positions	2
10. Use the tactical publications available on the bridge	2
11. Supervise the operation of bridge tactical nets	2
12. Operate a tactical voice net	2

ANNEXE B

Limited Bridge Watchkeeping Certificate

1. This Certificate may be awarded to an officer in a Fleet ship of escort size and above where because of the ship's role, the officer cannot be given the experience required for the award of the Full Certificate.

Form of Certificate

2. It will state that the recipient:

'Has the necessary knowledge of the duties of Officer of the Watch at sea and in harbour, including measures necessary for the safety of the ship, and is competent to take charge of a watch at sea by day and by night when single ship steaming.'

Conditions of Award

3. *Pre-requisite.* Ocean Navigation Certificate.

4. *Experience Required.* A minimum of four months training in a major war vessel.

5. *Skills Required.* Skills of the attainment levels in Appendix 1 to Annexe A with accepted limitations in Skills Nos 1, 2 and 5.

6. *Authority to Award.* Lieutenant-Commander and above in command.

7. *Special Condition.* This Certificate will count equally with a Restricted Certificate (see Annexe C) as a qualification for promotion for a seaman officer of the Supplementary List from Acting Sub-Lieutenant to Sub-Lieutenant.

ANNEXE C

Restricted Bridge Watchkeeping Certificate

1. This Certificate may be awarded to an officer in a minor war vessel. It is considered a step towards the award of a Full Bridge Watchkeeping Certificate.

Form of Certificate

2. It will state that the recipient:

'Has the necessary knowledge of the duties of Officer of the Watch at sea and in harbour, including measures necessary for the safety of the ship, and is competent to take charge of a watch at sea by day and by night in minor war vessels.'

ANNEXE C—continued

Conditions of Award

3. *Pre-requisites.* Nil.

4. *Experience Required.* A minimum of four months training in a minor war vessel.

5. *Skills Required.* Skills of the attainment levels in Appendix 1 to Annexe A with limitations according to the type of ship and its role.

6. *Authority to Award.* Lieutenant and above in command of those ships for which the Certificate is intended.

7. *Special Condition.* This Certificate will count equally with a Limited Certificate (see Annexe B) as a qualification for promotion for a seaman officer of the Supplementary List from Acting Sub-Lieutenant to Sub-Lieutenant.

ANNEXE D

Ocean Navigation Certificate

1. This Certificate is a pre-requisite qualification to the award of a Full or Limited Bridge Watchkeeping Certificate.

Form of Certificate

2. It will state that the recipient:

'Can safely navigate a ship while out of sight of land.'

Conditions of Award

3. *Tasks:*

a. A minimum of three complete days astronomical observations. During each day the ships position is to be continually estimated from students calculations and observed positions. Nine observed positions, plus at least one fix using a long range navigational aid such as Loran, MFDF and Omega, are to be obtained to an accuracy such that reliance could be placed on them for actual operational requirements.

b. Observed positions in a. are to be obtained from:

- (1) morning stars;
- (2) sun-meridian altitude or meridian altitude-run-sun;
- (3) evening stars.

Note: The days need not be consecutive.

c. Work is to be properly laid out in a Work Book.

4. *Authority to Award.* Lieutenant or above in command.

(303/1/40)

(Navy Order 402/71)

UNCLASSIFIED

362/74—Prize—Entry 2/1972—Supplementary List Seaman Midshipman

The United Services Institution of Victoria Prize for Midshipmen SLEX entry 2/1972 has been awarded to:

P/ASLT J. L. McAREE, RAN.

(381/1/10)

UNCLASSIFIED

363/74—Sailors Appropriated to Recruiting Billets—Selection and Training

1. Sailors posted to recruiting or Naval display billets will normally undergo a course of three weeks duration at HMAS CERBERUS before taking up their duties. In order to avoid running several courses a year, changeovers will take place in March each year. Where possible when changeovers occur at other times, and a course cannot be arranged, sailors will undergo two weeks on-the-job training.

2. Volunteers are required to fill billets in the following Defence Force Recruiting and Information Centres:

Sydney	Adelaide
Newcastle	Perth
Wollongong	Hobart
Townsville	Canberra (Navy Office)
Brisbane	Naval Display (Sydney).
Melbourne	

3. When recommending sailors for recruiting or display duties, Commanding Officers should bear in mind that the first personal contact a potential recruit or his parents have with the Service is through one of these sailors. The main attributes required are good bearing, sincerity, intelligence and tact.

4. Before being considered as volunteers for recruiting duties, arrangements are to be made to have sailors interviewed by the nearest Naval Recruiting Staff Officer and Psychologist.

5. Names of recommended volunteer Chief Petty Officers and Petty Officers for recruiting and/or display duties at the above locations are to be reported on Form PA11. Copies of reports by Recruiting Staff Officers and Psychologists are to be forwarded to Department of Defence (Navy Office).

6. A roster will be maintained in Navy Office of the names of these volunteers acceptable for employment in recruiting and display billets as vacancies occur. Recruiting billets are normally of two years duration.

(311/4/148)

Section 3

OPERATIONAL AND TRAINING

UNCLASSIFIED

364/74—Report of Training of Marine Technical Category Personnel

1. Quarterly reports on the training of Marine Technical category personnel are required to reach Navy Office by the last day in March, June, September and December of each year. Reports are to be rendered by all ships in commission. Operating authorities may combine the reports of small ships under their control, ie, those ships in which an Engineer Officer is not borne.

2. The report is to contain the names of sailors who could reasonably be expected to be awarded one of the following qualifications in the ensuing three months:

- a. 13000—AWC
- b. 13520—AWCD
- c. 13040—TWC
- d. 13110—MWCD
- e. 13010—BWC
- f. 13020—EWC
- g. 13050—EWCD
- h. 33000—Completion of Task Book—Grade I
- i. 33010—Completion of Task Book—Grade II
- j. 33030—Completion of Part I NIRIMBA Task Book
- k. 33040—Completion of Part II NIRIMBA Task Book.

3. An example of a Report of Training is shown at Annexe A.

4. Navy Order 477/71 is hereby cancelled.

ANNEXE A

HMAS NOSUCHIP

21 December 1974

The Director of Sailors Postings

Department of Defence (Navy Office)

CANBERRA ACT 2600

Report of Training of Marine Technical Category Sailors for Quarter Ending 31 December 1974

Reference: ANO 364/74

Name	Rank	Personal No	Qualification No	Qualification	Forecast Date of Award
Jones, A. B.	ABMTP1	R61234	13000	AWC	FEB 75
Smith, C. D.	ABMTP2	R62345	13040	TWC	FEB 75
Black, E. F.	LSMTP2	R63456	13010	BWC	JAN 75
Green, G. H.	POMTP3	R104567	13020	EWC	MAR 75
Gray, I. J.	ABMTP1	S114678	13000	AWC	FEB 75
Gray, I. J.	ABMTP1	S115678	33000	Task Book, Grade I	JAN 75
White, K. L.	SMNMTP1	S116789	13000	AWC	FEB 75
White, K. L.	SMNMTP1	S116789	33030	Part I, Task Book	MAR 75
Stokes, M. N.	ABMTP2	S117890	33040	Part II, Task Book	FEB 75

(M. G. SEILLIG)

Lieutenant-Commander, RAN

Marine Engineer Officer

(Navy Order 477/71)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

365/74—Ammunition—Cartridge QF 40mm Break-up Shot—Gauging Before Use and Precautions

1. Cartridges QF 40mm break-up shot at present in service are fitted with shot Marks 10, 10/1 and 10/2. Quantities of this shot have been found oversize and instances reported of shot found fractured round the cannellure or loose in the cartridge case. These defects are due to the growing properties of plastics when in a humid atmosphere.

Gauging Before Use

2. HMA ships concerned are to arrange for cartridges 40mm break-up shot to be examined for shot fractures or looseness and gauged before firing. Gauge INO 13747 is to be used for this purpose and the whole shot including the driving band should pass through. Any rounds found defective are to be landed at the nearest Armament Depot and replacements drawn in lieu. One gauge per ship is allowed for ships using this ammunition.

Precautions

3. The lead filling of the shot leaves the barrel with a total energy comparable to that of an ordinary shell and though it very soon loses its initial velocity, at very close ranges it is capable of inflicting serious damage to anything in its way and especially, of course, to personnel. The greatest care must therefore be taken to ensure that the gun does not fire into own ship's structure or personnel. A clear range of at least 100 metres at 15° from the muzzle is necessary. Firing at 'live' targets must not be continued when the range becomes less than 200 metres.

4. To safeguard guns crews and others from the dangers of absorbing the lead dust that is formed when the shot disintegrates, the following rules must be observed:

- a. firing is never to be carried out on such a bearing that the smoke blows back over personnel; and
- b. should smoke blow back over personnel during firing, fire is to be checked.

It is, however, only continuous or repeated exposure to absorption that is dangerous to personnel.

5. It has been found that the use of break-up shot increases the rate of barrel wear and causes uneven wear. A pool of Mark 1 barrels for practice firings with break-up shot has been provided in the RAN and whenever possible HMA ships, should obtain barrels from this pool. However, when ships are operating off the Australia Station or when it is desired to fire twin gun units, a maximum of 200 rounds of break-up shot per barrel may be fired. One round of break-up shot is to be assessed as three equivalent full charges. Separate arrangements have been made for firing of break-up shot at training establishments.

6. When break-up shot is damaged in loading so as to spill debris, it is essential in order to avoid subsequent damage to the gun, to strip down the gun to ensure that all traces of debris have been completely removed from the mechanism.

7. Navy Order 337/71 is hereby cancelled.

(Navy Order 337/71)

(726/66/75)

UNCLASSIFIED

366/74—Conversion of US Federal Stock Number (FSN) to a National Stock Number (NSN)

1. As from 30 September 1974 the US Services discontinued the use of the existing eleven digit Federal Stock Number format, eg, FSN 6605-925-0131, and adopted the normal thirteen digit NATO style stock number format, eg, 6605-00-925-0131.

2. The latter format indicates in the fifth and sixth position, a two digit numerical nation code assigned by the NATO National Codification Bureau to the country of origin of the stock number, eg, 6605-00-013-2159. The USA has been assigned codes 00 and 01. Code 00 will identify stock numbers assigned prior to 30 September 1974 and 01 will identify stock numbers assigned on and after the above date.

3. This format is referred to by the US Department of Defense as a National Stock Number (NSN) and is structured the same as a NATO Stock Number (NSN) but differs in nomenclatures of the breakdown.

4. All forms and signals which require the inclusion of a FSN are to show the full thirteen digit stock number (NSN).

(N181/1/43)

UNCLASSIFIED

367/74—Fitting of Stern Gland Packing

1. In order to extend the service life of stern tube shafts in way of stern glands fitted with Soft Packing, one of three different types of packing is to be used in the following RAN ships:

HMAS MELBOURNE

HMAS STALWART

HMAS SUPPLY

HMAS FLINDERS

HMAS DIAMANTINA

HMAS KIMBLA

HMAS BASS

HMAS BANKS

HMAS SEAL

HMAS PORPOISE

MCMVs

Patrol Boats

Motor Lighters

LCHs

Harbour Tugs

Miscellaneous fleet and dockyard small boats.

2. Shafts in good condition that by feel have no grooving or scoring, use Fluolion emulsion packing Type I. Fluolion packing is a white asbestos packing impregnated with PTFE.

- a. *Advantages* (1) low co-efficient of friction, very low wear if not overtightened, (2) non-corrosive, (3) non-wetting nature.
- b. *Disadvantages* Low thermal conductivity which impedes dissipation of heat. Recommend maximum surface speed 1,200 ft/min.
- c. *Stocks* No stocks to be held, order as required.
- d. *Ordering* It is essential that the packing be the correct size, this can only be done by gauging the stuffing box, nominal drawing sizes are not acceptable.
- e. *Fitting* Ends are to be lightly butted with the butts staggered on the top half of the shaft, ie, 10 o'clock and 2 o'clock positions.
- f. *Adjustment* A slight gland leakage is essential to dissipate the heat due to the packing's poor conductivity.
- g. *Docking examination* .. Remove without damaging, two turns of packing, and inspect the shaft for grooving and scoring. If satisfactory replace original packing. If unsatisfactory remove Stage 1 packing and change to Stage 2.
- h. *Service life* Four years, repack with Fluolion packing if shaft in good condition.

3. Shafts which are grooved but not pitted or scored, use Sturttite packing No 331 Mica Lubricated. Sturttite is hemp yarn reinforced with strands of anti-friction metal impregnated with a base lubricant.

- a. *Advantages* (1) Pliable and seals for long life. (2) Low friction, low wear if not overtightened.
- b. *Disadvantages* High speed application to be avoided. Recommend maximum surface speed 1,200 ft/min.
- c. *Stocks* Held by General Stores as follows:
 $\frac{3}{8}$ " section Catalogue No 5330—99-923-0711
 $\frac{1}{2}$ " section Catalogue No 5330—99-923-0710
 $\frac{5}{8}$ " section Catalogue No 5330—99-923-0716
 $\frac{3}{4}$ " section Catalogue No 5330—99-923-0717
 $\frac{7}{8}$ " section Catalogue No 5330—99-923-0712
1" section Catalogue No 5330—99-923-0713
 $1\frac{1}{8}$ " section Catalogue No 5330—99-923-0714
 $1\frac{1}{4}$ " section Catalogue No 5330—99-923-0715
- d. *Ordering* The packing size should take into account the increase size due to the grooved or worn shaft.

- e. *Fitting* Ends are to be lightly butted with the butts staggered on the top half of the shaft, ie, 10 o'clock and 2 o'clock positions.
- f. *Adjustment* Allow a slight leakage for lubrication and cooling.
- g. *Docking examination* .. Remove without damaging, two turns of packing and inspect the shaft, if the Sturttite packing has been sealing the gland and there is no appreciable increase in grooving replace the original packing. If there is an increase in grooving or the packing was not sealing change to Stage 3 packing.
- h. *Service life* Repack with Sturttite No 331, at routine dockings.

4. Glands that are difficult to seal with Sturttite No 331 due to grooving, light pitting or scoring use Sturttite No 331 (Special). Sturttite (Special) has the added advantage over Sturttite No 331 in having looser and a softer plait with added lubricant.

- a. *Stocks* No stocks to be held, order as required.
- b. *Ordering* The packing size should take into account the increased size due to the grooved or worn shaft.
- c. *Fitting* Ends are to be lightly butted with the butts staggered on the top half of the shaft, ie, 10 o'clock and 2 o'clock positions.
- d. *Adjustment* Allow a slight leakage for lubrication and cooling.
- e. *Docking examination* .. If upon docking with Sturttite (Special) fitted, and the gland is not sealing, remove shaft and restore journal. If the gland is sealing replace packing for maximum reliability until next docking.
- f. *Service life* Repack with Sturttite No 331 (Special), at all routine dockings until shaft is reconditioned. Then change to Stage 1 packing.

(N2010/1/8)

UNCLASSIFIED

368/74—Support Craft—Allowance List

1. The term Support Craft includes all boats, vessels, tugs, lighters, yachts, sailing dinghies, training vessels and miscellaneous craft but excludes:

- a. patrol boats and other craft designated HMA ships;
- b. inflatable craft; and
- c. any craft allocated to Naval Reserve Cadet Units.

2. The allowance list at Annexe A to this order is based on current holdings. This does not include craft for which disposal forms (SS7 and SA210) have been raised, and obsolete craft awaiting replacement. However, whilst held these craft should continue to be shown on the annual musters in accordance with Navy Order 363/73.

Issue of Support Craft (Except 14 foot Bosun Dinghies)

3. With the exception of 14 foot Bosun dinghies, support craft for HMA ships will continue to be issued to individual ships. Those for other authorities will be issued in accordance with the following table:

<i>Column 1 (TO)</i>	<i>Column 2 (FOR)</i>
C of P Sydney (acting on behalf of FOCEA	CRESWELL PENGUIN PLATYPUS WATERHEN CDT 1 CDT 2 DT 5 RANTAU RANTME MASTER ATTENDANT NIRIMBA COMTARSERVGRU
NOCWA	LEEUWIN STIRLING CDT 4 DT 7
NOCNA	MELVILLE
NOICVIC	CERBERUS LONSDALE GMWD DT 6
NOCQLD	MORETON CAIRNS DT 8
NOIC SA	ENCOUNTER
NOIC TAS	HUON
COMPNGDEFOR	TARANGAU DT 11

4. Authorities in column 1 above may make alterations to the approved allowance list of Support Craft to authorities in their command listed in column 2. Such alterations are to be reported to Navy Office. Prior Navy Office approval must be obtained before any transfer of craft takes place between authorities in column 1 and/or HMA ships.

Issue of 14 foot Bosun Dinghies

5. Bosun dinghies will continue to be issued to ships and establishments and returned to Stores for repair or replacement through the existing stores system. However, Navy Office approval must be obtained before any changes are made to the overall allocation shown in Annexe A. Details of Bosun dinghies held are to be included in the annual muster in accordance with Navy Order 363/73.

Support Craft Disposals

6. Support Craft in excess of requirements, or uneconomic to maintain, are to be reported to Navy Office in accordance with Navy Order 363/73. Re-location or disposal action will be initiated by Navy Office.

Abbreviations

7. Abbreviations for Support Craft used in Annexe A are as follows:

AB	— Ammunition Barge
AD	— Aluminium Dinghy
AFL	— Aviation Fuel Lighter
AWB	— Australian Work Boat
AWL	— Aircraft/Water/Stores Lighter
CAL	— Concrete Ammunition Lighter
CL	— Concrete Lighter
CSL	— Crane Stores Lighter
DB	— Diving Boat
DGL	— Deperming Lighter
DTV	— Diving Training Vessels (IMS Conversions)
FMB	— Fast Motor Boat
FPB	— Fleet Personnel Boat
FUB	— Fleet Utility Boat
FTL	— Flat Top Lighter
HPB	— Harbour Personnel Boat
HUB	— Harbour Utility Boat
HTS	— Small Harbour Tug
LB	— Life Boat
LUB	— Lightweight Utility Boat
Var A	— Variant A
Var B	— Variant B
MC	— Motor Cutter
MMB	— Miscellaneous Motor Boat
MW	— Motor Whaler
MWB	— Motor Whale Boat
MWL	— Motor Water Lighter
OFL	— Oil Fuel Lighter (Dumb)
PB	— Personnel Boat
RCST	— Radio Controller Surface Target
SAR	— Search and Rescue Vessel
SMB	— Survey Motor Boat
TCV/F	— Tank Cleaning Vessel/Facility
TRV	— Torpedo Recovery Vessel
TRB	— Torpedo Recovery Boat
WB	— Work Boat
WL	— Well Lighter
W/OFL	— Combined Water/Oil Fuel Lighter

8. Navy Order 401/71 is hereby cancelled.

ANNEXE A

Authority/Unit	39/45 ft MMB	40 ft FFB	40 ft FUB	40 ft AWB	38 ft HPB	35 ft FMB	33 ft FUB	33 ft SB	33 ft HPB	32 ft MC	34 ft SMB	28 ft LB	27 ft MW	26 ft FUB	26 ft SB	26 ft HPB	26 ft DDG MWB	26 ft DDG PB	25 ft MC	25 ft HPB	30 ft PB/26 ft WB	17' 6" LUB Var A	17' 6" LUB Var B	14 ft AD	14 ft BOSUN	12 ft AD
MELBOURNE																										
STALWART																										
SUPPLY																										
DDGs (3)																										
DEs (4)																										
SWAN																										
TORRENS																										
DARINGS (2)																										
DUCHESS																										
MORESBY																										
FLINDERS																										
DIAMANTINA																										
KIMBLA																										
IBIS																										
IBIS																										
SNIPE																										
CURLEW																										
PTFs (18)																										
LCHs (8)																										
Total for Fleet Units	2	1	4	4	4	4	2	2*	33 ft HPB	1	4	4	2	7	1	3	3	3	3	10	26	20	11	8		

* Second 33' SB when supplied will replace 32MC, one 33' FUB is designated Admirals Barge reg No. B3302.

† 33' Boats when supplied will replace 25' MCs.

Authority	OFL	AFL	Sep/Sil Ltr	TCV/F	TRV/TRB	Williams Tgt	RCST	Floating Dock	Caisson	AWL/DGL	AWL	SAR	DTV	TV	Slave Dock	Yacht	W/OFL
FOCEA (C of P)																	
Master Atten	5	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1
SGSO																	
C of P (Spare)																	
COMTARSE							4										
CRESWELL					1	1				1	1					3 ^M	
PENGUIN													2				
HARMAN																	
PLATYPUS																	
KUTTABUL																	
RANTME				2 ^r													
NIRIMBA																1	
WATERHEN					2												
Totals FOCEA	5	1	1	1	5	2	4	1	2	2 ^e	1	1	2	—	1	4	—
NOCWA																	
HMAS LEEU														2 ^o			
Totals NOCWA													2				
NOCNA																	
MELVILLE	1																
Totals NOCNA	1																
NOIC VIC																	
CERBERUS						1											
LONSDALE														1 ⁿ			
WND	1										1						
Totals NOIC VIC	1					1					1			1			

UNCLASSIFIED

369/74—Timber—End of Fire Retarding Treatment

1. With reference to NCM (Naval Construction Manual)/5.0/E1 (October 1974), it should be noted that the policy of treating timber with a fire retardant has been completely discontinued.
2. The main reason for this is the appreciably greater smoke generation of fire-retarded timber when burning; therefore, ships' staff are advised that most timber items presently in use in RAN ships have been treated with a fire-retardant and will create an additional smoke hazard should a fire occur.
3. For this reason it is also advised that the policy of limiting the use of timber in RAN ships as much as possible will remain; however, where the use of timber is unavoidable or presents the most practical solution, no fire retardant treatment is to be carried out on the timber used.
4. Any timber used should be indicated as an additional hazard in any damage control data prepared for the ship.

(5510/1/1)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

370/74—Trials and Evaluations—Material/Equipment—Use of Form TT117 (1973)

1. The Staff of the Department of Defence (Navy Office), ships and establishments who become aware of advances in Materials and Equipments which may have an application within the RAN, are expected to notify the appropriate trial authorities. To enable trial proposals to be verified by Design investigations, a procedure has been introduced to enable approved environmental or user trials to be properly prepared and co-ordinated.
2. The benefits which should accrue from these investigations are greater performance, reduction in maintenance, greater reliability, and data for future design. A vital and necessary part of these investigations is the shipboard trials which form a separate function to the major ship trials covered in ABR 1921, and hence, it is not intended that sea trials, acceptance of shipborne systems, or proving trials of auxiliary machinery be included in the scope of this order.
3. To achieve a co-ordinated approach, and to ensure correct procedure for all Material/Equipment Trials, Form TT117 (1973) is to be used, and forwarded in accordance with this order to the Directorate of Naval Quality Assurance (DNQA) for proposal, approval, directive, and reporting actions.
4. Before any Material/Equipment Trial is commenced, the proposal section of Form TT117 is to be completed as detailed below and forwarded to DNQA for a trial serial number to be allocated, and the proposal to be passed to the appropriate

Navy Office Directorate for technical investigation and possible amendment. In addition, DNQA will, as necessary, provide any other information to assist in trial definition and approval, and later comment on trial viability and reports at all stages of the investigation.

5. Following rationalisation of the trial proposal, Form TT117 will then be forwarded to the approving Directorate. It is stressed that all trial proposals for Material/Equipment evaluation must be initiated in this manner before the trial is commenced/installed.

6. Information required for each section of the Material/Equipment Trial, Form TT117 is as follows:

a. Proposal

- (1) Details must be included of the characteristics of the Material/Equipment and the expected advantages if used in HMA ships and establishments, together with any details of the Material/Equipment available from the manufacturer which may be useful to determine the extent of the Shipboard/Establishment evaluation.
- (2) Cost of Material/Equipment including manhours for installation and supply costs if applicable, and any other costs expected for the duration of the trial. When a manufacturer supplies the Material/Equipment free for trial purposes, the installation manhours are also to be included.
- (3) The aims and detailed instructions for the execution of the trial, expressed in a manner that will enable the Design Directorates to obtain the maximum amount of relevant information in respect to possible adoption of the Material/Equipment for RAN use.

b. Approval

The Approving Directorate will ensure that:

- (1) Adequate information in respect of the aims and instructions related to the trial are provided by the proposer.
- (2) On approval, allocation and provision of adequate finance.

c. Directive

DNQA will issue the approved Form TT117 to enable the Material/Equipment trial to commence.

Reports

7. Reports concerning all Material/Equipment must be provided on Form TT117 in accordance with the following:

a. Installation Report

This report is to include date of installation, and any departure from the specified installation methods.

b. Progress Reports

Sequentially numbered progress reports showing current status of the Material/Equipment under trial are to be forwarded at regular intervals as indicated by the trial directive. These interim reports should contain the maximum information for the Design Directorate's guidance, consistent with the trial directive requirements.

c. Final Report

A final report, complete with recommendations, is to be forwarded at the conclusion of the trial for decision from the appropriate Directorates regarding adoption.

d. Form Use

Trial reports are to be submitted on the appropriate section of Form TT117 with the type of report indicated in the box provided.

8. All trial proposal forms and reports are to be forwarded to DNQA with a covering letter.

9. The sample Forms TT117 are shown as Annexes A and B. Annexe A is the proposal as submitted by DFM and shows no Navy Office entry. This is the manner in which a Form TT117 should be presented by the trial proponent. Annexe B is the Progress Report No 1 on the same trial on the reports side of the form. Three top headings are required, Navy Office File Number, Trial Location, and Trial Serial Number; to be followed by the report.

(N464/78/410)

ANNEXE A

MATERIAL/EQUIPMENT TRIAL -- PROPOSAL

TT117
(1973)

* NAVY OFFICE APPROVAL MUST BE OBTAINED BEFORE COMMENCEMENT OF TRIALS

NOTE: Trial results to be reported on reverse side of form

MATERIAL/EQUIPMENT on which trial is to be conducted (Describe fully)		Manufacturer/Supplier	
MITSUBISHI IONIC AIR CLEANER - MODEL K50 3B		SCHLEGEL MANUFACTURING CO (Aust) Pty. Ltd.	
		Suggested Reporting Frequency	
		Monthly	
Official correspondence must accompany this trial proposal and be forwarded to DNQA			
TRIAL PROPOSAL To include:- Reasons for trial, applications, installation, estimated costs, man hours etc.			
TO ESTABLISH EFFECTIVENESS THE IONIC AIR CLEANER AS A REPLACEMENT FOR PREVIOUSLY FITTED VOKES MODEL Q4075 TOBACCO SMOKE FILTERS.			
1. The air purifier is to be installed in various compartments throughout the ship during the trial period of three months.			
2. Points to be evaluated are as follows:-			
(a) Effectiveness in purifying air in living spaces. (Visual + Ocular)			
(b) Noise level at different speeds of operation			
(c) Breakdown and serviceability of equipment over the trial period			
(d) Availability of spares.			
3. Reports are to be forwarded monthly until completion.			
4. Trial equipment is being loaned by the manufacturer for evaluation, and nil costs are involved for installation.			
Originated By	DFM	Cost Estimate	\$ Nil
Suggested Location of Trial (Ship/Establishment)		HMAS STALWART	
Signature, Date	J.W. Puffwell 18, 7, 73	Rank/Appointment	T.O.2.

NAVY OFFICE USE ONLY		Trial Location	Trial No.
Associated references		HMAS STALWART	NOF No.
Directive by Approving Authority			
Approved By (Signature)			
Rank/Appointment		Finance Authority	
		EA No.	Amount

ANNEXE A--continued

MATERIAL/EQUIPMENT TRIAL -- REPORT

Reference	Trial Location	Trial No.
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TRIAL REPORTING		Indicate whether:-	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Installation Report	Progress Report	Final Report (Including Overall Expenditure)
Official correspondence MUST accompany this report and be forwarded to DNQA.			
Signature, Date			
		Rank/Appointment	

Distribution (Place 'X' in appropriate boxes)			
<input checked="" type="checkbox"/> FOCAF	<input type="checkbox"/> GMGID	<input type="checkbox"/> DGND	<input type="checkbox"/> SEC RAN CC
<input checked="" type="checkbox"/> ORIGINATOR	<input type="checkbox"/> GMWD	<input type="checkbox"/> DGDM	
<input checked="" type="checkbox"/> CONDUCTOR OF TRIAL	<input type="checkbox"/> DSL (ALEXANDRIA)	<input type="checkbox"/> DGNP	
<input checked="" type="checkbox"/> DNQA	<input type="checkbox"/> DSL (MARIBYRNONG)	<input type="checkbox"/> DSMR	
<input type="checkbox"/> FOCEA	<input type="checkbox"/> RANTAU	<input type="checkbox"/> DUR	

ANNEXE B

MATERIAL/EQUIPMENT TRIAL - REPORT

Reference N400/1/2412	Trial Location HMAS STALWART	Trial No. G.276
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TRIAL REPORTING Indicate whether:- Installation Report Progress Report Final Report (Including Overall Expenditure)

Official correspondence MUST accompany this report and be forwarded to DNOA.

This report period: 7th August, 74. to 8th September, 1974.

Progress Report No 1.

1. The unit was installed in No 4 CPO's Mess, approximately 250 square feet.
2. Effectiveness: The unit proved very effective in dispersing tobacco smoke and normal stale odours.
3. Noise levels at different operating speeds are negligible.
4. Operation: The unit was operated in accordance with the instructions issued by the representatives of the supplier; Ionic generator operated for 1 hour, 3 times daily; and air fan operated when the mess was occupied plus one hour after vacating space. Daily usage: 16 hours.
5. Maintenance: The front filter became 'clogged' after 10 days operation and the effectiveness became impaired. Experience proved that to retain the initial effectiveness of the machine, the front filter and pre filter required cleaning every 7 days.
6. No defects occurred during the trial period.

Signature, Date A. Sailor 9, 8, 74	Rank/Appointment CSAP
--	--------------------------

Distribution (Place 'X' in appropriate boxes)

- | | | | |
|--|--|--|---------------------------------|
| <input checked="" type="checkbox"/> FOCAF | <input type="checkbox"/> GMGID | <input checked="" type="checkbox"/> DGND | <input type="checkbox"/> SEC RA |
| <input checked="" type="checkbox"/> ORIGINATOR | <input type="checkbox"/> GMWD | <input type="checkbox"/> DGDM | <input type="checkbox"/> CC |
| <input checked="" type="checkbox"/> CONDUCTOR OF TRIAL | <input type="checkbox"/> DSL (ALEXANDRIA) | <input type="checkbox"/> DGNP | |
| <input checked="" type="checkbox"/> DNOA | <input type="checkbox"/> DSL (MARIBYRNONG) | <input type="checkbox"/> DSMR | |
| <input type="checkbox"/> FOCEA | <input type="checkbox"/> RANTAU | <input type="checkbox"/> DUR | |

ANNEXE B—continued

MATERIAL/EQUIPMENT TRIAL - PROPOSAL

TY117
(1973)

* NAVY OFFICE APPROVAL MUST BE OBTAINED BEFORE COMMENCEMENT OF TRIALS

NOTE: Trial results to be reported on reverse side of form

MATERIAL/EQUIPMENT on which trial is to be conducted (Describe fully)	Manufacturer/Supplier
	Suggested Reporting Frequency

Official correspondence must accompany this trial proposal and be forwarded to DNOA

TRIAL PROPOSAL To include:- Reasons for trial, applications, installation, estimated costs, man hours etc.

Originated By	Cost Estimate \$	Suggested Location of Trial (Ship/Establishment)
Signature, Date	Rank/Appointment	

NAVY OFFICE USE ONLY	Trial Location	Trial No.
Associated references		NOF No.

Directive by Approving Authority

Approved By (Signature)	Rank/Appointment	Finance Authority EA No. Amount
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Section 6

ESTABLISHMENTS

UNCLASSIFIED

371/74—Passive Defence in Naval Establishments

1. The following passive defence policy applies to all Naval establishments.

2. The primary responsibility of Naval establishments is the provision of 'self-help' parties for the protection of their own personnel, buildings and equipment but additional measures may be necessary in establishments included in areas for which contingency defence plans have been developed. Subject to this requirement and to operational needs their personnel may be called upon to assist local divisions of the state emergency services. It is essential that Passive Defence Organisations of Naval establishments should be closely co-ordinated with local emergency service and bush fire-fighting organisations, etc, as mutual help is a paramount necessity.

3. It is the intention of the Naval Board that Passive Defence training in peacetime should not absorb an undue proportion of training effort. The peace requirement is that establishments should have the basic organisation clearly laid down and a trained Passive Defence Officer available. The normal training of Naval officers and sailors in NBCD and firefighting will fit them to take their place in the Passive Defence Organisation of their establishment, subject to the additional training for those who fill specialist roles in the organisation.

4. In every Naval establishment, whatever its size, a Naval or civil officer is to be detailed as the Passive Defence Officer. The duties of this officer are:

- the planning and organisation of the Passive Defence of the establishment;
- the training and efficiency of Passive Defence personnel;
- the general efficiency of personal protective devices;
- ensuring the adequacy and efficiency of Passive Defence structures; and
- liaison with local Emergency Service authorities.

5. Passive Defence Officers should undergo courses at the NBCD School, HMAS PENGUIN. Information regarding these courses is promulgated periodically in Navy Orders.

Guide to Passive Defence Organisation

6. The Passive Defence of Naval establishments is to be organised in the following sections:

- Headquarters
- Warden
- Rescue
- First Aid
- Pioneer
- Firefighting
- Welfare
- Ambulance.

7. A guide to the organisation is described below:

Section	Duties	Percentage of Establishment
Headquarters	Administration Communications. Special reconnaissance. Identification of toxic agents.	5 per cent.
Warden	Supplementary Air Raid Warnings (where required) Incident control. Reconnaissance and reporting. Organisation of immediate action for self-help.	25 per cent.
Rescue	Rescue work—stretcher bearing and first aid	12½ per cent.
First Aid	First Aid—cleansing of injured	10 per cent.
Pioneer	Debris clearance, demolition Decontamination of roads and vehicles. Cleansing of uninjured persons. Salvage. Stretcher bearing. Emergency repairs to buildings and utility services, road clearance.	17½ per cent.
Firefighting	Manning of minor firefighting appliances (trailer pumps and below)	30 per cent.
Welfare	Care of the homeless and distressed in Naval areas	Welfare workers and Chaplains where borne.
Ambulance	Ambulance duties	Naval ambulance where allowed.

8. The percentages shown in Paragraph 7 are only intended as a rough guide to assist heads of establishments in their first estimates of numbers required in each section. Every establishment must consider its own layout and adjust numbers in sections according to its geographic position and the risk of fire involved.

9. All Naval establishments should consider their requirements for Passive Defence and plan their own self-help organisation in accordance with the principles set out above. As a general rule, establishments with more than two hundred persons should plan a self-contained organisation. Establishments with less than two hundred should form their own self-help organisation or co-operate with local Emergency Service Organisations, etc, as considered necessary.

10. Although allowances of stores for NBCD purposes have been established, issue is not intended until warranted. Certain items are available for training purposes only and should be demanded in accordance with the instructions contained in RANAL CAT LIST 124.

11. Confidential Navy Order 22/71 is hereby cancelled.

(Confidential Navy Order 22/71)

(1600/208/30)

AMENDMENTS

UNCLASSIFIED

372/74—Australian Defence Representation Overseas

Navy Order 267/74 is to be amended as follows:

ANNEXE A

Sub-heading 'United Kingdom' page 6:

Delete: 'Captain D. W. Leach, CBE, MVO, RAN,
Australian Naval Representative,
United Kingdom'

Insert: 'Commodore A. A. Willis, OBE, RAN,
Australian Naval Representative,
United Kingdom and Naval Adviser to the High Commissioner,
London'

ANNEXE B

Delete: 'Captain N. A. Boase, RAN.'

Insert: 'Colonel K. J. Hill.'

(22/1/127)

(Navy Order 267/74)

UNCLASSIFIED

373/74—Distribution of BR 320 Series—Ministry of Defence (Navy)
UK Catalogue of Stores

Navy Order 279/74 is to be amended as follows:

Paragraph 6:

Delete Navy Order 210/74.

Insert Navy Order 236/74.

ANNEXE A:

Delete RANAWED BYFORD.

Insert RANAWED BYFORD.

(465/52/1707)

(Navy Orders 210/74, 236/74 and 279/74)

AMENDMENTS

UNCLASSIFIED

373/74—Australian Defence Representation Overseas

Navy Order 36574 is to be amended as follows:

ANNEXE A

Sub-heading "Over Kingdom" page 6

Delete Captain D. W. Lamb, OBE, RAN,
Australian Naval Representative,
United Kingdom

Insert Commodore A. A. Willis, OBE, RAN,
Australian Naval Representative,
United Kingdom and Naval Attaché to the High Commission,
London

ANNEXE B

Delete Captain W. A. Hunt, RAN,
Naval Colonel K. A. Hill,

(12-1127)

(Navy Order 36574)

UNCLASSIFIED

373/74—Distribution of BR 320 Series—Ministry of Defence (Navy)

UK Categories of Stores

Navy Order 379/74 is to be amended as follows:

Paragraph 6:

Delete Navy Order 210/74.

Insert Navy Order 236/74.

ANNEXE A:

Delete RENAWED BYFORD

Insert RANAWED BYFORD.

(148523/1907)

(Navy Orders 210/74, 236/74 and 379/74)

DNLS
ANOs 374/74-375/74



AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
10 December 1974.

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

OPERATIONAL AND TRAINING

UNCLASSIFIED

374/74—Officers Course Program 1975

- 1. The program for officers course in 1975 is detailed in Annex A of this order.
- 2. The course shall be of a length of 12 weeks as detailed in the program and shall be held at the following establishments:
- 3. Courses for commanding officers' category will be managed by Command of Naval Base (CNAV) as the management agent.
- 4. Resources and facilities for the course program will be provided by the base of the course.
- 5. Any other matters relating to the course program will be provided by the base of the course.

CONTENTS

<i>No</i>	<i>Title</i>
SECTION 3—OPERATIONAL AND TRAINING	
374/74	Officers Course Program 1975.
375/74	Sailors Course Program 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.

Section 3

OPERATIONAL AND TRAINING

UNCLASSIFIED

374/74—Officers Course Program 1975

1. The program for officers courses in 1975 is detailed at Annexe A of this order.
2. The courses listed as '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 re-issue of the Annexe.
5. Navy Order 364/73 is hereby cancelled.

CONTENTS
 SECTION 3—OPERATIONAL AND TRAINING
 374/74 Officers Course Program 1975

Course No.	Course Title	Duration	Remarks
374/74-001	Naval Warfare	12 weeks	As arranged
374/74-002	Naval Operations	12 weeks	As arranged
374/74-003	Naval Logistics	12 weeks	As arranged
374/74-004	Naval Communications	12 weeks	As arranged
374/74-005	Naval Intelligence	12 weeks	As arranged
374/74-006	Naval Medicine	12 weeks	As arranged
374/74-007	Naval Law	12 weeks	As arranged
374/74-008	Naval History	12 weeks	As arranged
374/74-009	Naval Geography	12 weeks	As arranged
374/74-010	Naval Meteorology	12 weeks	As arranged
374/74-011	Naval Astronomy	12 weeks	As arranged
374/74-012	Naval Navigation	12 weeks	As arranged
374/74-013	Naval Signalling	12 weeks	As arranged
374/74-014	Naval Gunnery	12 weeks	As arranged
374/74-015	Naval Artillery	12 weeks	As arranged
374/74-016	Naval Engineering	12 weeks	As arranged
374/74-017	Naval Mechanics	12 weeks	As arranged
374/74-018	Naval Electrical	12 weeks	As arranged
374/74-019	Naval Electronics	12 weeks	As arranged
374/74-020	Naval Photography	12 weeks	As arranged
374/74-021	Naval Drawing	12 weeks	As arranged
374/74-022	Naval Mathematics	12 weeks	As arranged
374/74-023	Naval Science	12 weeks	As arranged
374/74-024	Naval Technology	12 weeks	As arranged
374/74-025	Naval Innovation	12 weeks	As arranged

ANNEXE A

374/74

Branch or Group	EDP No	Course	Location	Duration in Days	Starting Date	Completion Date	Min/Max Nos	Remarks
Aircrew	901711	BATC	CERBERUS ..	30	TBP	—	—	Pilots observers and pilots
	901100	Pilot 95	RAAF Pt Cook ..	—	TBP	—	—	
		Pilot 96	—	—	TBP	—	—	
	901101	Pilot 95	RAAF Pearce ..	—	TBP	—	—	
		Pilot 96	—	—	TBP	—	—	
	901102	Observers No. 4 ..	RAAF East Sale ..	—	TBP	—	—	
	901103	ATC	RAAF East Sale ..	—	TBP	—	—	
	901104	Flying Instructor	RAAF East Sale ..	—	TBP	—	—	
	901105	Helo Instructor ..	RAAF Ternhill ..	—	TBP	—	—	
	901106	Quadradar	RAAF East Sale ..	—	TBP	—	—	
	901110	Advanced Navigation	RAAF East Sale ..	—	TBP	—	—	
	901115	Tracker TACCO ..	ALBATROSS ..	50	8.9.75	NK	—	Leave to be added
	901127	Wessex Conversion	ALBATROSS ..	As required	27.1.75	NK	—	
					17.2.75	NK	—	
	901080	Sea King OFS ..	ALBATROSS ..	—	TBP	—	—	
	901079	Sea King Conversion	ALBATROSS ..	—	TBP	—	—	
	901132	Tracker OFS ..	ALBATROSS ..	100	7.4.75	NK	—	Leave to be added
	901133	Skyhawk OFS ..	ALBATROSS ..	110	6.1.75	NK	—	Leave to be added
	901345	Aircrew Orientation	CERBERUS ..	30	26.5.75	4.7.75	—	Observers, Pilots Include 901342/3 and 901300
					18.8.75	26.9.75	—	
	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 required	As arranged	—	—	
	901124	Tracker Weapons O ..	ALBATROSS ..	40	TBP	—	2	
	901125	AWI	ALBATROSS ..	100	TBP	—	2	

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AIO/Navigation, Tactical	901601	Post PWO RAN Famil ..	WATSON ..	20	6.1.75	14.2.75	3-6	Includes 2-3 days at sea in DDG/DE/SM
					5.5.75	30.5.75		
	901094	Senior Officers Tactical Study Period	WATSON ..	10	1.9.75	26.9.75	—	
	901431	RAN Tactical	WATSON ..	15	6.10.75	24.10.75	12-25	
	901434	Junior Officers Tactical ..	WATSON ..	10	3.3.75	14.3.75	12-30	
					23.6.75	4.7.75		
					10.11.75	21.11.75		
	901458	Basic Nav General ..	WATSON ..	15	7.7.75	25.7.75	6	2 days sea in week 3
	901459	Basic Nav Astro	WATSON ..	10	23.6.75	4.7.75	4-20	
	901480	AIO Refresher	WATSON ..	10	3.2.75	14.2.75	3-6	
	904110	CTT PWT (AIO)	WATSON ..	5	29.9.75	10.10.75	—	YARRA TORRENS VAMPIRE
					13.1.75	17.1.75	—	
					2.2.75	7.2.75	—	
					10.2.75	14.2.75	—	
	901603	CO Desig Nav Refresher ..	WATSON ..	As required	As arranged	—	—	
	901605	CO Desig MSC	PENGUIN ..	—	As arranged	—	—	
	901433	CO Desig MHC	PENGUIN ..	—	As arranged	—	—	
	N/N	XO Desig ND	WATSON ..	—	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	—	—	
	N/N	Ship Command Test Refresher (NAV)	WATSON ..	As required	As arranged	—	—	
	N/N	Ship Command Test Refresher (AIO)	WATSON ..	As required	As arranged	—	—	
	N/N	CO Desig Tactical ..	WATSON ..	As required	As arranged	—	—	
	901444/901436	Phase III N/AIO/TAS ..	WATSON ..	50	4.8.75	31.9.75	—	

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374/74

ANNEXE A—continued

374/74

Branch or Group	EDP No	Course	Location	Duration in Days	Starting Date	Completion Date	Min/Max Nos	Remarks
	901065	Submarine Attack Coordinator	WATSON	25	3.2.75	7.3.75	—	
	901064	SM Sonar Officer	WATSON	25	As arranged	—	—	
	N/N	GLEX MIDN Nav	WATSON	5	7.4.75	11.4.75	—	
	901466	Small Ships Nav Pt 1	WATSON	15	9.6.75	13.6.75	—	
					27.1.75	14.2.75	—	3 days sea week 2
					3.3.75	21.3.75	—	
					7.4.75	24.4.75	—	
					26.5.75	12.6.75	—	
					28.7.75	15.8.75	—	
					25.8.75	12.9.75	—	
					22.9.75	10.10.75	—	
					20.10.75	7.11.75	—	
					1.12.75	19.12.75	—	
	901466	Small Ships Nav Pt 2	WATSON	3	17.2.75	19.2.75	1-6	
					24.3.75	26.3.75	—	
					28.4.75	30.4.75	—	
					16.6.75	18.6.75	—	
					18.8.75	20.8.75	—	
					15.9.75	17.9.75	—	
					13.10.75	15.10.75	—	
					10.11.75	12.11.75	—	
ASW	901437	Demolition Supervisor	WATSON	5	3.3.75	7.3.75	4-8	
					14.4.75	18.4.75	—	
					21.7.75	25.7.75	—	
					1.9.75	5.9.75	—	
					3.11.75	7.11.75	—	
	901604	CO Desig ASW	WATSON	As required	As arranged	—	—	
	901400	Senior Officer Study Period	AJASS	5	1.12.75	5.12.75	—	
	901404	Joint ASW Introduction	AJASS	5	24.2.75	28.2.75	—	
					29.9.75	3.10.75	—	
	901405	Joint ASW Tactical	AJASS	10	7.5.75	18.4.75	—	
	901438	ASW Acquaint	WATSON	5	17.3.75	21.3.75	-10	
					5.5.75	9.5.75	—	
					28.7.75	1.8.75	—	
					24.11.75	28.11.75	—	

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18376/74-2

	901176	Degaussing for NAV/TAS O	WATSON	1	As arranged	—	—	
Gunnery	901388/901391	Explosives, Accounting and Custody	CERBERUS	4	24.3.75	27.3.75	—	
					22.7.75	25.7.75	—	
					23.9.75	26.9.75	—	
	901602	CO Desig (Gunnery)	CERBERUS	As required	As arranged	—	—	
	901620	XO Desig (Gunnery)	CERBERUS	As required	As arranged	—	—	
Diving	901425	Ships Diving Officer	PENGUIN	20	As arranged	—	—	
Divisional	901342/901343	Divisional Man Management/Sports	CERBERUS	20	27.1.75	21.2.75	—	
					2.6.75	27.6.75	—	
					25.8.75	19.9.75	—	
					30.6.75	25.7.75	7	
					14.7.75	15.8.75	6	
					28.7.75	29.8.75	7	
					And as arranged	—	—	
Hydrography New Entry	901530	H4	PENGUIN	119	11.8.75	12.12.75	5	
	901340	Direct Entry Orientation	CERBERUS	13	8.1.75	24.1.75	-20	
					29.1.75	14.2.75	-20	
					30.6.75	16.7.75	-20	
					3.12.75	19.12.75	-20	
					TBP	—	—	
Instructor	901730	SDEN Officers on Promotion Orientation	CERBERUS	13	8.1.75	24.1.75	8	
	901342/901343	DO/M.Man/Sports	CERBERUS	20	27.1.75	21.2.75	—	
	901181	IO Duties Pt 1/2	CERBERUS	10	21.2.75	7.3.75	—	
	903600	Instructional Techniques	CERBERUS	8	11.3.75	20.3.75	—	
	901300	Prelim NBCD	CERBERUS	5	24.3.75	28.3.75	—	
	901182/901446	TAS/N/AIO	WATSON	60	1.4.75	23.6.75	—	
							—	Sea 3 weeks
	901183	Basic Electronics	CERBERUS	35	26.6.75	7.8.75	—	
	901184	Telecommunications	CERBERUS	39	8.8.75	2.10.75	—	
	901185	Computations	CERBERUS	20	8.8.75	5.9.75	—	
	901186	Radar	CERBERUS	20	8.8.75	5.9.75	—	
	901187	Surface Weapons	CERBERUS	10	8.8.75	22.8.75	—	

Courses commence weekly in conjunction with 903200 (Ships Diver)
IOs SLEX PH III UVENS
Aircrew (Dates TBC)
SLEX Phase III IOs
GL Ex-OW Course

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ANNEXE A—continued

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Branch or Group	EDP No	Course	Location	Duration in Days	Starting Date	Completion Date	Min/Max Nos	Remarks
	901340	Orientation	CERBERUS ..	13	30.6.75	16.7.75	—	
	901300	Prelim NBCD	CERBERUS ..	5	21.7.75	25.7.75	—	
	903600	Instructional Technique	CERBERUS ..	8	28.7.75	6.8.75	—	
	901181	IO Duties Pt 1/2	CERBERUS ..	10	11.8.75	22.8.75	—	
	901342/901343	DO/M.Man/Sports	CERBERUS ..	20	25.8.75	19.9.75	—	
	901182/901446	TAS/N/AIO	WATSON ..	60	22.9.75	12.12.75	—	Sea 3 weeks
	901183	Basic Electronics	CERBERUS ..	35	Jan. 1976	—	—	
	901184	Telecommunications	CERBERUS ..	39	Feb. 1976	—	—	
	901185	Computations	CERBERUS ..	20	Feb. 1976	—	—	
	901186	Radar	CERBERUS ..	20	Feb. 1976	—	—	
	901187	Surface Weapons	CERBERUS ..	10	Feb. 1976	—	—	
	901470	IO Intro Met	ALBATROSS ..	—	As arranged	—	—	
	901188	Met Windfinding and Radar	ALBATROSS ..	—	As arranged	—	—	
MCD	901432	MCDO	PENGUIN ..	—	9.6.75	1976	-9	
Medical/Dental	901196	Dental Officers Famil	CERBERUS ..	7	20.1.75	28.1.75	9	
	901340	DE Officers Orientation	CERBERUS ..	13	29.1.75	14.2.75	20	9 DO 11 MO
	901195	Medical Officers Famil	CERBERUS ..	15	17.2.75	7.3.75	11	
	901191	MO UW Med	PENGUIN ..	10	10.3.75	21.3.75	—	
	901192	MO AV Med	ALBATROSS ..	5	10.3.75	14.3.75	—	
	901197	Foreign Officers UW Med ..	PENGUIN ..	65	13.1.75	24.4.75	—	Join 901191
	901198	WM/SS Med	PENGUIN ..	10	As arranged	—	—	
Marine Engineering	901370	MEO Power Electrics	CERBERUS ..	100	24.2.75	18.7.75	—	
	901365	ENME SM Reversion to GS	CERBERUS ..	20	22.7.75	10.12.75	—	
	901068	SDEN (Ex-SH) Refresher ..	CERBERUS ..	50	7.7.75	12.9.75	4	
Legal	901755	ME Introductory	CERBERUS ..	50	3.3.75	16.5.75	3	
Security	901358	Reserve Officers Intro to Operations	WATSON ..	5	15.1.75	21.1.75	—	
	901528	Security Acquaint	PENGUIN ..	3	12.2.75	14.2.75	—	
					14.5.75	16.5.75	—	Conducted by DEFNAV
					13.8.75	15.8.75	—	
					12.11.75	14.11.75	—	

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	901351	Security Officers Qualifying	PENGUIN ..	5	10.3.75	14.3.75	—	Conducted by DEFNAV
	901532	Adv Security	PENGUIN ..	10	15.9.75	19.9.75	—	
	901215	Registered Publication	PENGUIN ..	2	7.7.75	18.7.75	—	
					20.1.75	21.1.75	—	Conducted by DEFNAV
					7.4.75	8.4.75	—	
					3.6.75	4.6.75	—	Conducted by DEFNAV
					7.10.75	8.10.75	—	
Supply and Secretariat	901494	BSc	CERBERUS ..	100	25.8.75	—	—	
	N/N	Supply Charge Course	CERBERUS ..	50	As arranged	—	-8	
Training Technology	901260	Training Admin.	CERBERUS ..	10	7.4.75	18.4.75	-16	
					8.9.75	19.9.75	—	
	903610	Training Technology	CERBERUS ..	40	1.4.75	3.6.75	—	Foreign Officers only
					1.9.75	30.11.75	—	
	903600	Instruc. Course	CERBERUS ..	8	13.1.75	22.1.75	6-8	
					28.1.75	6.2.75	—	
					10.2.75	19.2.75	—	LEEUWIN LEEUWIN
					19.2.75	28.2.75	—	
					11.3.75	20.3.75	—	
					21.4.75	30.4.75	—	
					30.4.75	9.5.75	—	
					12.5.75	21.5.75	—	
					2.6.75	11.6.75	—	WATSON WATSON
					11.6.75	20.6.75	—	
					30.6.77	9.7.75	—	
					9.7.75	18.7.75	—	
					28.7.75	6.8.75	—	
					6.8.75	15.8.75	—	
					18.8.75	27.8.75	—	
					23.9.75	2.10.75	—	
					13.10.75	22.10.75	—	ALBATROSS ALBATROSS
					22.10.75	31.10.75	—	
					10.11.75	19.11.75	—	
					19.11.75	28.11.75	—	
					1.12.75	10.12.75	—	
	903660	Training Analysis	CERBERUS ..	5	13.1.75	17.1.75	1-16	
					17.3.75	21.3.75	—	
					5.5.75	9.5.75	—	
					9.6.75	13.6.75	—	WATSON
					28.7.75	1.8.75	—	
					6.10.75	10.10.75	—	
					20.10.75	24.10.75	—	ALBATROSS NIRIMBA
					17.11.75	21.11.75	—	

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ANNEXE A—continued

Branch or Group	EDP No	Course	Location	Duration in Days	Starting Date	Completion Date	Min/Max Nos	Remarks
	901301	Junior Officers NBCD	PENGUIN	10	TBP			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 evenings	As arranged			
	901194	Officers NBCD Refresher	PENGUIN	5	TBP			
	901600	CO Desig NBCD PCT	PENGUIN	2	As arranged			
	901620	XO Desig NBCD PCT	PENGUIN	2	As arranged			
	901070	NBCD Task PCT	PENGUIN	3	TBP			
	901306	NBC Prot Off PCT	PENGUIN	3	As arranged			
	901071	Ships MO NBCD PCT	PENGUIN	3	TBP			
	901072	MINPAB NBCD PCT	PENGUIN	1	As arranged			
	901073	Establishment Passive Defence Officer PCT	PENGUIN	3	As arranged			
	901387 (Pt 1)	Gunnery	CERBERUS	5	6.1.75	10.1.75		1/73 SLEX Phase 3
Supplementary List Seaman	901388	Communications	CERBERUS	10	13.1.75	24.1.75		
	901342/901343	DO/M. Man/Sports	CERBERUS	20	27.1.75	21.2.75		
	901387 (Pt 2)	Gunnery	CERBERUS	10	24.2.75	7.3.75		
	901387 (Pt 1)	Gunnery	CERBERUS	5	4.8.75	8.8.75		2/73 SLEX Phase 3
	901388	Communications	CERBERUS	10	11.8.75	22.8.75		
	901342/901343	DO/M. Man/Sports	CERBERUS	20	25.8.75	19.8.75		
	901387 (Pt 2)	Gunnery	CERBERUS	10	23.9.75	3.10.75		
	901149	Air	ALBATROSS	5	6.10.75	10.10.75		
	901444/901446	AIO/N/TAS	WATSON	50	13.10.75	17.11.75		
	901598	Phase I	CERBERUS	85	17.2.75	13.6.75		1/75 SLEX
	901443	Phase I Nav	WATSON	—	7.7.75	22.8.75		
					21.4.75	2.5.75		

(Navy Order 364/73)

(519/5/19)

375/74—Sailors Course Program 1975

UNCLASSIFIED

- The program for sailors courses for 1975 is detailed at Annexe A of this order.
- 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.
- 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.
- 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 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.
- Where applicable, sailors are to be lent to establishments for courses under two months duration.
- 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.
- Submarine career and PCT courses will be programmed in the SCTT as the syllabuses are approved.
- Alterations and additions to the program will be notified by re-issue of the Annexe to this order.
- Navy Order 376/73 is hereby cancelled.

ANNEXE A

Branch or Group	EDP No	Course	Conducting Establishment	Duration in Days	Supporting Establishments	Subject	Starting Date	Completion Date	Min/Max Nos	Remarks
New Entry	910700	Adult Male Recruit ..	CERBERUS	58	—	—	16.10.74	24.1.75	50-70	
							13.11.74	21.2.75		
							8.1.75	28.3.75		
							5.2.75	25.4.75		
							5.3.75	24.5.75		
							2.4.75	20.6.75		
							30.4.75	18.7.75		
							28.5.75	15.8.75		
							25.6.75	12.9.75		
							23.7.75	10.10.75		
							20.8.75	7.11.75		
							17.9.75	5.12.75		
							15.10.75	1976		
							12.11.75	1976		
	910710	Junior Recruit ..	LEEUWIN	240	—	—	22.4.74	25.3.75	89	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
15.7.74							10.6.75	195		
14.10.74							23.9.75	144		
8.1.75							9.12.75	252		
14.4.75							23.3.76	188		
14.7.75							8.6.76	216		
13.10.75							21.9.76	144		

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	910730	Apprentice ..	NIRIMBA ..	2 years	—	AATA	Jan. 74	19.12.75	—	
						AATC	Jan. 74	12.3.76		
						AATW	Jan. 74	19.12.75		
						AETC	Jan. 74	12.3.76		
						AETS	Jan. 74	12.3.76		
						AETW	Jan. 74	19.12.75		
						AMTH	Jan. 74	12.3.76		
						AMTH	Jan. 74	12.3.76		
						AMTL	Jan. 74	19.12.75		
						AMTP	Jan. 74	12.3.76		
						AETS	July 74	3.9.76		
						AMTH	July 74	3.9.76		
						AMTL	July 74	25.6.76		
						AMTP	July 74	3.9.76		
						AATA	13.1.75	TBD	4-16	
						AATC	13.1.75	TBD	4-16	
						AATW	13.1.75	TBD	4-16	
						AETC	13.1.75	TBD	4-16	
						AETS	13.1.75	TBD	4-16	
						AETW	13.1.75	TBD	4-16	
						AMTH	13.1.75	TBD	8-32	
						AMTL	13.1.75	TBD	4-16	
						AMTP	13.1.75	TBD	8-48	
						AETS	8.7.75	TBD	4-16	The max Nos. may be increased if Jan. entry is sufficiently reduced
						AMTH	8.7.75	TBD	8-16	
						AMTL	8.7.75	TBD	4-16	
						AMTP	8.7.75	TBD	8-32	
Seaman Promotion	902540	Cox'n Conversion	KUTTABUL..	45	PENGUIN (Medical) CERBERUS ..	—	13.1.75	14.3.75		
						—	26.5.75	25.7.75		
						—	8.9.75	7.11.75		
	902640	Charge Cox'n ..	KUTTABUL..	10	—	—	7.4.75	18.4.75		
							24.11.75	5.12.75		
	911910	Adv QMG ..	CERBERUS ..	115	PENGUIN .. CERBERUS .. CERBERUS ..	NBCD Gunnery S'ship	6.1.75 20.1.75 19.5.75	19.1.75 16.5.75 —	3-6	

ANNEXE A—continued

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Branch or Group	EDP No	Course	Conducting Establishment	Duration in Days	Supporting Establishments	Subject	Starting Date	Completion Date	Min/Max Nos	Remarks
					PENGUIN ..	NBCD	7.4.75	18.4.75		
					CERBERUS ..	Gunnery	21.4.75	8.8.75		
					CERBERUS ..	S'ship	11.8.75	—		
					PENGUIN ..	NBCD	4.8.75	15.8.75		
					CERBERUS ..	Gunnery	18.8.75	12.12.75		
					CERBERUS ..	S'ship	12.1.76	—		
911920	Adv CD	..	PENGUIN ..	160 (incl 10 NBCD)	—	—	13.1.75	1.8.75	4-8	4 RMN
					CERBERUS ..	S'ship	4.8.75	—		
911930	Adv SR	..	PENGUIN ..	94 (incl 10 NBCD)	—	NBCD	17.2.75	1.3.75	—	2 RMN
					—	SR	3.3.75	13.6.75		
911940	Adv UN	..	WATSON ..	75	CERBERUS ..	S'ship	30.6.74	26.7.75	—	Includes leave
					CERBERUS ..	S'ship	21.4.75	16.5.75	5-8	
					WATSON ..	—	19.5.75	18.6.75		
911960	Adv UC	..	WATSON ..	100	PENGUIN ..	NBCD	21.7.75	1.8.75		
					WATSON ..	—	28.7.75	31.10.75	5-8	Sea 29.9.75-10.10.75
					CERBERUS ..	S'ship	3.11.75	28.11.75		
911950	Adv RP	..	WATSON ..	90	PENGUIN ..	NBCD	1.12.75	12.12.75		
					WATSON ..	—	10.2.75	2.5.75	6-9	
					PENGUIN ..	NBCD	5.5.75	16.5.75		
					CERBERUS ..	S'ship	19.5.75	—		
					WATSON ..	—	4.8.75	31.10.75		
					PENGUIN ..	NBCD	3.11.75	14.11.75		
911970	ADVFC	..	CERBERUS ..	111 (incl 10 NBCD)	CERBERUS ..	S'ship	17.11.75	—		
					PENGUIN ..	NBCD	19.5.75	30.5.75	6-12	6 RMN
					CERBERUS ..	Gunnery	2.6.75	6.10.75		
911980	ADVWM	..	CERBERUS ..	117 (incl 10 NBCD)	—	S'ship	6.10.75	NK		
					PENGUIN ..	NBCD	3.2.75	14.2.75	6-8	
					CERBERUS ..	Gunnery	17.2.75	13.6.75		
					—	S'ship	16.6.75	NK		
					PENGUIN ..	NBCD	7.7.75	18.7.75		
					CERBERUS ..	Gunnery	22.7.75	7.10.75		
911710	ABQMG	..	CERBERUS ..	NK	—	S'ship	10.7.75	NK	3-6	
					—	NBCD	3.2.75	7.2.75		
					—	Gunnery	28.1.75	NK		

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						S'ship	—	NK		
						NBCD	3.3.75	7.3.75		
						Gunnery	24.2.75	NK		
						S'ship	—	NK		
						NBCD	1.4.75	4.4.75		
						Gunnery	24.4.75	NK		
						S'ship	—	NK		
						NBCD	5.5.75	9.5.75		
						Gunnery	28.4.75	NK		
						S'ship	—	NK		
						NBCD	30.6.75	4.7.75		
						Gunnery	23.6.75	NK		
						S'ship	—	NK		
						NBCD	28.7.75	1.8.75		
						Gunnery	22.7.75	NK		
						S'ship	—	NK		
						NBCD	29.9.75	2.10.75		
						Gunnery	23.9.75	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 ..	S'ship	6.1.75	18.1.75	-10	
					PENGUIN ..	—	20.1.75	27.4.75		
					CERBERUS ..	S'ship	30.6.75	12.7.75		
					PENGUIN ..	—	14.7.75	10.10.75		
911740	ABUW	..	WATSON ..	25	CERBERUS ..	S'ship	3.2.75	14.2.75	3, 5, 6 or 10	
					PENGUIN ..	NBCD	17.2.75	21.2.75		
					WATSON ..	—	24.2.75	25.3.75		
					CERBERUS ..	S'ship	20.3.75	4.4.75		
					PENGUIN ..	NBCD	7.4.75	11.4.75		
					WATSON ..	—	14.4.75	16.5.75		
					CERBERUS ..	S'ship	13.6.75	27.6.75		
					PENGUIN ..	NBCD	30.6.75	4.7.75		
					WATSON ..	—	7.7.75	8.8.75		
					CERBERUS ..	S'ship	4.8.75	15.8.75		
					PENGUIN ..	NBCD	18.8.75	22.8.75		
					WATSON ..	—	25.8.75	26.9.75		
					CERBERUS ..	S'ship	6.10.75	17.10.75		
					PENGUIN ..	NBCD	20.10.75	24.10.75		
					WATSON ..	—	27.10.75	28.11.75		

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ANNEXE A—continued

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Branch or Group	EDP No	Course	Conducting Establishment	Duration in Days	Supporting Establishments	Subject	Starting Date	Completion Date	Min/Max Nos	Remarks
	911760	ABUC..	WATSON ..	35	CERBERUS ..	S'ship	21.2.75	7.3.75	6-12	
					PENGUIN ..	NBCD	10.3.75	14.3.75		
					WATSON ..	—	17.3.75	2.5.75		
					CERBERUS ..	S'ship	18.4.75	2.5.75		
					WATSON ..	NBCD	5.5.75	9.5.75		
					WATSON ..	—	12.5.75	27.6.75		
					CERBERUS ..	S'ship	30.6.75	11.7.75		
					WATSON ..	—	14.7.75	29.8.75		
					PENGUIN ..	NBCD	1.9.75	5.9.75		
					CERBERUS ..	S'ship	11.8.75	22.8.75		
					PENGUIN ..	NBCD	25.8.75	29.8.75		
					WATSON ..	—	1.9.75	17.10.75		
					CERBERUS ..	S'ship	6.10.75	17.10.75		
					PENGUIN ..	NBCD	20.10.75	24.10.75		
					WATSON ..	—	27.10.75	12.12.75		
	911750	ABRP	WATSON ..	40-60	—	—	—	21.2.75	6-8	15/74
					—	—	—	7.2.75	—	14/74
					PENGUIN ..	NBCD	10.2.75	14.2.75	—	Some courses will be cancelled when AIOTT commissioning date is known
					CERBERUS ..	S'ship	17.2.75	28.2.75		
					CERBERUS ..	S'ship	6.1.75	17.1.75		
					WATSON ..	—	20.1.75	11.4.75		
					PENGUIN ..	NBCD	14.4.75	18.4.75		
					CERBERUS ..	S'ship	11.4.75	24.4.75		
					WATSON ..	—	28.4.75	11.7.74		
					PENGUIN ..	NBCD	14.7.75	18.7.75		
					CERBERUS ..	S'ship	28.4.75	9.5.75		
					PENGUIN ..	NBCD	12.5.75	16.5.75		
					WATSON ..	—	19.5.75	1.8.75		
					CERBERUS ..	S'ship	19.5.75	30.5.75		
					PENGUIN ..	NBCD	2.6.75	6.6.75		
					WATSON ..	—	9.6.75	22.8.75		
					CERBERUS ..	S'ship	6.6.75	20.6.75		
					PENGUIN ..	NBCD	23.6.75	27.6.75		
					WATSON ..	—	30.6.75	12.9.75		
					CERBERUS ..	S'ship	7.7.75	18.7.75		
					PENGUIN ..	NBCD	21.7.75	25.7.75		

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					WATSON ..	—	29.7.75	10.10.75		
					CERBERUS ..	S'ship	18.7.75	1.8.75		
					PENGUIN ..	NBCD	4.8.75	8.8.75		
					WATSON ..	—	11.8.75	24.10.75		
					CERBERUS ..	S'ship	25.8.75	5.9.75		
					PENGUIN ..	NBCD	8.9.75	12.9.75		
					WATSON ..	—	15.9.75	28.11.75		
					CERBERUS ..	S'ship	8.9.75	19.9.75		
					PENGUIN ..	NBCD	22.9.75	26.9.75		
					WATSON ..	—	29.9.75	12.12.75		
					CERBERUS ..	S'ship	12.9.75	26.9.75		
					PENGUIN ..	NBCD	29.9.75	3.10.75		
					WATSON ..	—	7.10.75	1976		Includes leave
					CERBERUS ..	S'ship	6.10.75	17.10.75		
					PENGUIN ..	NBCD	20.10.75	24.10.75		
					WATSON ..	—	27.10.75	1976		
					CERBERUS ..	S'ship	20.10.75	31.10.75		
					PENGUIN ..	NBCD	3.11.75	7.11.75		
					WATSON ..	—	10.11.75	1976		
	911770	ABFC	CERBERUS ..	As required	—	NBCD	3.2.75	7.2.75	3-6	
					Gunnery	S'ship	28.1.75	NK		
					—	NBCD	—	NK		
					—	NBCD	3.3.75	7.3.75		
					Gunnery	S'ship	24.2.75	NK		
					—	NBCD	—	NK		
					—	NBCD	1.4.75	4.4.75		
					Gunnery	S'ship	24.3.75	NK		
					—	NBCD	—	NK		
					—	NBCD	5.5.75	9.5.75		
					Gunnery	S'ship	28.4.75	NK		
					—	NBCD	—	NK		
					—	NBCD	2.6.75	6.6.75		
					Gunnery	S'ship	26.5.75	NK		
					—	NBCD	—	NK		
					—	NBCD	30.6.75	4.7.75		
					Gunnery	S'ship	23.6.75	NK		
					—	NBCD	—	NK		
					—	NBCD	28.7.75	1.8.75		
					Gunnery	S'ship	22.7.75	NK		
					—	NBCD	—	NK		
					—	NBCD	25.8.75	29.8.75		
					Gunnery	S'ship	18.8.75	NK		
					—	NBCD	—	NK		

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ANNEXE A—continued

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Branch or Group	EDP No	Course	Conducting Establishment	Duration in Days	Supporting Establishments	Subject	Starting Date	Completion Date	Min/Max Nos	Remarks
	911780	ABWM	CERBERUS ..	As required	—	NBCD	29.9.75	3.10.75	8-10	
						Gunnery	23.9.75	NK		
						S'ship	—	NK		
						NBCD	27.10.75	31.10.75		
						Gunnery	20.10.75	NK		
						S'ship	—	NK		
						NBCD	24.11.75	28.11.75		
						Gunnery	17.11.75	NK		
						S'ship	—	NK		
						NBCD	3.2.75	7.2.75		
						Gunnery	28.1.75	NK		
						S'ship	—	NK		
						NBCD	3.3.75	7.3.75		
						Gunnery	24.2.75	NK		
						S'ship	—	NK		
						NBCD	1.4.75	4.4.75		
						Gunnery	24.3.75	NK		
						S'ship	—	NK		
						NBCD	5.5.75	9.5.75		
						Gunnery	28.4.75	NK		
S'ship	—	NK								
NBCD	2.6.75	6.6.75								
Gunnery	26.5.75	NK								
S'ship	—	NK								
NBCD	28.7.75	1.8.75								
Gunnery	22.7.75	NK								
S'ship	—	NK								
NBCD	25.8.75	29.8.75								
Gunnery	18.8.75	NK								
S'ship	—	NK								
NBCD	27.10.75	31.10.75								
Gunnery	20.10.75	NK								
S'ship	—	NK								
911790	ABCD..	PENGUIN ..	PENGUIN ..	110 (incl 5 NBCD)	—	NBCD	—	22.2.75	8-16	3/74 4/74
						Gunnery	—	24.5.75		
						S'ship	17.2.75	28.2.75		
						NBCD	3.3.75	8.8.75		

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Seaman Career and PCT	911820	LSPT(Q)	CERBERUS ..	260	—	S'ship	19.5.75	30.5.75	18	Includes leave							
						PENGUIN ..	2.6.75	31.10.75									
						901390	ASAC requalifying	WATSON ..			5	—	S'ship	30.6.75	11.7.75	4-6	
													PENGUIN ..	14.7.75	1976		
						902120	Senior Sailors Navigation	WATSON ..			25	—	S'ship	13.10.75	24.10.75	4-12	Sea support weeks 3 and 4
													PENGUIN ..	27.10.75	1976		
						902560	Support Craft Charge	WATSON ..			15	—	S'ship	7.1.75	7.2.75	4-8	Sea 9-10 Oct.
													PENGUIN ..	10.2.75	20.2.76		
						903230	Small Ships SE ..	ALBATROSS			10	—	PT	10.3.75	14.3.75	2-8	
													As arranged	12.5.75	16.5.75		
						903290	ASAC	WATSON ..			25	—	As arranged	14.7.75	18.7.75	4-6	
													WATSON ..	1.12.75	5.12.75		
													ALBATROSS	3.2.75	7.3.75		
													COMAUSFLT	2.6.75	4.7.75		
													ALBATROSS	3.11.75	5.12.75		
													COMAUSFLT	29.9.75	17.10.75		
													As arranged	—	—		
													WATSON ..	23.1.75	3.2.75		
													ALBATROSS	4.2.75	6.2.75		
													WATSON ..	7.2.75	16.2.75		
					COMAUSFLT	17.2.75	28.2.75										
					WATSON ..	27.3.75	7.4.75										
					ALBATROSS	8.4.75	10.4.75										
					WATSON ..	11.4.75	27.4.75										
					COMAUSFLT	28.4.75	2.5.75										
					WATSON ..	29.5.75	9.6.75										
					ALBATROSS	10.6.75	12.6.75										
					WATSON ..	13.6.75	22.6.75										
					COMAUSFLT	23.6.75	4.7.75										
					WATSON ..	24.7.75	4.8.75										
					ALBATROSS	5.8.75	7.8.75										
					WATSON ..	8.8.75	17.8.75										
					COMAUSFLT	18.8.75	29.8.75										
					WATSON ..	10.9.75	22.9.75										
					ALBATROSS	23.9.75	25.9.75										
					WATSON ..	26.9.75	6.10.75										
					COMAUSFLT	7.10.75	17.10.75										
					WATSON ..	23.10.75	3.11.75										
					ALBATROSS	4.11.75	6.11.75										
					WATSON ..	7.11.75	16.11.75										
					COMAUSFLT	17.11.75	28.11.75										
					WATSON ..	—	—										

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ANNEXE A—continued

Branch or Group	EDP No	Course	Conducting Establishment	Duration in Days	Supporting Establishments	Subject	Starting Date	Completion Date	Min/Max Nos	Remarks
	903310	EOD Refresher ..	PENGUIN ..	5	—	—	As arranged	—		
	904090/904100/904090	T10/T11 Refresher	WATSON ..	5	—	—	6.1.75	10.1.75		
		T10	WATSON ..	5	—	—	13.1.75 20.1.75 24.1.75	17.1.75 24.1.75		
	904100/904110	T11	WATSON ..	5	—	—	And as arranged 27.1.75 3.2.75	31.1.75 7.2.75	— —	TORRENS VAMPIRE
	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	—	11.3.75	27.3.75	—	Seacat Firing Ship 1.4.75
							19.5.75	6.6.75	—	Seacat Firing Ship 9.6.75
							14.7.75	31.7.75	—	Seacat Firing Ship 4.8.75
							8.9.75	26.9.75	—	Foreign Seacat Firing Ship 24.10.75
							4.10.75	21.1.75	—	
	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	—	—	14.4.75 6.10.75	19.4.75 10.10.75	6	

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	951340	Sonar 193 PCT ..	PENGUIN ..	10	—	—	As arranged	—		
	N/N	UCDD PWT ..	WATSON ..	5	—	—	As arranged	—		
	N/N	UCDE PWT ..	WATSON ..	5	—	—	As arranged	—		
	N/N	UWDD PWT ..	WATSON ..	5	—	—	As arranged	—		Includes demol.
	N/N	UWDE PWT ..	WATSON ..	5	—	—	As arranged	—		Includes 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	—		
	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 Gun	CERBERUS ..	3	—	—	As arranged	—		
	951720	AB QMG/WM Patrol Boat	CERBERUS ..	21	—	—	As arranged	—		
	N/N	ASAC Refresher	WATSON ..	5	—	—	As arranged	—		
	N/N	AIOTT Senior Sailors/Wrans Staff PCT	WATSON ..	20	—	—	As arranged	—		
	N/N	AIOTT Junior Sailors/Wrans PCT	WATSON ..	10	—	—	As arranged	—		

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ANNEXE A—continued

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Branch or Group	EDP No	Course	Conducting Establishment	Duration in Days	Supporting Establishments	Subject	Starting Date	Completion Date	Min/Max Nos	Remarks
Seaman Submarines Promotion	908150	LSUCSM ..	PLATYPUS ..	15	—	—	6.1.75	24.1.75	2-6	
							9.6.75	27.6.75		
							8.9.75	26.9.75		
	908160	LSUWSM ..	PLATYPUS ..	20	—	—	13.10.75	31.10.75	2-6	
							3.2.75	28.2.75		
							13.5.75	6.6.75		
908180	LSRPSM	PLATYPUS ..	15	—	—	20.1.75	7.2.75	2-6		
908210	POSEASM ..	PLATYPUS ..	20	—	—	21.7.75	8.8.75	1-6		
908900	Advanced UW SM	PLATYPUS ..	30	—	—	24.2.75	21.3.75	2-6	Require 908210	
908910	Advanced UC SM	DOLPHIN ..	—	—	—	18.8.75	12.9.75	—	Require 908210	
908920	Advanced RP SM	PLATYPUS ..	55	—	—	10.3.75	18.4.75	2-8	Require 908210	
Seaman SM Career and PCT	908170	POOWSM	PLATYPUS ..	15	—	—	1.9.75	14.11.75	2-8	
							17.2.75	7.3.75		
	908990	COX SM ..	PLATYPUS ..	As required	KUTTABUL ..	—	26.5.75	6.6.75	2-8	
							17.11.75	28.11.75		
911010	NAV YEO SM ..	PLATYPUS ..	20	—	—	13.1.75	14.3.75	—		
						17.3.75	—			
Submarine Communications Communications Promotion	908190	ROSM PCT ..	PLATYPUS ..	10	KUTTABUL..	—	26.5.75	25.7.75	—	Combined 915720
							28.7.75	—		
	912700	SMNCO	CERBERUS ..	35 (Plus 5 NBCD)	—	—	8.9.75	7.11.75	10-20	
							10.11.75	—		
							10.2.75	7.3.75		
25.8.75	19.9.75	—								

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912710	SMNSIG ..	CERBERUS ..	101	—	—	—	22.7.75	15.9.75	4-12	
							8.9.75	5.11.75		
							20.10.75	15.12.75		
							6.1.75	2.6.75		
							4.3.75	30.7.75		
912720	SMNRO ..	CERBERUS ..	102	—	—	—	17.4.75	12.9.75	4-12	
							28.5.75	23.10.75		
							1.7.75	25.11.75		
							6.8.75	22.1.76		
							16.9.75	26.2.76		
912770	SIGROEW ..	CERBERUS ..	110	WATSON ..	—	—	6.11.75	19.4.76	4-10	
							6.1.75	3.6.75		
							4.3.75	31.7.75		
							17.4.75	13.9.75		
							28.5.75	24.10.75		
							1.7.75	26.11.75		
							6.8.75	23.1.76		
							16.9.75	27.2.76		
							6.11.75	20.4.76		
							—	21.2.75		
							—	10.2.75		
							13.2.75	24.4.75		
							6.1.75	4.4.75		
							7.4.75	13.6.75		
							4.3.75	2.6.75		
5.6.75	14.8.75									
17.4.75	11.7.75									
912910	Advanced SIG (SY)	CERBERUS ..	89	WATSON ..	—	—	14.7.75	19.9.75	3-8	
							28.5.75	21.8.75		
							25.8.75	31.10.75		
							1.7.75	24.9.75		
							29.9.75	5.12.75		
							6.8.75	31.10.75		
							3.11.75	1976		
							16.9.75	9.12.75		
1976	—									
912910	Advanced SIG (SY)	CERBERUS ..	89	HARMAN ..	—	NBCD	6.11.75	10.2.76	3-8	
							1976	—		
							22.1.75	6.5.75		
							7.5.75	9.5.75		
							12.5.75	23.5.75		
912910	Advanced SIG (SY)	CERBERUS ..	89	PENGUIN ..	—	NBCD	26.5.75	30.5.75	3-8	
							30.7.75	11.11.75		
							12.11.75	14.11.75		

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ANNEXE A—continued

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Branch or Group	EDP No	Course	Conducting Establishment	Duration in Days	Supporting Establishments	Subject	Starting Date	Completion Date	Min/Max Nos	Remarks			
Communications Career and PCT	912920	Advanced RO (RS)	CERBERUS ..	79		PENGUIN ..	NBCD	17.11.75	28.11.75	3-8			
						WATSON ..	—	1.12.75	5.12.75				
						CERBERUS ..	—	29.1.75	6.5.75				
						HARMAN ..	—	7.5.75	9.5.75				
						PENGUIN ..	NBCD	12.5.75	23.5.75				
	912970	Advanced ROEW (RSEW)	WATSON ..	80		CERBERUS ..	—	6.8.75	11.11.75	3-8			
						HARMAN ..	—	12.11.75	14.11.75				
						PENGUIN ..	NBCD	17.11.75	28.11.75				
						CERBERUS ..	NBCD	3.2.75	14.2.75				
						PENGUIN ..	—	17.2.75	9.4.75				
912050	LSSIG/SIG MCMV PCT	CERBERUS ..	—	—	—	—	As arranged	—					
											912090	Small Ship RO PCT	CERBERUS ..	20	—	—	3.2.75	28.2.75	3-8
Marine Engineering Promotion	N/N	FWT ..	CERBERUS ..	—	—	—	As arranged	—					
	901327	EW PWT ..	WATSON ..	5	—	—	—	27.1.75	31.1.75	—	VAMPIRE TORRENS		
												3.2.75	7.2.75
												And as arranged	—
913730	MTP 1 ..	CERBERUS ..	106	—	—	—	14.10.74	29.1.75	6-18				
											NBCD	30.1.75	5.2.75
											—	6.2.75	4.4.75
											NBCD	5.11.74	25.2.75
											—	26.2.75	4.3.75
—	5.3.75	5.5.75											
—	25.11.74	12.3.75	—	Combined 913740									
—	NBCD	21.3.75	26.3.75	—	Combined 913750								
—	—	20.3.75	19.5.75	—									

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—	6.1.75	4.4.75	—	Combined 913740
NBCD	7.4.75	11.4.75	—	
—	14.4.75	9.6.75	—	
—	3.2.75	2.5.75	—	
NBCD	5.5.75	9.5.75	—	
—	12.5.75	7.7.75	—	
—	3.3.75	30.5.75	—	Combined 913750
NBCD	2.6.75	6.6.75	—	
—	9.6.75	5.8.75	—	
—	1.4.75	27.6.75	—	
NBCD	30.6.75	4.7.75	—	
—	7.7.75	1.9.75	—	
—	28.4.75	23.7.75	—	Combined 913740
NBCD	24.7.75	30.7.75	—	
—	31.7.75	25.9.75	—	
—	26.5.75	20.8.75	—	Combined 913750
NBCD	21.8.75	27.8.75	—	
—	28.8.75	23.10.75	—	
—	23.6.75	16.9.75	—	
NBCD	17.9.75	24.9.75	—	
—	25.9.75	20.11.75	—	
—	22.7.75	15.10.75	—	Combined 913740
NBCD	16.10.75	22.10.75	—	
—	23.10.75	18.12.75	—	
—	18.8.75	12.11.75	—	Combined 913750
NBCD	13.11.75	19.11.75	—	
—	20.11.75	12.2.76	—	
—	15.9.75	10.12.75	—	
NBCD	11.12.75	17.12.75	—	
—	12.1.76	9.3.76	—	
—	20.10.75	11.2.76	—	Combined 913740
NBCD	12.2.76	18.2.76	—	
—	19.2.76	NK	—	

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ANNEXE A—continued

Branch or Group	EDP No	Course	Conducting Establishment	Duration in Days	Supporting Establishments	Subject	Starting Date	Completion Date	Min/Max Nos	Remarks
	913740	MTL 1	CERBERUS ..	156	—	—	10.11.75 3.3.76 11.3.76	2.3.76 10.3.76 —	—	Combined 913750
						NBCD	15.7.74 14.10.74 21.10.74	11.10.74 18.10.74 19.3.75	6-12	
						NBCD	2.9.74 29.11.74 6.12.74	28.11.74 5.12.74 5.5.75		
						NBCD	5.11.74 20.2.75 27.2.75	19.2.75 26.2.75 9.7.75		
						NBCD	6.1.75 14.4.75 14.4.75	4.4.75 18.4.75 20.8.75		
						NBCD	26.4.75 24.7.75 31.7.75	23.7.75 30.7.75 5.12.75		
						NBCD	22.7.75 16.10.75 23.10.75	15.10.75 22.10.75 18.3.76		
	913750	MTH 1	CERBERUS ..	116	—	—	20.10.75 12.2.76 19.2.76 25.11.74	11.2.76 18.2.76 NK 11.3.75	5-12	
						NBCD	12.3.75 19.3.75	18.3.75 30.5.75		
						NBCD	3.3.75	30.5.75		

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						NBCD	2.6.75 9.6.75	6.6.75 19.8.75		
						NBCD	26.5.75 21.8.75 28.8.75	20.8.75 27.8.75 7.11.75		
						NBCD	18.8.75 13.11.75 20.11.75	12.11.75 19.11.75 26.2.76		
	913910	Advanced MTP ..	CERBERUS ..	70 (incl 10 NBCD)	CERBERUS .. PENGUIN ..	NBCD	10.11.75 3.3.76 11.3.76 28.1.75 28.4.75	2.3.76 10.3.76 — 24.4.75 9.5.75	6-15	
						NBCD	8.5.75 4.8.75	1.8.75 15.9.75		
	913920	Advanced MTP D	CERBERUS ..	60 (incl 10 NBCD)	CERBERUS .. PENGUIN .. CERBERUS .. PENGUIN ..	NBCD	1.9.75 1.12.75 17.7.75 13.10.75	28.11.75 12.12.75 10.10.75 24.10.75	6-12	
	953080	MTP 4 Q	CERBERUS ..	85	—	—	13.1.75 18.8.75 23.9.75	16.5.75 17.12.75 11.12.75	6-15	
	N/N	Fitter Mechanical (Marine)	—	60	—	—	—	—	6	PNG
	953930	MECH	NIRIMBA ..	2 years	—	—	20.1.75	—	—	RMN
	913980	MECH MTP Ed.	NIRIMBA ..	20	—	—	12.5.75	6.6.75	8-20	
	913930	POMTP 3 (ex Mech.)	NIRIMBA ..	2 years	—	—	14.7.75	24.6.77	4-20	Combined 953930 maximum of 20
	953930	POMTP 3 (ex Mech D)	NIRIMBA ..	2 years	—	—	14.7.75	24.6.77	4-20	Combined 913930 maximum of 20
	913990	CPOMTH 4	NIRIMBA ..	40	—	—	14.4.75	6.6.75	4-8	
Marine Engineering Career and PCT	913620	TOW	CERBERUS ..	60	—	—	10.2.75 25.8.75	8.5.75 18.11.75	6-15	With 914960 916220, 917580

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ANNEXE A—continued

Branch or Group	EDP No	Course	Conducting Establishment	Duration in Days	Supporting Establishments	Subject	Starting Date	Completion Date	Min/Max Nos	Remarks
	913630	B and L	CERBERUS ..	20	—	—	3.2.75 5.5.75 18.8.75 10.11.65	28.2.75 30.5.75 12.9.75 5.12.75	4-10	
	913700	ACC Operators ..	—	—	—	14.1.75	21.1.75	4-8		
	902310	MTD ..	ALBATROSS	30	—	—	6.1.75 17.2.75 7.4.75 19.5.75 4.8.75 15.9.75 27.10.75	14.2.75 27.3.75 16.5.75 27.6.75 12.9.75 24.10.75 5.12.75	4-16	And ABAVN, WRAN
	913650	Art Diver ..	PENGUIN ..	20	—	—	As arranged	—	—	Courses commence weekly in conjunction with 903200
	913660	Advanced Welding	NIRIMBA ..	60	—	—	28.1.75 12.5.75 25.8.75	18.4.75 1.8.75 14.11.75	4	
	953040	PB AB/L/S MTP PCT	WATERHEN..	—	—	—	As arranged	—	—	
	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 Firefighting	ALBATROSS	3	—	—	As arranged	—	—	Ships with Landing Platform (and ME PCT)
	915600	Small Ships Helo Transport F/F	ALBATROSS	1½	—	—	As arranged	—	—	Ships without Landing Platform (and ME PCT)

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WEE Promotion	913080	MTH Lifesaving Equipment Maintenance	ALBATROSS	10	—	—	As arranged	—	2-8	
	913130	MTH Sailmaking Training	ALBATROSS	10	—	—	As arranged	—	2-8	Consecutive to 913080 if required
	914750	ET 1 ..	CERBERUS ..	75 (incl 5 NBCD)	—	—	9.9.75 28.10.74 6.1.75 3.3.75 5.5.75 30.6.75 25.8.75 20.10.75	10.1.75 4.3.75 24.4.75 20.6.75 19.8.75 14.10.75 9.12.75 2.3.76	10-28	
	914760	ETW 1 ..	CERBERUS ..	65	—	—	28.10.74 13.1.75 5.3.75 28.4.75 23.6.75 20.8.75	18.2.75 17.4.75 9.6.75 29.7.75 23.9.75 20.11.75	3-10	
	914770	ETS 1 ..	CERBERUS ..	65	—	—	15.10.75 28.10.74 13.1.75 5.3.75 28.4.75 23.6.75 20.8.75	12.2.76 18.2.75 17.4.75 9.6.75 29.7.75 23.9.75 20.11.75	5-10	
	914780	ETC 1 ..	CERBERUS ..	60	—	—	15.10.75 28.10.74 13.1.75 5.3.75 28.4.75 23.6.75 20.8.75	12.2.76 11.2.75 10.4.75 2.6.75 22.7.75 15.9.75 13.11.75	5-10	
	914920	Advanced MTL..	CERBERUS ..	110 (incl 10 NBCD)	CERBERUS ..	—	3.2.75 30.6.75	27.6.75 11.7.75	4-12	
	914930	Advanced ETS ..	CERBERUS ..	194 (incl 10 NBCD)	PENGUIN ..	NBCD	20.1.75 3.2.75	31.1.75 24.10.75	4-12	
	914950	Advanced ETC ..	CERBERUS ..	179 (incl 10 NBCD)	PENGUIN ..	NBCD	20.1.75 3.2.75	31.1.75 3.10.75	4-12	

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Branch or Group	EDP No	Course	Conducting Establishment	Duration in Days	Supporting Establishments	Subject	Starting Date	Completion Date	Min/Max Nos	Remarks
WEE Career and PCT	954950	CAETW/CAMTL	CERBERUS ..	70	CERBERUS ..	—	18.2.75	23.5.75	5-12	
	954960	CAETS	CERBERUS ..	75	WATSON	—	26.5.75	30.5.75	5-12	
	954970	CAETC	CERBERUS ..	115	—	—	20.1.75	9.5.75	—	
	914430	Exdak (Ship)	RANITE ..	50	—	—	20.1.75	4.7.75	—	
	924040	Junior Systems Acquaint (IKARA)	RANITE ..	15	—	—	24.2.75	2.5.75	-6	
							28.7.75	3.10.75	—	
							3.2.75	21.2.75	-6	
	954400	Helo Exdak System	RANITE ..	20	—	—	2.6.76	20.6.76	—	
							7.10.75	14.11.75	—	
	954410	Ikara System	RANITE ..	18	—	—	12.5.75	6.6.75	-6	
	954430	Attack Console	RANITE ..	40	—	—	30.7.75	22.8.75	-6	
							19.11.75	12.12.75	—	
	954440	Data Processing F2/F3	RANITE ..	65	—	—	19.5.75	11.7.75	-6	
	954450	Tracking System	RANITE ..	65	—	—	20.10.75	12.12.75	—	964580 pre-requisite
							3.2.75	2.5.75	-6	
	964580	Intro Digital Ikara	RANITE ..	10	—	—	25.8.75	21.11.75	—	Pre-requisite for courses 954430, 954440
							3.2.75	14.2.75	-6	
							5.5.75	16.5.75	—	
	913640	PBMTL	CERBERUS ..	17	—	CERBERUS ..	6.10.75	17.10.75	—	
							13.1.75	17.1.75	2-8	
914030	Pitometer Log	CERBERUS ..	3	—	WATERHEN	20.1.75	5.2.75	—		
						14.7.75	18.7.75	—		
914040	EM Log	CERBERUS ..	5	—	CERBERUS ..	22.7.75	6.8.75	—		
						12.3.75	14.3.75	—		
914120	Gyro 2005	CERBERUS ..	10	—	—	6.8.75	8.8.75	—		
						17.3.75	21.3.75	4-8		
914130	Gyro 5005	CERBERUS ..	5	—	—	11.8.75	15.8.75	—		
						1.4.75	14.4.75	4-8		
914140	AGMC G	CERBERUS ..	5	—	—	13.10.75	24.10.75	—		
						15.4.75	21.4.75	4-8		
914160	JDA/PAB	CERBERUS ..	9	—	—	27.10.75	31.10.75	—		
						14.4.75	18.4.75	4-8		
						27.10.75	31.10.75	-6		

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914180	IFFIO	CERBERUS ..	15	—	—	10.11.75	20.11.75	-6	
914200	Auto Phone Exchange	CERBERUS ..	5	—	—	28.1.75	17.2.75	—	
						23.6.75	11.7.75	4-6	
914260	MK 19/23 Gyro	CERBERUS ..	22	—	—	28.4.75	2.5.75	—	
914300	Sonar 170B/MCS 10	CERBERUS or WATSON	20	—	—	28.7.75	1.8.75	—	
						25.2.75	27.3.75	4-8	
						5.5.75	30.5.75	4-8	
						25.8.75	19.9.75	—	
						And as arranged	—	—	
914320	Sonar 176	CERBERUS ..	5	—	—	24.2.75	28.2.75	4-8	
914470	Sonar 162	CERBERUS ..	2	—	—	17.2.75	18.2.75	4-8	
914490	ARL Plot	CERBERUS ..	5	—	—	As arranged	—	—	
914500	A618/ACAS	CERBERUS ..	5	—	—	25.8.75	29.8.75	—	
914510	G91/CUH	CERBERUS ..	5	—	—	28.1.75	3.2.75	—	
914530	RATT	CERBERUS ..	11	—	—	14.7.75	18.7.75	—	
914540	T/Type	CERBERUS ..	23	—	—	1.4.75	15.4.75	4-12	
						16.4.75	19.5.75	4-12	Excludes RATT
914550	AN/URO 58	CERBERUS ..	10	—	—	1.4.75	14.4.75	-6	
914560	KG14	CERBERUS ..	35	—	—	23.9.75	6.10.75	—	
914570	AN/URT 23V	CERBERUS ..	20	—	—	10.7.75	28.8.75	4-8	
						20.1.75	17.2.75	4-12	
914580	AN/URR 1051B	CERBERUS ..	8	—	—	13.10.75	10.11.75	—	
914680	E/S 765	CERBERUS ..	2	—	—	18.2.75	27.2.75	4-12	
						11.11.75	20.11.75	—	
914690	TOWL	CERBERUS ..	55	—	—	24.3.75	25.3.75	—	
						18.8.75	19.8.75	—	
						3.2.75	23.4.75	6-15	Combined
						4.8.75	20.10.75	—	913620, 916220 917580
924030	M22/44 (Junior) Maintainer Acquaint	CERBERUS ..	40	—	—	17.6.75	12.8.75	4-8	
						1.9.75	27.10.75	—	
954010	KW37R	CERBERUS ..	30	—	—	28.5.75	9.7.75	4-8	
954030	KW7	CERBERUS ..	30	—	—	6.1.75	17.2.75	4-8	
954040	KL7	CERBERUS ..	6	—	—	29.8.75	10.10.75	—	
945120	MTR1	CERBERUS ..	5	—	—	20.5.75	27.5.75	4-8	
						As arranged	—	—	
954130	692/693 CUJ	CERBERUS ..	14	—	—	4.2.75	21.2.75	-8	
						22.7.75	8.8.75	—	

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Branch or Group	EDP No	Course	Conducting Establishment	Duration in Days	Supporting Establishments	Subject	Starting Date	Completion Date	Min/Max Nos	Remarks
	954200	AN/SRC 20/21 ..	CERBERUS ..	—	—	—	As arranged	—	4-6	
	954260	4.5" MK 6 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	—	—	14.4.75 8.9.75 17.11.75	23.4.75 17.9.75 26.11.75	4-8	
	954500	Sonar 164 ..	CERBERUS ..	5	—	—	3.2.75 29.9.75	7.2.75 3.10.75	4-8	
	954510	Sonar 174 ..	CERBERUS ..	5	—	—	10.2.75 6.10.75	14.2.75 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	—	—	23.6.75 1.12.75	1.7.75 9.12.75	-8	
	964040	Radar LWO 2A ..	CERBERUS ..	15	—	—	3.3.75 11.8.75 19.5.75	24.3.75 29.8.75 6.6.75	-6	
	964080	Radar 903 ..	CERBERUS ..	15	—	—	As arranged	—	4-6	
	964160	8GR-301 ..	CERBERUS ..	—	—	—	As arranged	—	—	
	964240	B40/B41 ..	CERBERUS ..	5	—	—	7.4.75	11.4.75	4-6	
	964280	978/JUA ..	CERBERUS ..	7	—	—	28.4.75 28.7.75	6.5.75 5.8.75	-8	
	964300	AC GEN DIST ..	CERBERUS ..	10	—	—	26.5.75 1.12.75	6.6.75 12.12.75	4-8	

	964310	Cathodic Protection	CERBERUS ..	3	—	—	1.4.75	3.4.75	4-8	
	964370	AN/SPA 34/50 ..	CERBERUS ..	18	—	—	23.9.75	16.10.75	4-6	
	964440	DC GEN DIST ..	CERBERUS ..	10	—	—	7.4.75 8.9.75	18.4.75 19.9.75	4-8	
	964490	JYA ..	CERBERUS ..	25	—	—	28.4.75 29.9.75	30.5.75 31.10.75	-6	
	964500	Sea Crypto Refresher	CERBERUS ..	5	—	—	17.3.75 1.12.75	21.3.75 5.12.75	4-8	
	964520	AN/UQN4 ..	CERBERUS ..	15	—	—	28.4.75 10.11.75	16.5.75 28.11.75	-6	
	964590	LCHWE PCT ..	CERBERUS ..	25	CERBERUS (10) MORETON (15)	—	As arranged	—	—	
	964630	Junior High Reliability Soldering	CERBERUS or NIRIMBA	5	—	—	As arranged	—	—	
	924070	Seacat Guidance	CERBERUS ..	—	—	—	As arranged	—	—	
	964640	Senior High Reliability Soldering	NIRIMBA ..	10	—	—	As arranged	—	—	
	N/N	Pre-Linesman ..	NIRIMBA ..	30	—	—	T.B.P.	—	—	
	954020	KW37T ..	HARMAN ..	10	—	—	20.1.75 7.7.75	31.1.75 18.7.75	4-8	
	954000	KW26C ..	HARMAN ..	45	—	—	3.2.75 4.8.75	4.4.75 3.10.75	4-8	
	954050	BID 610 ..	HARMAN ..	25	—	—	5.5.75 20.10.75	6.6.75 21.11.75	4-8	
	964480	Shore Crypto Refresher	HARMAN ..	5	—	—	21.7.75	25.7.75	4-8	
	914620	Shore Wireless PCT	HARMAN ..	20	—	—	5.6.75 25.7.75 17.11.75	3.7.75 22.8.75 12.12.75	4-8	WRETC WRETC WRETC
	914630	Shore Wireless PCT (POETC 3)	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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ANNEXE A—continued

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Branch or Group	EDP No	Course	Conducting Establishment	Duration in Days	Supporting Establishments	Subject	Starting Date	Completion Date	Min/Max Nos	Remarks
	924100	MK 44/46 Torpedo User Aspect Acquaint	WATSON ..	2	—	—	As arranged	—		
	964120	Solartron Trainer Maintainer PCT	WATSON ..	5	—	—	As arranged	—		
	944140	ASUAT Maintainer PCT	WATSON ..	5	—	—	As arranged	—		
	964600	DG Wooden Hull Maintainer	WATSON ..	2	—	—	As arranged	—		
	964610	DG Steel Hull Maintainer	WATSON ..	2	—	—	As arranged	—		
	924020	Sonar 182 Mod 2 Maint	WATSON ..	3	—	—	As arranged	—		
	924110	M22 System Maint/User PWT	CERBERUS ..	—	—	—	As arranged	—		
	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	PBETS 1	HARMAN ..	—	WATERHEN	—	As arranged	—		
	908440	Mk 8 Torpedo Maintainer	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	—		
	954470	Ikara Missile Kingswood	RANTME ..	—	—	—	As arranged	—		

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	964260	MHSAMk 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	—		
	N/N	NCDS Computer	DEFNAV ..	80	—	—	28.4.75	15.8.75		
	N/N	NCDS Display ..	DEFNAV ..	80	—	—	25.8.75	12.12.75		
Naval Airman Promotion	915710	ABAVN ..	ALBATROSS	30 (incl NBCD)	PENGUIN ..	NBCD	20.1.75	24.1.75		
						NBCD	27.1.75	28.2.75		
						NBCD	24.3.75	28.3.75		
						NBCD	1.4.75	2.5.75		
						NBCD	28.4.75	2.5.75		
						NBCD	5.5.75	6.6.75		
						NBCD	30.6.75	4.7.75		
						NBCD	7.7.75	8.8.75		
						NBCD	15.9.75	19.9.75		
						NBCD	22.9.75	24.10.75		
						NBCD	3.11.75	7.11.75		
						NBCD	10.11.75	12.12.75		
	915720	ABM ..	ALBATROSS	75 (incl NBCD and NAV YEO)	PENGUIN ..	NBCD	3.2.75	7.2.75		
					WATSON ..	NAV YEO	10.2.75	7.3.75		
					PENGUIN ..	NBCD	10.3.75	16.5.75		
					PENGUIN ..	NAV YEO	18.8.75	22.8.75		
						—	25.8.75	19.9.75		
						—	22.9.75	28.11.75		
	915730	ABPH ..	ALBATROSS	85 (incl NBCD)	PENGUIN ..	NBCD	TBP	—	2-6	
	915920	Advanced M ..	ALBATROSS	40 (incl NBCD)	PENGUIN ..	NBCD	14.7.75	25.7.75	2-4	
						—	28.7.75	5.9.75		

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Branch or Group	EDP No	Course	Conducting Establishment	Duration in Days	Supporting Establishments	Subject	Starting Date	Completion Date	Min/Max Nos	Remarks
Naval Airman Career and PCT	915930	Advanced PHOT	RAAF East Sale	—	—	—	TBP	—	—	See ME Career and PCT with 915720 Non UC Sailors
	915550	Basic Aircrewman	ALBATROSS	—	—	—	TBP	—	—	
	N/N	Advanced Aircrewman Fixed Wing	ALBATROSS	—	—	—	TBP in conjunction with 901132	—	—	
	N/K	Advanced Aircrewman Rotary Wing	ALBATROSS	—	—	—	TBP in conjunction with Sea King	—	—	
	902310	MTD	ALBATROSS	—	—	—	OFS	—	—	
	902620	ABM NAV YEO	ALBATROSS	20	WATSON ..	NAV YEO	10.2.75	7.3.75	—	
	915330	Aircrewman Introductory	WATSON ..	10	—	—	As arranged	19.9.75	—	
	915350	ABM Radiosonde and Bal Met	ALBATROSS	15	—	—	As arranged	—	—	
	915370	SAR Diver ..	ALBATROSS	—	PENGUIN ..	—	Held in conjunction with 903200 (Ships Diver)	—	—	
	915420	Fireman PCT ..	ALBATROSS	10	—	—	13.1.75	24.1.75	—	
							10.3.75	21.3.75	—	
							30.6.75	11.7.75	—	
							18.8.75	29.8.75	—	
915540	NIKONOS 35 mm Camera	ALBATROSS	5	—	—	27.10.75	7.11.75	—		
915470	ABM Radar Windfinding	ALBATROSS	15	—	—	As arranged	—	—		
915560	Advanced AVN Admin	ALBATROSS	15	—	—	As arranged	—	—		
						3.3.75	27.3.75	—		
						25.8.75	19.9.75	—		

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Air Engineering Promotion	N/N	MTD I ..	ALBATROSS	20	—	—	21.7.75	15.8.75	1-4	Includes leave	
	916750	ATA 1 ..	ALBATROSS	105 (incl 5 NBCD)	—	—	1974	18.4.75	—		
						PENGUIN ..	NBCD	21.4.75	24.4.75		4-12
						ALBATROSS	ENG	28.4.75	12.9.75		—
						PENGUIN ..	NBCD	14.7.75	18.7.75		4-12
						ALBATROSS	ENG	21.7.75	5.12.75		—
						PENGUIN ..	NBCD	20.10.75	24.10.75		4-12
						ALBATROSS	ENG	27.10.75	2.4.76		—
	916820	LSATA ..	ALBATROSS	60	—	—	3.2.75	2.5.75	4-12		
	916850	ATA 2 ..	ALBATROSS	160	—	—	18.8.75	16.4.76	4-12		
	916920	Advanced ATA ..	ALBATROSS	205 (incl 10 NBCD)	—	—	13.1.75	24.1.75	—		
						ALBATROSS	ENG	27.1.75	21.11.75		4-12
	917730	ATC 1.. ..	ALBATROSS	105 (incl 5 NBCD)	—	—	21.4.75	25.4.75	—		
						PENGUIN ..	NBCD	28.4.75	3.10.75		4-12
						ALBATROSS	ENG	14.7.75	18.7.75		—
					PENGUIN ..	NBCD	21.7.75	5.12.75	—		
					ALBATROSS	ENG	18.8.75	31.5.76	4-6		
957830	ATC 2.. ..	ALBATROSS	170	—	—	3.3.75	27.6.75	4-6			
917820	LSATC ..	ALBATROSS	85	—	—	13.1.75	24.1.75	—			
917920	Advanced ATC ..	ALBATROSS	165 (incl 10 NBCD)	—	—	27.1.75	26.9.75	4-6			
					PENGUIN ..	NBCD	—	—	—		
					ALBATROSS	ENG	—	—	—		
917740	ATW 1 ..	ALBATROSS	105 (incl 5 NBCD)	—	—	1974	18.4.75	—			
					PENGUIN ..	NBCD	21.4.75	25.4.75	4-12		
					ALBATROSS	ENG	28.4.75	3.10.75	—		
					PENGUIN ..	NBCD	14.7.75	18.7.75	—		
					ALBATROSS	ENG	21.7.75	5.12.75	—		
957840	ATW 2 ..	ALBATROSS	175	—	—	18.8.75	7.6.76	4-6			
917810	LSATW ..	ALBATROSS	85	—	—	3.3.75	27.6.75	4-6			
916810	LSATW (O) (Ex Weapons)	ALBATROSS	50	—	—	28.7.75	3.10.75	6-12			
917910	Advanced ATW ..	ALBATROSS	170 (incl 10 NBCD)	—	—	13.1.75	24.1.75	—			
					PENGUIN ..	NBCD	27.1.75	3.10.75	4-6		
					ALBATROSS	ENG	—	—	—		
916910	Advanced ATW (O) (Ex Weapons)	ALBATROSS	180 (incl 10 NBCD)	—	—	3.2.75	14.2.75	—			
					PENGUIN ..	NBCD	17.2.75	31.10.75	4-6		
					ALBATROSS	ENG	—	—	—		
916430	A4 SEAC ..	ALBATROSS	15	ALBATROSS	ENG	13.1.75	31.1.75	4-12			
						21.4.75	9.5.75	—			
						15.9.75	3.10.75	—			
						And as arranged	—	—			
916440	S2E SEAC ..	ALBATROSS	15	ALBATROSS	ENG	6.1.75	24.1.75	4-12			

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Branch or Group	EDP No	Course	Conducting Establishment	Duration in Days	Supporting Establishments	Subject	Starting Date	Completion Date	Min/Max Nos	Remarks
	916460	31B SEAC	ALBATROSS	15	ALBATROSS	ENG	21.4.75 15.9.75 And as arranged 6.1.75 21.4.75 15.9.75 And as arranged	9.5.75 3.10.75 — 24.1.75 9.5.75 3.10.75 —	4-12 4-12	
	916400	Sea King SEAC	ALBATROSS	NK	ALBATROSS	ENG	TBP	—	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	TBP	—	4-12	
	916220/917580	TOWATA/C/W	CERBERUS	40	CERBERUS ALBATROSS CERBERUS ALBATROSS	— — — —	10.2.75 1.4.75 25.8.75 13.10.75	24.3.75 11.4.75 6.10.75 24.10.75		
	916290	A4G SEAC Armament	ALBATROSS	20	—	—	21.4.75 7.10.75 And as required	19.5.75 4.11.75 —	2-6	
	916300	S2F SEAC Armament	ALBATROSS	10	—	—	21.4.75 7.10.75 And as arranged	5.5.75 20.10.75 —	2-6	
	916310	31B SEAC Armament	ALBATROSS	5	—	—	21.4.75 7.10.75 And as arranged	29.4.75 14.10.75 —	2-6	
	916590	MK50 SEAC Armament	ALBATROSS	5	—	—	TBP	—	2-8	
	916630	MK50 AEAC Armament	ALBATROSS	10	—	—	TBP	—	2-8	
	917480	A4G SEAC W	ALBATROSS	15	—	—	21.4.75 7.10.75 And as arranged	12.5.75 27.10.75 —	2-6	
	917490	S2E SEAC W	ALBATROSS	15	—	—	21.4.75 7.10.75 And as arranged	12.5.75 27.10.75 —	2-6	
	917500	31B SEAC W	ALBATROSS	15	—	—	21.4.75 7.10.75 And as arranged	12.5.75 27.10.75 —	2-6	
	916640	MK50 SEAC W	ALBATROSS	20	—	—	TBP	—		
	916650	MK50 AEAC W	ALBATROSS	25	—	—	TBP	—		
	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	—	—	6.1.75 7.10.75 And as arranged	3.2.75 4.11.75 —	2-6	
	917530	S2E SEAC C	ALBATROSS	20	—	—	6.1.75 7.10.75 And as arranged	3.2.75 4.11.75 —	2-6	
	917540	31B SEAC C	ALBATROSS	20	—	—	6.1.75 7.10.75 And as arranged	3.2.75 4.11.75 —	2-6	
	916690	MK50 SEAC C	ALBATROSS	20	—	—	TBP	—		
	957000	MK50 AEAC C	ALBATROSS	25	—	—	TBP	—		
	957010	A4G AEAC C	ALBATROSS	20	—	—	As arranged	—		
	957020	S2F AEAC C	ALBATROSS	20	—	—	As arranged	—		
	957030	31B AEAC C	ALBATROSS	20	—	—	As arranged	—		
	916550	SEAC SE	ALBATROSS	30	—	—	7.4.75 4.8.75 As arranged	16.5.75 12.9.75 —		
	917470	Advanced Air Admin	ALBATROSS	10	—	—	As arranged	—		

ANNEXE A—continued

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Branch or Group	EDP No	Course	Conducting Establishment	Duration in Days	Supporting Establishments	Subject	Starting Date	Completion Date	Min/Max Nos	Remarks
Supply and Secretariat Promotion	N/N 919910	SEAC Armament Advanced WTR..	ALBATROSS CERBERUS ..	70 30 (incl 10 NBCD)	—	—	TBP 7.7.75 22.7.75	— 18.7.75 15.8.75	6-10	Combined 907970
	919950	Advanced SV ..	CERBERUS ..	25 (incl 10 NBCD)	PENGUIN ..	NBCD	28.4.75 12.5.75	9.5.75 30.5.75	6-10	Combined 907980
	919940	Advanced SN ..	CERBERUS ..	25 (incl 10 NBCD)	PENGUIN ..	NBCD	14.7.75 23.6.75	25.7.75 11.7.75	6-10	
	919920	Advanced CK ..	CERBERUS ..	30 (incl 10 NBCD)	PENGUIN ..	NBCD	28.1.75 10.2.75 6.10.75	7.2.75 7.3.75 17.10.75	4-6	Combined 907710
	919930	Advanced STD ..	CERBERUS ..	25 (incl 10 NBCD)	PENGUIN ..	NBCD	20.10.75 12.5.75 26.5.75 3.11.75	14.11.75 23.5.75 13.6.75 14.11.75	6-10	Combined 907990
	919710	WTR ..	CERBERUS ..	85 (incl 5 NBCD)	—	—	17.11.75 13.1.75 10.2.75 12.5.75 30.6.75	5.12.75 9.5.75 6.6.75 5.9.75 24.10.75	6-9	Combined 907770
	919740	SN ..	CERBERUS ..	45 (incl 5 NBCD)	—	—	15.9.75 20.10.75 13.1.75 14.4.75 22.7.75	6.2.76 12.3.76 17.3.75 12.6.75 19.9.75	6-10	
	919750	SV ..	CERBERUS ..	45 (incl 5 NBCD)	—	—	13.10.75 10.2.75 28.7.75	12.12.75 16.4.75 26.9.75	6-10	Combined 907780
	919730	STD ..	CERBERUS ..	30 (incl 5 NBCD)	—	—	13.10.75 6.1.75 17.2.75 1.4.75 5.5.75 17.6.75	12.12.75 14.2.75 2.4.75* 9.5.75* 13.6.75* 25.7.75*	8-12	*Combined 907790

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Musician Promotion	919720	CK ..	CERBERUS ..	65 (incl 5 NBCD)	—	—	28.7.75 1.9.75 13.10.75	5.9.75* 10.10.75* 21.11.75*	6-8	Combined 907710
	919830	Small Ships Cooks	CERBERUS ..	5	—	—	28.7.75 1.9.75 13.10.75	5.9.75* 10.10.75* 21.11.75*	—	
Medical Promotion	921920	PO MUSN ..	CERBERUS ..	110 (incl 10 NBCD)	PENGUIN ..	NBCD	7.7.75 21.7.75	18.7.75 19.12.75	2-4	
	921700/10/20	MUSN ..	CERBERUS ..	400 (incl 5 NBCD)	—	—	6.1.75	1976	25	
Medical Career and PCT	918710	ABMED ..	CERBERUS ..	130 (incl 5 NBCD)	—	—	13.1.75 14.4.75 21.10.75	11.7.75 10.10.75 1976	20	Combined 907960
	918200	Lab Assistant ..	CERBERUS ..	280	PENGUIN for a. Army (80) b. Public Hospital (140)	—	As arranged	—	—	
Dental Promotion	918220	X-Ray ..	CERBERUS ..	190	PENGUIN for Public Hospital (130)	—	As arranged	—	—	
	918240	ORA ..	CERBERUS ..	140	PENGUIN for Public Hospital (80)	—	As arranged	—	—	
Dental Promotion	918260	AV Med ..	ALBATROSS	50	—	—	3.2.75 12.5.75 25.8.75	11.4.75 18.7.75 31.10.75	—	
	918330	UW Med ..	PENGUIN ..	130	—	—	13.1.75	1.8.75	—	
	918360	Hygiene Inspector	RAAF ..	—	—	—	—	—	—	Arranged by DEFNAV
	918380	Dispenser ..	CERBERUS ..	190	—	—	As arranged	—	2	
	918020	Isolated Billet PCT	CERBERUS ..	—	—	—	As arranged	—	—	
918370	ABDEN ..	CERBERUS ..	85 (incl 5 NBCD)	—	—	13.1.75 4.8.75	16.5.75 28.11.75	2-6		

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ANNEXE A—continued

Branch or Group	EDP No	Course	Conducting Establishment	Duration in Days	Supporting Establishments	Subject	Starting Date	Completion Date	Min/Max Nos	Remarks
Dental Career and PCT Miscellaneous	918410	Dental Hygienist	CERBERUS ..	85	—	—	28.7.75	21.11.75	7-12	Includes RAAF and Army WO CPO
	902600/610	WOSK WOMC..	CERBERUS ..	30	—	—	11.2.75 8.4.75 8.7.75	21.3.75 16.5.75 15.8.75	12-18	
	902340	PO Management	CERBERUS ..	20	—	—	4.11.75 7.1.75 4.2.75 4.3.75 1.4.75 3.6.75 1.7.75	12.12.75 31.1.75 28.2.75 27.3.75 25.4.75 27.6.75 25.7.75	12-18	
Naval Police	998018	New Entry ..	KUTTABUL ..	30	—	—	11.11.75 7.4.75 28.7.75	5.12.75 16.5.75 5.9.75	4-15	
	998990	Sergeant Promotion	KUTTABUL ..	20	—	—	10.11.75 2.6.75	19.12.75 27.7.75		
	998020	Naval Police Investigation	KUTTABUL ..	50	—	—	15.9.75 6.1.75	10.10.75 14.3.75		
Security	903410	Security Acquaint	DEFNAV ..	2	PENGUIN ..	—	10.2.75 12.5.75 11.8.75	11.2.75 13.5.75 12.8.75		
Education	902000	Teachers Certificate	LEEWIN ..	3 years	—	—	10.11.75 11.2.75	11.11.75		
	902500	SGCE Prep ..	LEEWIN ..	95	—	—	12.1.75 14.7.75	23.5.75 21.11.75	-4 -18	
	902510	Matric Prep ..	LEEWIN ..	18 months	—	—	—	5.12.75	-20	
Training	901533	Maths Bridging ..	CERBERUS ..	25	—	—	14.7.75 6.1.75	3.12.76 7.2.75		
	903600	Instr. Course ..	CERBERUS ..	8	—	—	13.1.75	22.1.75	6-8	

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Technology	903600	Training Analysis	CERBERUS ..	5	—	—	28.1.75	6.2.75	6-8	
							10.2.75	19.2.75	—	LEEWIN
							19.2.75	28.2.75	—	LEEWIN
							11.3.75	20.3.75		
							21.4.75	30.4.75		
							30.4.75	9.5.75		
							12.5.75	21.5.75		
							2.6.75	11.6.75	—	WATSON
							11.6.75	20.6.75	—	WATSON
							30.6.75	9.7.75		
9.7.75	18.7.75									
28.7.75	6.8.75									
6.8.75	15.8.75									
18.8.75	27.8.75									
23.9.75	2.10.75									
13.10.75	22.10.75	—	ALBATROSS							
22.10.75	31.10.75	—	ALBATROSS							
10.11.75	19.11.75									
19.11.75	28.11.75									
1.12.75	10.12.75									
13.1.75	17.1.75	1-16								
17.3.75	21.3.75									
5.5.75	9.5.75									
9.6.75	13.6.75	—	WATSON							
28.7.75	1.8.75									
6.10.75	10.10.75									
20.10.75	24.10.75	—	ALBATROSS							
17.11.75	21.11.75	—	NIRIMBA							
13.1.75	—									
28.1.75	—									
10.2.75	—	—	LEEWIN							
20.2.75	—	—	LEEWIN							
11.3.75	—									
17.3.75	—									
21.4.75	—									
30.4.75	—									
5.5.75	—									
12.5.75	—									
2.6.75	—	—	WATSON							
9.6.75	—	—	WATSON							
11.6.75	—	—	WATSON							
30.6.75	—									
9.7.75	—									

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Branch or Group	EDP No	Course	Conducting Establishment	Duration in Days	Supporting Establishments	Subject	Starting Date	Completion Date	Min/Max Nos	Remarks
							28.7.75	—		
							6.8.75	—		
							18.8.75	—		
							23.9.75	—		
							6.10.75	—		
							13.10.75	—		
							20.10.75	—		ALBATROSS
							22.10.75	—		ALBATROSS
							10.11.75	—		
							17.11.75	—		NIRIMBA
							19.11.75	—		NIRIMBA
	903670	Training Design..	CERBERUS ..	5	—	—	1.12.75	—		
							20.1.75	24.1.75	1-16	Pre-requisite
							24.3.75	28.3.75		Training
							12.5.75	16.5.75		Analysis
										903660
							16.6.75	20.6.75	—	WATSON
							4.8.75	8.8.75		
							13.10.75	17.10.75		
							27.10.75	31.10.75	—	ALBATROSS
	903640	Quality Control..	CERBERUS ..	10	—	—	24.11.75	28.11.75	—	NIRIMBA
							27.1.75	7.2.75	6-12	Pre-requisite:
							24.2.75	7.3.75		Instructor
							21.4.75	2.5.75		Course 903600
							23.6.75	4.7.75	—	LEEWIN
							14.7.75	25.7.75	—	WATSON
							22.9.75	3.10.75		
NBCD	902400	STD NBCD ..	PENGUIN .. CERBERUS ..	5	—	—	10.11.75	21.11.75	—	NIRIMBA
							As	—		required
							for	—		category
							courses	—		and as
							arranged	—		
							As	—		

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							required			
							for			
							promotion			
							courses			
							and as			
							arranged			
Diving	903200	Ships Diver ..	PENGUIN ..	15	—	—	Weekly—	—		
							as			
							arranged			
RANR	N/N	A1MTL ..	CERBERUS ..	13	—	—	3.2.75	14.2.75	2-8	
	N/N	A1ETC ..	CERBERUS ..	13	—	—	3.2.75	14.2.75	2-8	
							10.11.75	21.11.75		
	N/N	A2MTL ..	CERBERUS ..	13	—	—	13.1.75	24.1.75	2-8	
							28.7.75	8.8.75		
	N/N	A2ETC ..	CERBERUS ..	13	—	—	4.8.75	15.8.75	2-8	
	N/N	MTL ..	CERBERUS ..	13	—	—	13.1.75	24.1.75	2-8	
							18.8.75	29.8.75		
							10.11.75	21.11.75		
	N/N	ETC ..	CERBERUS ..	13	—	—	6.1.75	17.1.75	2-8	
							28.4.75	9.5.75		
							28.7.75	8.8.75		
							1.12.75	12.12.75		
	N/N	PBAMTL ..	CERBERUS ..	13	—	—	14.4.75	25.4.75	2-8	
							6.10.75	17.10.75		
	N/N	ABETC/AETC ..	CERBERUS ..	13	—	—	26.5.75	6.6.76	2-8	
							27.10.75	7.11.75		
	N/N	PBMTL ..	CERBERUS ..	13	—	—	17.3.75	28.3.75	2-8	
							16.5.75	6.6.76		
							1.9.75	12.9.75		
	951910	POQMG ..	CERBERUS ..	13	—	—	3.4.75	14.4.75	4-12	
							5.5.75	16.5.75		
							27.9.75	7.10.75		
	951710	ABQMG ..	CERBERUS ..	13	—	—	3.2.75	14.2.75	4-12	
							19.5.75	30.5.75		
							25.8.75	5.9.75		
	N/N	RO ..	CERBERUS ..	13	—	—	20.10.75	2.11.75	3-12	
	N/N	RS ..	CERBERUS ..	13	—	—	7.4.75	20.4.75	3-8	
WRANS	907700	Recruit ..	CERBERUS ..	24	—	—	14.1.75	14.2.75	20-40	
							25.2.75	27.3.75		
							1.4.75	2.5.75		
							13.5.75	13.6.75		
							1.7.75	1.8.75		
							5.8.75	5.9.75		

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ANNEXE A—continued

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Branch or Group	EDP No	Course	Conducting Establishment	Duration in Days	Supporting Establishments	Subject	Starting Date	Completion Date	Min/Max Nos	Remarks
							16.9.75	17.10.75		
							28.10.75	28.11.75		
							10.2.75	7.3.75	4-6	Combined with 919920
	907910	POWRCK ..	CERBERUS ..	20	—	—	20.10.75	14.11.75		
	907970	POWRWTR ..	CERBERUS ..	20	—	—	22.7.75	15.8.75	6-10	Combined with 919910
	907980	POWRSV ..	CERBERUS ..	15	—	—	12.5.75	30.5.75	6-10	Combined with 919950
	907990	POWRSTD ..	CERBERUS ..	15	—	—	26.5.75	13.6.75	6-10	Combined with 919930
	907920	POWRRP ..	WATSON ..	60	—	—	17.11.75	5.12.75		
	907900	POWRRPWA ..	ALBATROSS ..	13	RANTAU ..	—	10.2.75	2.5.75	6-9	Combined with 911950
	907930	POWRRST ..	CERBERUS ..	22	ALBATROSS ..	—	4.8.75	31.10.75		
	907940	POWRRSS ..	HARMAN ..	70	—	—	8.9.75	12.9.75	3-8	
					HARMAN ..	—	15.9.75	24.9.75		
					LONSDALE ..	—	25.2.75	26.3.75	1-2	Combined with 912930
					HARMAN ..	—	8.7.75	5.8.75		
					LONSDALE ..	—	10.2.75	9.5.75		
					HARMAN ..	—	12.5.75	16.5.75		
					LONSDALE ..	—	10.6.76	29.8.75		
					LONSDALE ..	—	1.9.75	5.9.75		
					HARMAN ..	—	8.9.75	5.12.75		
	907800	LWRRPWA ..	ALBATROSS	20	—	—	8.12.75	12.12.75		
					RANTAU ..	—	19.5.75	23.5.75		
					ALBATROSS ..	—	26.5.75	30.5.75		
					RANTAU ..	—	17.11.75	21.11.75		
					ALBATROSS ..	—	24.11.75	28.11.75		
	907830	LWRREG ..	CERBERUS ..	65	—	—	1.4.75	2.7.75		
	937710	WRCO ..	CERBERUS ..	30	—	—	6.1.76	17.2.75	6-16	
							17.2.75	4.4.75		
							1.4.75	13.5.75		
							5.5.75	18.6.75		
							17.6.75	28.7.75		
							4.8.75	12.9.75		
							8.9.75	20.10.75		
							20.10.75	1.12.75		
	937730	WRROT ..	CERBERUS ..	36	—	—	6.1.75	24.2.75	4-10	

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							18.2.75	9.4.75		
							7.4.75	26.5.75		
							14.5.75	1.7.75		
							19.6.75	6.8.75		
							29.7.75	15.9.75		
							15.9.75	5.11.75		
							21.10.75	9.12.75		
	937740	WRROS Sect B ..	HARMAN ..	115	—	—	26.9.74	11.4.75	5-8	
							7.10.74	20.5.75		
							19.2.75	5.8.75		
							7.4.75	16.9.75		
							20.6.75	29.11.75		
							30.7.75	6.2.76		
							15.9.75	19.3.76		
	907720	WRRP ..	WATSON ..	25-45	—	—	3.12.75	25.6.76	—	Combined with 911750
							—	7.2.75		
							—	21.2.75		
							20.1.75	11.4.75		
							30.6.75	12.9.75		
							11.8.75	24.10.75		
							15.9.75	28.11.75		
	907710	WRCK ..	CERBERUS ..	60	—	—	17.2.75	16.5.75	6-8	Combined with 919720
							5.5.75	25.7.75		
							4.8.75	24.10.75		
							15.9.75	5.12.75		
							13.1.75	2.5.75	6-9	Combined with 919710
							17.2.75	6.6.75		
							19.5.75	5.9.75		
							30.6.75	17.10.75		
							23.9.75	6.2.76		
							27.10.75	12.3.76		
	907780	WRSV ..	CERBERUS ..	40	—	—	17.2.75	16.4.75	6-10	Combined with 919750
							4.8.75	26.9.75		
							20.10.75	12.12.75		
							24.2.75	2.4.75	8-12	Combined with 919730
							7.4.75	9.5.75		
							12.5.75	13.6.75		
							4.8.75	5.9.75		
							8.9.75	10.10.75		
							20.10.75	21.11.75		
	907960	WRMED Sec A ..	CERBERUS ..	60	—	—	13.1.75	3.4.75		
							14.4.75	4.7.75		
							21.10.75	1976		

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Branch or Group	EDP No	Course	Conducting Establishment	Duration in Days	Supporting Establishments	Subject	Starting Date	Completion Date	Min/Max Nos	Remarks
	937760	WARMED Sec B	CERBERUS ..	60	—	—	8.4.75	4.7.75		
	907730	WRMTD ..	ALBATROSS	30	—	—	7.7.75	3.10.75	4-16	Combined with 902310
							6.1.75	14.2.75		
							17.2.75	27.3.75		
							7.4.75	16.5.75		
	907740	WRRPWA ..	ALBATROSS	20	CERBERUS ..	—	4.8.75	12.9.75		
					RANTAU ..	—	15.9.75	24.10.75		
					ALBATROSS	—	27.10.75	5.12.75		
					CERBERUS ..	—	14.4.75	25.4.75		
					RANTAU ..	—	28.4.75	9.5.75		
					ALBATROSS	—	12.5.75	23.5.75		
					CERBERUS ..	—	29.9.75	10.10.75		
					RANTAU ..	—	13.10.75	24.10.75		
	907040	WRET C 1 ..	CERBERUS ..	150	ALBATROSS	—	27.10.75	7.11.75		
					CERBERUS ..	—	5.11.74	2.6.75	-8	Combined with 914750 914780, 914620
					HARMAN ..	—	5.6.75	3.7.75		
					CERBERUS ..	—	13.1.75	22.7.75		
					HARMAN ..	—	25.7.75	22.8.75		
					CERBERUS ..	—	12.5.75	13.11.75		
					HARMAN ..	—	17.11.75	12.12.75		
					CERBERUS ..	—	7.7.75	5.2.76		
					HARMAN ..	—	9.2.76	—		
	947740	LWRRP/WRRP PCT	WATSON ..	15	—	—	27.10.75	—		
	907320	WRRP R/T Logging	WATSON ..	2	—	—	As	—	—	Jnr WRRP posted AJASS'
	902210	Shorthand Refresher	DEFNAV ..	—	—	—	arranged	—		
	907330	WRRPNCS	WATERHEN..	—	—	—	As	—		
	907300	WRRP NAV YEO	WATSON ..	20	—	—	arranged	—		
							10.2.75	7.3.75	—	Combined with 911010
							25.8.75	19.9.75		

(519/7/19)

(Navy Order 376/73)

18376/74

F. D. ATKINSON, Government Printer, Canberra

375/74

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RESTRICTED

ANOs 376/74-391/74



AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
13 December 1974.

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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- 386/74 Distribution of Publications and Amendments Managed by Executive Officer, Publications, Sydney—August 1974.

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388/74 Conditions of Service for PNG Personnel Undergoing Training in Australia.
389/74 Control of Drugs of Addiction, Restricted Substances and Other Poisons, and Deleterious Substances in the RAN.
390/74 Stores—Demands on Non-EDP Depots.
391/74 Technical Branch Sailors—New Titles and Badges.

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

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376/74—Joint Exercise Planning Group Charter

1. The Chiefs of Staff Committee (COSC) has authorised the establishment of an exercise co-ordination and planning group linking Fleet Headquarters, Headquarters Field Force Command and Headquarters Operational Command titled the Joint Exercise Planning Group (JEPG). The Chairman of the group be provided by the Joint Staff.

Composition

2. The JEPG is to consist of:

- a. *Chairman* — Head Joint Operations Staff, Department of Defence.
- b. *Members* — Officers of the rank of Lieutenant-Colonel equivalent appointed from Fleet Headquarters, Headquarters Field Force Command and Headquarters Operational Command.
 - a Director of the Australian Joint Anti-Submarine School (AJASS).
 - a senior Directing Staff member of the Air Support Unit (ASU).
- c. *Secretary* — a member of the Joint Warfare Staff, Department of Defence.

Tasks—General

3. In accordance with the attached schedule the JEPG is to prepare the following:
- a. annual report on joint training;
 - b. Joint Program of Service Activities (JPSA);
 - c. update the JPSA in the light of changes in available resources and participation; and
 - d. review joint exercise reports and promulgate joint exercise summaries.

Annual Report on Joint Training

4. The annual report on the state of joint training is to be based on joint exercise reports and the views of the operational command headquarters expressed through their JEPG members. It may include recommendations for changes to joint doctrine or procedures. The report is to be made to the Director Joint Staff.

Joint Program of Service Activities

5. The JPSA covers a two-year period and will:

- a. contain relevant details of:
 - (1) combined exercises,
 - (2) joint exercises,
 - (3) major Australian single Service exercises,
 - (4) joint seminars,
 - (5) command post exercises,
 - (6) senior officer study periods, joint warfare courses and joint tactical courses at AJASS and ASU, and
 - (7) any exercise or other activity which all Services agree should be included;

- b. be prepared in chronological order in two parts:
- (1) *Part I*—containing detail of activities scheduled for the first twelve months covered by the program, and
 - (2) *Part II*—containing an outline of forecast activities for the second twelve-month period.
6. Once the JPSA has been authorised by the COSC later amendments will be made in the following manner:
- a. the Service initiating the proposed change will request a program amendment through its JEPG representative;
 - b. the Chairman JEPG will obtain concurrence from all JEPG members and will call a special meeting out of session if it is a major change;
 - c. minor changes will be reviewed and promulgated by the Director Joint Staff; and
 - d. changes to major joint exercises will be referred to the COSC for decision.

JEPG Meetings

7. The JEPG meets at either the Department of Defence or an agreed Service headquarters, as often as necessary to:
- a. update the JPSA in the light of changes in available resources and participation;
 - b. review joint exercise reports and promulgate joint exercise summaries; and
 - c. comply with the JEPG schedule.

ANNEXE A

Joint Exercise Planning Group Schedule

The schedule will be used by the Joint Exercise Planning Group (JEPG) and the Joint Staff in the preparation and presentation of the report on joint training, the draft Joint Training Directive (JTD) and the draft Joint Program of Service Activities (JPSA).

<i>Serial</i>	<i>Event</i>	<i>Timing</i>
1.	JEPG prepare the annual report on joint training.	To be submitted to Director Joint Staff by end of September.
2.	Joint Staff prepare the JTD for submission with the annual report on joint training to the COSC.	For COSC approval by end of November.
3.	JEPG prepare the JPSA incorporating the requirements of the JTD, to cover the two-year period from 1 July next.	The draft JPSA to be passed to the Joint Staff by end of January.
4.	Joint Staff submit the draft JPSA to COSC.	For COSC approval by end of February.

(N341/8/8)

UNCLASSIFIED

377/74—RAN Life Saving Committee

1. The RAN Life Saving Committee terms of reference are:

- a. review from time to time all aspects of life saving and survival at sea, and submit proposals to the Naval Board;
- b. state the requirements for all life saving and associated equipment in the RAN (except those for the Fleet Air Arm) including maintenance and overhaul aspects;
- c. make recommendations for the introduction into, or withdrawal from, service of life saving and associated equipment and to co-ordinate action for the supply of approved items of equipment with the procurement divisions;
- d. initiate trials of new and modified equipment and the development of new items of equipment to the prototype stage (appropriate funds to be included in GMGID estimates);
- e. promulgate all information by means of Navy Orders, ABRs, etc;
- f. maintain a close liaison with the Director of Naval Air Policy regarding life saving and survival equipment for the Fleet Air Arm; and
- g. maintain a close liaison with the Safety Equipment and Survival School regarding the training of personnel in the use and maintenance of life saving and survival equipment.

2. The Committee will not normally concern itself with individual ships but will confine its work to items or principles which have a general application. The Committee will not have executive powers, and responsibilities for executive action to effect improvements remain as at present.

3. The Committee is under the chairmanship of the Co-ordinator of Naval Safety, and the following are represented:

Director of Navigation and Staff Duties
 Director of Naval Aviation Policy
 Director of Training
 Director of Submarine Policy
 Director of Victualling and General Stores
 Director of Ship Design
 Director of User Requirements
 Medical Director-General
 General Manager, Garden Island Dockyard
 OIC School of Safety Equipment and Survival, HMAS ALBATROSS
 Director of Transportation, Department of Defence (Army).

Observers

Department of Transport
 Department of Defence (Air).

4. Navy Orders 326/71 and 472/71 are hereby cancelled.

(Navy Orders 326/71 and 472/71)

(8/204/50)

UNCLASSIFIED

378/74—Title Change—Deputy Medical Director-General (Dental) to Director of Dental Services

1. The title of the Deputy Medical Director-General (Dental) has been amended to Director of Dental Services (Short Title DDS).

2. There will be no change in the duties and responsibilities of this Director who will remain responsible to the Medical Director-General for the organisation, administration and functioning of the Dental Branch.

(N505/1/3)

Section 2**PERSONNEL**

UNCLASSIFIED

379/74—RAN College Timetable 1975

1. Term dates for the Royal Australian Naval College in 1975 will be as follows:

Term 1	20 January to 1 May
Term 2	19 May to 21 August
Term 3	8 September to 12 December
Promotion Day ..	Thursday, 4 December

2. Navy Order 128/74 is hereby cancelled.

(341/8/7)

(Navy Order 128/74)

Section 3**OPERATIONAL AND TRAINING**

RESTRICTED

380/74—Action Information Organisation and Tactical Trainer (AIOTT) and Submarine Command Team Trainer (SCTT)**Introduction**

1. The Action Information Organisation and Tactical Trainer (AIOTT) and Submarine Command Team Leader (SCTT) are presently being installed in the Tactical Trainer Building at HMAS WATSON and should be accepted into service in early 1975 and late 1974, respectively.

2. The AIOTT and SCTT have been designed to operate either as separate trainers or as a combined trainer depending on the particular training objectives at the time. The total cost of the project is in the order of \$M14.5.

3. In brief, the trainer complex will provide facilities to:

- train officers and sailors in AIO procedures;
- train officers and command teams in tactical doctrine and to meet the tactical situation; and
- investigate and evaluate present and future tactics.

Tactical Trainer Building

4. The Tactical Trainer Building houses the AIOTT and SCTT with their respective staffs and also the Tactical School. Overall responsibility for the building and trainer complex is vested in the OIC AIOTT, with the OIC SCTT and the Director, Tactical School, being responsible for the operational activities of the SCTT and Tactical School respectively.

5. Maintenance of the trainer complex will initially be undertaken by a maintenance contractor. An Engineer and four Programmers from Department of the Navy civil staff will be permanently located in the Tactical Trainer, with responsibility for oversight of maintenance, post design services, and control and development of software.

6. The building has three floors (levels) and the general arrangement at each level is as follows:

- Level 1.* Situated below the ground, this level contains the equipment and computers necessary to generate and transmit realistic information to the various cubicles and operations room models. This level also houses a fully equipped DE Operations Room, CVS Lower Operations Room and an Oberon Class Submarine Control Room with debriefing room adjacent. Space is available for an operations room of a future generation of warship.
- Level 2.* The middle floor contains sixteen Command Cubicles, a DDG Operations Room, CVS Upper Operations Room, the periscope visual simulation room for the SCTT, Monitor Room, rest rooms and the Auditorium. A plant room, containing air conditioning plant, building services and conversion machinery plus the main switchboard, is also situated on Level 2.
- Level 3.* The top floor contains the main entrance, regulating and administration offices for the AIOTT, SCTT and the Tactical School, two Lecture Rooms, two Conference/Common Rooms, the Tactical Floor, five Syndicate Rooms, the Projection Room for the de-briefing and play back of tactical games and the Tactical School Library.

Action Information Organisation and Tactical Trainer (AIOTT)**General**

7. The AIOTT has been built and is being installed by the Solartron Electronics Group of UK, with EMI Electronics (Australia) Pty Ltd being a major sub-contractor.

8. The Trainer is among the most advanced naval operations trainers in the world, and provides for both individual and integrated use of command (or tactical) cubicles and ship operations room models. The AIOTT can also be fully integrated with the SCTT when required.

The Computer Area

9. This area contains the complex of computers in which are stored all the weapon, sensor and vehicle data and simulation programs necessary for play in any tactical situation. Also in this area are coastline and weather generators which provide realistic signals for coastline and weather effects for the Operation Rooms radar modelling.

10. The AIOTT can simulate the following at any one time:

- 16 Command Cubicles
- 4 Operations Rooms
- 35 Unmanned Vehicles
- 24 Sonobuoys
- 42 Weapons (including Jammers)
- 8 Fixed Objects
- 14 Thermal Layers, Winds, Coastlines.

11. In the preparation of a game, the type of vehicles required by the scenario, are selected from a library of vehicles for which data is available. The initial list of sensors and weapons can also be expanded as data becomes available. By suitable choice of data, future proposed sensors and weapons can be simulated and evaluated in a tactical situation.

12. The SCTT computer can be interfaced with the AIOTT computers providing a 'live' situation with a 'manned' submarine.

13. The computer playing area is a 1,024 nm square, on which two independent games can be played, each with two forces. The playing area can be divided, by suitable force location, into sub-areas which allow simultaneous tactical, submarine and RP training.

14. Part of the computer spares are held in a 'hot spares' installation forming an independent computer which can be used for the design and verification of improvements to the trainer programs including the development of simulation of new equipment.

Operations Rooms

15. These rooms are fitted with the appropriate radar display, instruments, communications and plotting facilities and resemble the Operations Rooms of HMA ships SWAN, BRISBANE and MELBOURNE in equipment and layout except as follows:

- a. in all Operations Rooms the instruments and communications are facsimile units of those fitted in the ships;
- b. in the DDG, a facsimile DDI console and display is provided;
- c. in the DDG Operations Room, the control of guns and missiles is effected by the specially designed Weapons Designation Equipment Console, which simulates the Weapon and Director Assignment Consoles used at sea. Similar equipment in the DE Operations Room controls the M22 and M44 Gunnery Systems;
- d. the facsimile Ikara Control Consoles in both the DDG and DE operations room are modified to incorporate the simulated Ikara Firing Programme.

16. The computer complex provides the variety of signals necessary to the user for each of these equipments to observe and react to the normal outputs he would receive at sea. These outputs are varied automatically by the computers in response to a number of parameters such as environmental conditions, manoeuvring of own ship and other vehicles, operating state of each equipment and settings of operator controls.

Operations Room Radar Simulation

17. A high level of realism has been achieved in the radar simulation by the appropriate mixing of various signals. The brightness and size of a contact is calculated by the computer in response to a number of parameters such as radar horizon, radar beam width and contact range, size and aspect. Jamming levels are calculated according to the range, bearing and power of the jamming source. The amount of clutter is determined by parameters such as sea state and wind direction and the coastline and weather generators provide realistic coastline and weather effects. Basic IFF responses are also determined by the computer (no SIF is available).

Command Cubicles

18. The Command (or Tactical) Cubicles are designed to exercise command decision making rather than procedural training. Of the sixteen Command Cubicles available, four are specifically designated as aircraft. The remaining twelve cubicles can be programmed to represent any ship, aircraft or submarine as required. Four of the cubicles contain an additional console to represent an Ikara fitted ship. Detection of a potential contact by a particular sensor is awarded or denied automatically by the computer in response to a number of parameters such as environmental conditions, current operating state of the sensor and contact range. If detection is awarded that contact can then be shown on a CRT representing a filtered tactical display. Control of the weapons and sensors fitted, and the manoeuvring of the vehicle represented by the cubicle, is exercised through keyboards fitted in the consoles. The equipment, displays and keyboards are unique to the Trainer. The consoles are arranged such that a command cubicle representing a ship could be effectively manned by three or four people. The Command Cubicles can be interfaced with the Operations Room models for major tactical games or command team training when required.

19. Computer controlled programmed learning is being prepared to enable students to familiarise themselves with the Command Cubicle facilities and their usage. This will reduce the time and staff required to introduce new students to the system.

The Monitor Room

20. All games are controlled by the Game Controllers and Monitors from the Monitor Room consoles. Extra vehicles (unmanned seaborne or airborne) required by the game scenario are controlled in the Monitor Room. For the Operations Room models, the Monitors act as all positions on the ship which are external to the Operations Room and provide information for, or react to, commands from the Operations Room, EW control room, SCR, bridge and MQO, etc. The tactical situation as seen by any command cubicle or any of the Operations Rooms can be duplicated in the Monitor Room for the performance of the Trainees to be evaluated. The Monitors can inject noise on the communication nets and permit or disallow communications between command cubicles. The Monitors can also degrade a vehicle's performance, weapons or sensors to implement damage sustained during an engagement or to apply a fault condition to the Trainee. Game speed can be adjusted by factors of $\frac{1}{4}$, $\frac{1}{2}$, 2, 4 or 8 times real time.

The Auditorium

21. The Auditorium is separated from the Monitor Room by a clear view screen. In the Auditorium are two screens on which the major game is being played, together with complimentary tote information, is displayed. These screens can be viewed from the Monitor Room and allow the Game Controller and Monitors to have an overall picture of the tactical situation as each individual unit track builds up. Monitors are

able to scrutinise individual ship actions on the monitor console video tubes. Tape recordings of communications on up to ten different channels, as well as a high speed line printer print out of certain activities can be made while the game is in progress.

22. Game de-briefing may be carried out in the Operations Rooms or in the Auditorium. The former would normally be used in the case of procedural training, whilst the latter allows a more complex problem or tactical game to be re-projected on the Auditorium screens in a dynamic fashion when necessary during a de-brief. The playback speed can be increased or decreased as required. The line printer print out and tape recordings are used to assist in the de-brief.

23. The Auditorium de-briefing facilities will provide considerable flexibility and permit a detailed examination of students performance as well as provoking lively discussions on the tactics employed, and decisions made. The AIOTT has the ability for a developed situation to be set up again and the game then replayed using different tactics which might have been postulated in a 'hot wash up' of the initial incidents.

Weapons

24. The simulation of weapons includes homing (for torpedoes) and awarding of hits and assessments of the probable result of an engagement. These are in response to a number of parameters such as weapon characteristics, range and bearing of target, delays between successive firings, and blind arcs.

Ikara Training Facilities

25. The high standard of simulation of the Ikara system enables operator training to be carried out at the facsimile Ikara consoles fitted in the DDG and DE Operations Rooms. The facsimile console response to the Operator's actions in a similar manner to the ship fitted console when in an Attack mode. The simulation includes the interlocks and limitations, such as 'Fixing Demands', 'MQO Ready', normally encountered at sea. In addition the Monitors are able to select the range and bearing errors of the target cuts. The firing sequence on the Attack Progress Panel can be caused to malfunction (eg, 'Sequence Failed'), to provide training in fault appreciation and correction.

Submarine Command Team Trainer (SCTT)

General

26. The SCTT has been built and is being installed by Ferranti Limited of UK with EMI Electronics (Australia) Pty Ltd being a major sub-contractor. The SCTT is a derivative of a Royal Naval version, but incorporates a number of improvements, advantage having been taken of a more modern Ferranti computer and the operating experience in the RN SCTT.

Control Room

27. The SCTT provides an Oberon Class Submarine control room fitted with the appropriate fire control equipment, sonar sets, attack periscope, radar display, instruments and plotting facilities. The computer complex provides the variety of signals necessary for the user of each of these equipments to observe and react to the normal outputs he would receive at sea. These outputs are varied automatically by the computer in response to a number of parameters, such as oceanographic conditions, manoeuvring of own submarine and targets, choice of target vessels, and inputs from operator controls. EW Inputs to the command team are provided verbally by an instructor using computer driven CRT displays.

Targets and Weapons

28. The trainer provides for the simulation of up to eight separate targets simultaneously, the type of vehicle used for each target being chosen from a library by the instructor. The initial list of vehicles in the library can be expanded indefinitely as data becomes available. The target vehicles can be fitted with a number of sensors and weapons chosen by the instructor from the libraries held in the computer. These libraries can also be expanded as data becomes available. A high standard of simulation of underwater weapons (including homing and the awarding of hits) will allow assessments to be made of weapon effectiveness and evasion techniques. The simulation of fire control and submarine weapons includes all the interlocks and system limitations which would normally influence firing at sea and in addition allows the instructor to apply common system faults to provide training in fault appreciation and correction.

29. The target vehicles and their equipment and weapons are normally selected, controlled, and monitored by an instructor from a console, using keyboards and CRT displays. Alternatively, when integrated with the AIOTT, the targets can be provided by the manned Operations Rooms and Cubicles of the AIOTT, or by a pre-recorded magnetic tape program.

Monitors

30. The instructor will monitor the performance of trainees from the consoles during the exercise or on completion of the game by the use of a line printer print out, or by running the exercise again from a magnetic tape recording.

Sensors

31. The periscope simulation is achieved by presenting, at the top of the modified periscope, a television picture which is produced by appropriate mixing of signals from eight television cameras. Each camera looks at a model of a selected target and the video mixing enables accurate representation to be made of angle on the bow, range, and vertical displacement from the horizon due to the earth's curvature. The simulation includes the masking of further targets by a near one, foreground wave motion, and helicopters.

32. A high level of realism has been achieved in sonar simulation, so that individual operator training may be carried out during promotion courses or continuation training, particularly on sonar intercept and classification.

Auditorium

33. The Tactical Trainer Auditorium has seating for 172, and will incorporate the necessary facilities for de-briefing as well as those required for conduct of symposiums. The Auditorium is, however, provided for the trainer and although games could be played while a symposium was in progress, this would prevent immediate de-briefing of a tactical game, possibly to the detriment of tactical trainer students.

Requests for AIOTT and SCTT Training

34. Requests for training periods in the AIOTT and SCTT are to be forwarded to the Commanding Officer, HMAS WATSON, for the attention of the Training Commander who will co-ordinate the overall requirements for the AIOTT and SCTT, in conjunction with the needs of the appropriate school responsible for the type of training requested. Informal discussions direct with the appropriate OICs in respect of particular course requirements may also be warranted before finalising requests with the Training Commander.

35. Commanding Officers are encouraged to discuss with the OICs AIOTT and SCTT, their proposals for the future use of these facilities with a view to providing the best result when the trainers finally become operational. In view of the AIOTT requirements to transfer and train AITC staff from the ND School, some reduction in AIO training capabilities of HMAS WATSON must be accepted in the changeover period. This period is currently assessed as the first quarter of 1975 and should only influence AIO practical training. A short non-effective period of approximately one month will also be required after SCTT acceptance in order to train the SCTT staff to operational status.

36. When setting to work circumstances permit, HMAS WATSON may implement one day briefings for Commanding Officers, operational staff officers and training staffs to assist in providing a knowledge of the trainers' capabilities and limitations. An AIOTT/SCTT prospectus is also in the course of preparation aimed at providing pre-user information.

(1426/9/168)

UNCLASSIFIED

381/74—Seaman Branch—Coxswain Category—Transfer, Promotion and Training

1. The rules for transfer, promotion and training in the Coxswain Category have been amended. The new rules are listed below. The conditions for transfer to the Coxswain Category are effective from the date of this order. The pre-requisites for promotion will be required to be held by 31 October 1975 in order to appear on the Promotion List effective 1 December 1975. However, Leading Seaman Coxswains who qualified for POCOX by the Advanced Coxswain Course will not be required to qualify for POCOX under the new rules.

Transfer

2. Applications for transfer to the Coxswain Category will be accepted from:
 - a. Able and Leading ranks of the Seaman and non-technical branches; and
 - b. Able and Leading ranks grades 1 and 2 of the technical branches (excluding Apprentices).
3. Able ranks of the Seaman branches will not be posted to the Coxswain Conversion Course unless they are qualified in all other respects to enable promotion to Leading Seaman Coxswain on successful completion of the course.
4. Non-Seaman sailors will not be posted to the Coxswain Conversion Course unless they are qualified in all other respects, including successful completion of the Able Seaman Seamanship Course and Sections 1 and 2 of the Seamanship Task Book, to enable promotion to Leading Seaman Coxswain on successful completion of the course. (Completion of the Seamanship Category Test for Leading Seaman will be required in lieu of the Seamanship Task Book until the latter has been formally introduced.)
5. Transfer will be subject to manpower requirements in the sailor's existing category.

6. Details of eligibility for transfer to the Coxswain Category are contained in Annexe A.

Volunteers for Transfer

7. Volunteers will be required on a continuing basis and the names of recommended volunteers should be forwarded by letter as soon as they come forward. Form PA11 will be raised in Navy Office for those sailors accepted for transfer. The application is to contain a brief statement by the Commanding Officer supporting his recommendation and is to be accompanied by a Psychologist report.

8. Navy Office will take the necessary action to post non-Seaman volunteers for the Able Seaman Seamanship Course and to sea for the completion of both sections of the Seamanship Task Book.

Training

9. Details of training for Coxswain are contained in Volume II of ABR 27.

Duties of the Coxswain Category

10. The duties and responsibilities for Coxswain Category sailors are contained in the Regulations and Instructions for the RAN.

Promotion

11. Details of promotion in the Coxswain Category are contained in Annexe B.

Charge Coxswain Course

12. Successful completion of the Charge Coxswains Course is a pre-requisite for promotion to Chief Petty Officer Coxswain. The course also qualifies a Coxswain sailor for postings to nominated charge or instructor billets.

Selection for the Charge Coxswain Course

13. The qualifications required for selection for the Charge Coxswains Course are:
 - a. successful completion of the POCOX Task Book. This Task Book is to be demanded from the Command Police Office, Naval Police Headquarters, Garden Island, on promotion to Petty Officer Coxswain;
 - b. at least two years seniority as a Petty Officer Coxswain;
 - c. passed Command Test Parts 1 and 2 for Chief Petty Officer; and
 - d. selection for this course will be based on PP1A scores.
14. Navy Order 210/73 is hereby cancelled.

ANNEXE A

Eligibility for Transfer to the Coxswain Category

The following sailors are eligible for consideration for transfer to the Coxswain category:

Leading and Able ranks of the Seaman, non-technical and Technical Branches grades 1 and 2 (excluding Apprentices) (Able Seamen must have passed Parts 1 and 2 of the Command Test for Leading rank) who:

- a. are recommended volunteers;
- b. have continuous VG Conduct for the previous two years before selection for the conversion course;
- c. are below 29 years of age on commencement of the conversion course;

ANNEXE A—continued

- d. hold a current motor vehicle driver's licence;
- e. have a minimum of one year sea service as an Able Seaman and above;
- f. are volunteers to re-engage if required;
- g. are medically fit;
- h. have completed the Able Seaman Seamanship Course and Sections 1 and 2 of the Seamanship Task Book. (Completion of the Seamanship Category Test for Leading Seaman will be required in lieu of the Seamanship Task Book until the latter has been formally introduced.)

ANNEXE B

Coxswain Category—Promotion

1. Leading Seaman Coxswain:
 - A. The Commanding Officer, HMAS KUTTABUL.
 - B. —
 - C. (1) Passed Parts 1 and 2 of the Command Test for Leading Seaman;
(2) Passed Leading Seaman Coxswain Conversion Course.
 - D. (1) Command Test for Leading Seaman;
(2) Leading Seaman Coxswain Conversion Course.
 - E. Able Seaman (Coxswain Category sailors may not be reduced in rank or reverted to their previous category in any rank higher than that for which they are qualified).
2. Petty Officer Coxswain:
 - A. NAVAL BOARD.
 - B. (1) Two years service as a Leading Seaman Coxswain;
(2) One years service as a Leading Seaman Coxswain;
(3) Continuous VG Conduct for eighteen months immediately preceding the date of promotion.
 - C. (1) Passed Parts 1 and 2 of the Promotion Board for Petty Officer;
(2) Completed Leading Seaman Coxswain Task Book;
(3) Passed Advanced Seamanship Course.
(4) Passed Advanced NBCD.
 - D. (1) Command Test for C (1);
(2) Commanding Officer for C (2);
(3) Commanding Officer, HMAS CERBERUS, for C (3);
(4) Commanding Officer, HMAS PENGUIN, for C (4).
 - E. Able Seaman (Coxswain sailors may not be reduced in rank or reverted to their previous category in any rank higher than that for which they are qualified).
 - F. Service qualification for Petty Officer Coxswain in B (1) and B (2) include period as Leading Seaman in previous category.

ANNEXE B—continued

3. Chief Petty Officer Coxswain:
 - A. NAVAL BOARD.
 - B. (1) Three years service as a Petty Officer Coxswain;
(2) One years seagoing service as a Petty Officer Coxswain;
(3) Continuous VG Conduct for three years immediately preceding promotion.
 - C. Successful completion of the Charge Coxswains Course.
 - D. Commanding Officer, HMAS KUTTABUL.
 - E. Able Seaman (Coxswains sailors may not be reduced in rank or reverted to their previous category in any rank higher than that for which they are qualified).

(303/21/196)

(Navy Order 210/73)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

382/74—Control of Drugs of Addiction, Restricted Substances and Other Poisons, and Deleterious Substances in the RAN

1. To clarify instructions regarding drugs of addiction contained in sealed first aid and emergency kits, accounting instructions for the drugs contained in these kits are summarised below.
2. All First Aid and Emergency Medical Kits, with the exception of 6545-66-019-9804 FIRST AID KIT, LIFERAFT, are issued direct to HMA ships and commissioned establishments.
3. The sealed kits are to be sighted and accepted as containing the drugs of addiction listed and taken on charge and recorded in the Drug Register (*see* Paragraph 51 of Navy Order 34/73).
4. While the kit remains unopened and its seal intact it is to be accepted as containing the drugs of addiction listed. Once the seal is broken, the drugs of addiction are to be afforded secure stowage. *See* Paragraph 18 of Navy Order 34/73.
5. 6545-66-019-9804 FIRST AID KIT, LIFERAFT (for twenty men inflatable liferaft survival pack) is passed and issued to HMA ships as part of a complete liferaft and survival pack. It is not issued direct to the ship and cannot be sighted by ship's personnel without removing the liferaft from its container. While this kit remains in the liferaft's container it need not be recorded in the Drug Register. If it is removed from the container it is to be treated as for all other first aid and emergency medical kits.

(156/51/163)

(Navy Order 34/73)

UNCLASSIFIED

383/74—HMA Ships and Craft—Stability

1. A weight record of each ship and craft is maintained at Navy Office and it is incumbent on Captains and Authorities concerned to report immediately to the Naval Board full particulars of any change in weight of a permanent nature. This includes changes in allowances of ammunition and stores.

2. The report is to include a description of the item, its Longitudinal, Transverse and Vertical position and weight. It should state whether the latter was determined by weighing or estimating and by whom an estimate was made.

3. Failure to render this report promptly could adversely affect approval of alterations and additions.

4. Navy Order 420/71 is hereby cancelled.

(1211/51/515)

(Navy Order 420/71)

UNCLASSIFIED

384/74—Introduction of Cooks Disposable Paper Caps

1. The following item has been introduced into service for wear by cook sailors and Wran cooks to replace the existing white drill caps:

Class	Catalogue No	Description	Unit of Issue	Acctg Classn
8415	66-072-7703	CAP, PAPER, COOKS	Ea	C

2. The rate of issue up to a maximum of five each per week is to be controlled by the Supply Officer or the Senior Cook in charge of each galley.

3. The item is available to ships and establishments, on demand from the Superintending Victualling Store Officer, Sydney (Depot Code 0124).

4. Existing stocks of drill caps may be used until exhausted.

(1/8415/50)

UNCLASSIFIED

385/74—Introduction of Disposable Paper Caps and Veils for Wear by RANNS and Wran Medicals

1. The following items have been introduced into Service for wear by RANNS and Wran Medicals and are now available on demand from the Superintending Victualling Store Officer, Sydney (Depot Code 0124):

Class	Catalogue No	Description	Unit of Issue	Acctg Classn
8410	66-064-8054	VEIL, PAPER, RANNS	Ea	C
8410	66-064-8055	CAP, PAPER, WRAN MEDICALS	Ea	C

2. The V5-61988 VEIL, ORGANDIE, will be retained for RANNS, on the basis of two each per member, for wear on special occasions, eg, Admiral's inspection, etc.

3. The V5-61113 CAP, NURSES AID, has been superseded by 8410-66-064-8055 CAP, PAPER, WRAN MEDICALS.

(1/8410/20)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

386/74—Distribution of Publications and Amendments Managed by Executive Officer, Publications, Sydney—August 1974

1. The Annexes to this order list publications and amendments distributed, declared obsolete, superseded, etc, during August 1974.

2. Allowances for ships and establishments will be issued without demand by the Publications Authority, Garden Island, NSW, and automatic updating is provided. Gratuitous and repayment issues will be dealt with separately.

3. Only issues of basic publications 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 will be promulgated. Ships and establishments are 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 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 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'.

ANNEXE A

Initial Issue of Basic Publications Issued to Approved Holders

Publication No	Title	Edition
AAP 7000-002-101 ..	.. Index Technical AAP and Assoc Tech Data (Iss 3)	—
AAP 7194-001-3M ..	.. HS748 Engine Exhaust Assy Ovhl Maint IPB Mod BSS	—
AAP 7210-010-1 ..	.. Bell Model 206B-1-Flight Manual ..	74
AAP 7211-015-1 ..	.. HS748 Flight Manual HS748 Aircraft Model 268	—
AAP 7211-015-1-2 ..	.. HS748 RAN Aircraft Performance Manual	73
AAP 7211-015-1-3 ..	.. HS748 Cruise Control Manual HS748 Model 268	73
AAP 7278-023-3 ..	.. HS748 Metering Duct (520030) ..	73
AAP 7524-030-3 ..	.. HS748 Indicator BRG Dist HDG 331C-48 522-2377003	71
AAP 7524-031-3M ..	.. HS748 Indicator Radio Navigational Aid	72
AAP 7610-081-2 ..	.. Sampling Voltmeter 3406A Probe Kit 11064A Tech	72
AAP 7610-099-2M ..	.. HS748 Net Measuring Calibrated Phase A31-1703-01	73
AAP 7619-072-2 ..	.. HS748 Generator Signal 618B/C ..	—
AAP 7627-022-2M ..	.. HS748 Vibrator 109 BTE ..	73
AAP 7632-005-2 ..	.. HS748 Transponder Test Set AN/APM 239	—
AAP 7632-126-2 ..	.. HS748 Radar Test Set AN/APM 209 ..	73
AAP 7632-127-2 ..	.. HS748 Radio Altimeter Test Set UG1984B1	72
AAP 7640-065-2M ..	.. HS748 AFM Indicator Test Set ..	73
AAP 7640-066-2M ..	.. HS748 Fault Location Test Set QC114 ..	73
AAP 7641-073-2M ..	.. HS748 Computer Test Rig AA 5626-J ..	—
AAP 7641-074-2M ..	.. HS748 Computer Test Rack AA 5625-I ..	73
AAP 7641-076-2M ..	.. HS748 Synchro Test Unit 7427 ..	73
AAP 7641-077-2M ..	.. HS748 Transmitter Diffrentl Synch Control A31-1704-01	73
AAP 7643-034-2M ..	.. HS748 Monitor Simulator GV Roll 672TE	73
AAP 7645-027-2M ..	.. HS748 Compass Simulator 272TE ..	73
AAP 7831-016-4M ..	.. HS748 SSB Transceivers—Collins 618T	71
AAP 7831-022-3-1 ..	.. UHF Radio Set AN/ARC IPB ..	—
AAP 873 ..	.. RAAF Manual of Movement ..	—
AAP 996-29 ..	.. NCO Photographic Course (Syllabus Ground Train)	74
ABR 5112 (6B) S1 Provisional	M22 Gunfire Control System Test On Board	74
ABR 5112 (6B) S2 Provisional	M22 Gunfire Control Radar Alignment AT SY	74
ABR 5166 ..	.. Navigation Lighting Control Panel ..	73
AP 102C-0300-13 ..	.. Gazelle Aero Engine and ECU S ALL Mks Modific List	74
AP 108G-0103-1 ..	.. Search and Rescue Equipment Type G ..	72

ANNEXE A—continued

Publication No	Title	Edition
AP 108G-0103-5FN ..	.. Search and Rescue Airborne Equipment Apparatus Type G	71
AP 110G-0116-125F ..	.. Adaptor MK3 Light Series Carrier Type (Naval)	72
AP 110G-0315-125F ..	.. EM Release Unit Type A ..	71
AP 110G-0404-125F ..	.. Fuzing Unit No 4 M, 1 ..	69
AP 110K-0802-125F ..	.. Pistol Pyrotechnic 1-1/2 No 4 MK1/1 ..	70
AP 113D-1005-2 ..	.. Generator Switching Units F6800 Series	70
AP 116B-0102-3ACD ..	.. Sub-miniature Radio Compass ARI 5877 Sched Pts	69
AP 116B-0901-5FN ..	.. ARI 23157/1/2 Sabre MK3 Search and Rescue Beacon	73
BR 1771 (13) B ..	.. Vol II Operating Instructions Valve Data	72
BR 2525 WP88101/02 ..	.. MRS 3 MOD 3 Director MK 1 MOD 1 ..	72
BR 2525 WP88116/03 ..	.. ALOs Sight T274/T274A ..	73
BR 2525 WP88213/03 ..	.. GWS 20 and 22 Power Unit 4459 ..	73
BR 2525 WP88213/04 ..	.. MRS 3 MOD 3 and GWS 22 Power Unit 4456	73
BR 2544 MODS (1) ..	.. Record of Retrospective Modifications ..	69
BR 2544 MODS (2) (with CHI and A/Ls 2 to 4) ..	.. Current Modifications H/Bk for 3 in Rocket Launcher System	69
BR 2544 (5) AV2 ..	.. Pt 5A (2) Setting to Work Predictor and AFCB10	73
BR 2547 (2) ..	.. Power Supply Units ..	72
BR 2791 (2) ..	.. Pt 3A Equipment, Technical Description	72
BR 2791 (3) ..	.. Pt 3B Performance Checks ..	72
BR 2791 (4) ..	.. Pt 3C Fault Diagnosis ..	72
BR 2791 (6) ..	.. Pt 4 System Diagrams ..	72
BR 2791 (7) ..	.. Pt 5 Main Console Series ..	72
BR 2800 (3) ..	.. Pts 3 and 5 Technical and Unit Information	72
BR 320E ..	.. List of Classified Naval, Air, SPDC, AMD and Weapon Control Stores	—
BR 3704 V1 (Amdt 1) ..	.. York Shipley Air Conditioning Plant Type 81—Frigates	72
BR 4168 V1 ..	.. H/Bks for Magnetic Tape Unit NSN 7440-99-523-4201	73
BR 4168 V2 ..	.. H/Bks for Magnetic Tape Unit NSN 7440-99-523-4201	73
BR 4205 ..	.. H/Bk for SIF Outfit SNA ..	73
BR 4225 ..	.. H/Bk for Radio Communication System, Modernised 'O' Class Submarines (Phase 2 fit)	72
BR 4510 (and CH1) ..	.. Refrigerant 12 Analyser ..	67
BR 4576 ..	.. Automatic Voltage Regulator MK100 Series VR	70
BR 4596 (and A/L1) ..	.. Electric connectors, miniature, installation and identification	72
BR 6570 (606) ..	.. Worthington Simpson Pump Type 1½ DVX6	73

ANNEXE A—continued

Publication No	Title	Edition
BR 6570 (609) (and A/Ls 1 and 2)	Rover/Miles Gas Turbine Portable Pump	73
BR 6572 (002) (and A/L1) ..	Dunlop HP Air Compressor Type IC205	72
DFM 2000	Telemetric Data Rec Record and Scoring Set AN/SKU-1	73
ELIST-E1139	Radar Waveguide Outfit Size 16 No 2 ..	74
ELIST-E1276	Outfit AYN (1) and (2)	72
ELIST-E1351	Outfit JUC (1, 2 and 3)	71
ELIST-E1458	Outfit QAA	70
ELIST-R1521 (and Amdt 1) ..	Outfit AT 2	69
ELIST-S1571	Establishment List for MS/DS Type FM16	71
NAVSUP 2002S8PC	Navy Stock List of Pubs and Forms ..	74
NA 01-1A-8	Aircraft Structural Hardware F/Aircraft Repair Engr H/Bk Series Basic dated 1/1/59 w/Chgs thru 9/15/71 U/C	
NA 01-85SAD-6-4	S-2D, E, G, ES-2D, US-2D Aircraft, Calendar Maint Rqmts Cards Basic 1 Mar 72 U/C	
NA 02B-10DAA-6-2	J52-P-6AV-P8A Aircraft Engines (Pratt & Whitney) Depot Maint Instr Basic dated 11/1/70 w/Chgs thru to 4/1/73	
NA 03-5GCA-506	Actuator Assy Twin Barrel linear Douglas Ovhl Instrs w/pb basic 1 Mar 71	
NA 05-2OUD-4	Sensor—3 Axis rate, P/N300385 The United States Time Corp Ovhl Instrs Basic dated 15 Feb 68	
NA 10-1-777	Film Catalog US Navy Basic July 1 71	
NA 11-75A-54	Launcher, LAU-7/A-3, Guided Missile Oper and Maint Instrs w/IPB Organizational, Intermediate and Depot, basic dated 3/1/71 w/Chgs thru 7/1/72	
NA 11-75A-57-1	Bombs, retard/non retard Assy/MER/TER pre-loading checklist, conventional weapons checklist (basic dated 15 Jan 71)	
NA 11-100-1	Cartridges and cartridge actuated devices for aircraft and associated equipment (McLaughlin Research) manual (Basic 7/1/72 w/Chgs thru 5/1/73)	
NA 16-30ARW77-5	Transmitting Set, Radio AN/ARW-77A Martin-Marietta Corp IPB (Basic dated 1 Feb 1969)	
NA 16-35AS909-2	Antenna AS909/ARA-48, AS-909A/ARA-48 and AS-2755/ARA-48 IPB (Basic dated 1 Feb 1972)	
NA 19-105B-13	Turbine Engine, pneumatic power gas, depot maint instrs (Basic dated 1 Sep 1973)	

ANNEXE A—continued

Publication No	Title	Edition
NSO 924-005-1000	Indicator ships course type A-B EH and L-N, TM Add Hulls AKA 113-117 CVA 68 CVAN 69 DDG35-36 LHA 1-5 LPD 7-10 SSN638-639 646-653 660-687 and VAR DES (Basic dated December 1965)	
NSO 967-071-5610	Radar set AN/SPS-10, FC-25, -10B, -10F, FC-19, -10C, FC18, -10D, FC17 and -10E, FC16	
NSO 967-091-4070	Not in 2002 Sect 6 Pt 1	
NSO 967-103-8060	Radar Set AN/SPS-10D ORM w/Chg 1	
NSO 967-426-6010	Interference Blanker MX-8758/UPX, TM Aug 71	
NZ BR 23 V1 (Cover)		
NZ BR 23 V2 (Cover)		
NZ BR 23 V3 (Cover)		
TEM-2815-0002	Installation book single cyl Enfield '85' MK2 and 3 Air Cooled Diesel Engine Briggs & Stratton Op/Maint/Inst Model 190700 to 190707 and 191700 to 191707	
TEM-3750-0002	List of Manuals Applicable to High Pressure Changing Set IC205	
TEM-4310-0001	High Pressure Pneumatic Compressor Sets June 17/65 RV No 1 Insertion	
TEM-4310-0002	Installation Notes for Compressor Sets March 3/72	
TEM-4310-0003	Oil and Water Traps June 9/72	
TEM-4310-0004	Inst/Bk WA40 for Installation and OP of Worthing Type BPO Centrifugal Pumps	
TEM-4320-0003	Macchi IPB for Inverter Assy Pt No MGE-22-1	
TO 8C7-4-11-4		

ANNEXE B

Publications Declared Obsolete

Publication No.	Title	Edition	Remarks
AP101A-1104-1 ..	Sea King Carriage of Cargo and Equipment	—	Will be amalgamated with AP101A-1105-1 by A/L45
BR 1197 ..	Sigs. Generator CT312, CT313, CT314, CT314A	—	Obsolete
BR 1451 ..	Voltmeter Electronic 6625-99-972-7776	—	Obsolete
BR 1771 (1) ..	APW500 Capacity Inductance Bridge HB	52	Obsolete
(11) ..	CNRTE Signal Generator Type CT53	54	Obsolete
(2) ..	Test Equipment Oscillator G205	—	Obsolete
(3) ..	AP100320 Q Meter 150 KC/S to 50 MC/S H/Bk	58	Obsolete
(46) ..	H/Bk CRETE Oscilloscope CT484	64	Obsolete
(5) ..	Test Equipment Voltmeter CT54	—	Obsolete
(6) ..	Test Equipment Oscilloscope 13A	—	Obsolete
(8) ..	Test Equipment Wattmeter AP54708	—	Obsolete
(9) ..	Test Equipment Deviation FM No. 2	—	Obsolete
BR 1781 (2) ..	H/Bk of the Common Range Electrical Testing Equipment—Allowances	70	Obsolete
BR 2343 (1) ..	H/Bk for Type 632S (2)—Text	74	Superseded by 1974 Edition
BR 3607 ..	H/Bk for Shafting Propellers and Rudders—County Class	63	Superseded by BR 6570 (609)
LE 32 ..	—	—	Obsolete

Superseding Publications will be issued to approved holders without demand.

ANNEXE C

Publications Declared Obsolete by MOD (N) UK But Still Current in RAN

Publication No.	Title	Edition	Remarks
BR 1771 (14) ..	Frequency Swept Oscillator 7-70MC/S CT202 H/Bk	— 56	
(32) ..	Calibrator Frequency CT432—CRETE H/Bk	60	
(34) ..	Oscilloscope CT414 H/Bk JSN6625-99-943-1632	62	
(43) ..	CRETE H/Bk Generator Noise CT410	63	
BR 2347 ..	H/Bk for Marconi Two Tone Keying Unit Type N7030	62	
TP 37 ..	Bloctube Maintenance and Service Manual	—	

Updating will be provided by way of RAN amendments.

Publication Not Currently Available for Supply

BR 2248 ..	H'Bk for Guided Weapon Director Mk 1 Mod 1	—	
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Publications of Which Stock is Exhausted

BR 2525 WP88101/01	GWS1 and 2 Director Mk1 Mod 0 and Mk 1 Mod 1	72	
BR 2525 WP88102/01	GWS 21 Director ..	73	
BR 2525 WP88105/01	GWS2 Warmup and Firing System Mk 2 Mod 0	70	
BR 2525 WP88115/04	Director Aiming Binocular Sight Mk 2 for Medium Range System Mk 3 Mod 1 and Fly-plane Predictor Mks Mod 1	73	
BR 268 (54) ..	Alternating Current Main Supply System—DARING Class Destroyers	55	
BR 45 (2) ..	Admiralty Manual of Navigation V2	—	Being Revised

ANNEXE D

Stock Now Replenished

Publication No	Title	Edition
ABR 27 V2	RAN Training Manual	74

Amendments Issued to Publications

Publication No	Amendment/Change
AAP 1125 V1V2V3	25
AAP 7001.007-1	13
AAP 7002.012-2	24
AAP 7021.003-1	14
AAP 7052.001-1	4
AAP 7053.001-1	7, 8
AAP 7111.009-3-1	12, 13, 14
AAP 7113.003-2	19, 20, 21
AAP 7113.004-3-1	30
AAP 7152.004-3	8
AAP 7161.017-100	8
AAP 7181.009-3M	43
AAP 7184.002-3M	7, 8, 9
AAP 7184.003-3M	33
AAP 7195.003-3	8, 9
AAP 7210.008-7-1	9
AAP 7210.010-100	11, 12
AAP 7210.010-2-3	1
AAP 7210.010-3	1
AAP 7210.010-5	2
AAP 7210.012-6-6P	4, 5, 6
AAP 7211.004-6-7	4
AAP 7211.005-100	125, 126
AAP 7211.006-4A-1	5
AAP 7211.006-99	56
AAP 7211.006-100	283, 285
AAP 7211.015-1-4	6, 7
AAP 7211.015-2-1	11
AAP 7212.001-2-5	35
AAP 7212.001-3	27
AAP 7212.001-4	21
AAP 7212.001-6-6	3
AAP 7212.001-6-7	12, 13
AAP 7212.001-6-15	5, 6
AAP 7212.004-3	4, 5, 6, 7, 8, 9, 10
AAP 7221.001-99	101
AAP 7221.005-3M	23
AAP 7271.021-3M	2
AAP 7272.076-3	10
AAP 7272.081-3	7
AAP 7275.007-3M	5, 6, 7
AAP 7276.173-3M	1
AAP 7278.129-3M	6
AAP 7291.008-100	5
AAP 7291.008-4	1

ANNEXE D—continued

Publication No	Amendment/Change
AAP 7291.010-3M	3
AAP 7293.026-3M	10, 11, 12, 13
AAP 7293.027-3M	8
AAP 7293.031-3M	4
AAP 7293.033-3M	4, 5, 6
AAP 7293.034-3M	4, 5
AAP 7293.039-3M	2
AAP 7293.043-3M	3, 4
AAP 7293.055-3	6, 7
AAP 7296.020-3M	2
AAP 7415.004-3M	3, 4, 5
AAP 7415.010-3M	5
AAP 7415.028-3M	3
AAP 7415.042-3	2
AAP 7416.005-3M	4
AAP 7416.034-3	4
AAP 7421.005-3M	7, 8, 9
AAP 7421.006-3M	11
AAP 7431.009-3M	5
AAP 7431.059-3M	5, 6
AAP 7432.040-3M	6
AAP 7434.010-3M	3, 4, 5
AAP 7434.042-3M	7
AAP 7435.032-3	4
AAP 7441.003-3M	4
AAP 7442.013-3M	2
AAP 7442.032-3M	2, 3
AAP 7442.035-3M	3
AAP 7445.008-3	8, 9, 10, 11, 12
AAP 7453.007-3M	3
AAP 7453.021-3M	4
AAP 7483.003-3M	2
AAP 7513.022-3M	2
AAP 7513.037-3M	4
AAP 7521.003-3M	11
AAP 7521.011-3M	4
AAP 7521.019-3M	3
AAP 7521.041-2	1
AAP 7522.060-3M	3
AAP 7531.037-3M	5
AAP 7531.054-3M	5
AAP 7532.021-3	6
AAP 7533.018-3M	18
AAP 7550.001-1	9
AAP 7600.500-14	13, 14, 15, 16
AAP 7619.010-3M	1
AAP 7619.072-2	2
AAP 7630.020-2M	3
AAP 7630.021-2M	1
AAP 7633.127-2M	1
AAP 765.162 V1V3V6	1

ANNEXE D—continued

Publication No	Amendment/Change
AAP 7831.016-2	2
AAP 7831.016-4M	3
AAP 7831.022-3-1	6
AAP 996.60	5, 6
AAP 997.106	7
AAP 998	6
ABR 10	3
ABR 4	I.CH.22
ABR 5V1	5
ABR 540 (2) P3	1
ABR 540 (4) P5 E/1	CN 1
ABR 540 (4) P5 E/2	CN 1
AP RAN 100V1 P17	21
AP RAN 100V2 P11	37, 45
AP RAN 100V2 P3	46
AP RAN 100V2 P9	54, 55
AP RAN 10213	7, 8
AP RAN 19V2B1B212	106
AP RAN 201V2	35
AP RAN 2096	TS 58, TS 59
AP RAN 2099	18
AP RAN 28V1-V612	5
AP RAN 500V2 P1	225, 227, 228 and 229
AP RAN 500V2 P2 P3	87
AP RAN 500V4 P2	38
AP RAN 500V4 P3	33
AP RAN 600V2 P1 I2	117
AP RAN 71V5	6
AP RAN 8 CREWNOTES	AIL 18 and 19
AP RAN 8V1 B3	54
AP RAN 8V6 P1	AIL 12 and 51
AP RAN 8V6 P3	58
AP RAN 9AB V2	AIL 55
AP RAN 9B V6 P2A34A	86, 87, 88 and 89
AP 10000Z-0201	AIL 1/74, 2/74 and 3/74
AP 101C-0101-5C	19, AIL 1/74
AP 101C-0401-1A	56, 57, 58, 59
AP 101C-0401-1C	67
AP 101C-0401-3B	144
AP 101C-0401-4A3	22, 23
AP 101C-0401-5C	AIL 2/74 and 3/74
AP 101C-0401-6A	37
AP 101C-0401-6B	36
AP 101C-0701-1B	77
AP 102C-0708-3A	7
AP 104G-1007-16	1
AP 104G-1018-1	2
AP 106E-0401-6	11
AP 107C-0402-1	2
AP 108E-0023-1	3
AP 108E-0101-12	8, RAN 2
AP 108E-0203-12	6, 7

ANNEXE D—continued

Publication No	Amendment/Change
AP 108E-0301-1	4
AP 108F-0001-2 (R)	206C45
AP 108F-0202-12	6
AP 108F-0202/3-6	6
AP 108F-0203-12	8, 9
AP 108F-0204-12	3
AP 108F-0604-6	6
AP 108F-0604-12	13
AP 108F-0902-12	7, 8
AP 108F-0904-1	6
AP 108G-0202-16	6
AP 109A-0001-2	1492C13 and 1493B925
AP 109E-0103-1	11
AP 110C-0102-125Q	1
AP 110C-0203-12	2
AP 110D-0403-12	4
AP 110E-0302-12	4
AP 110E-0504-1	3
AP 110F-0104-15NQ	2
AP 110N-0310-1	4
AP 112C-0326-13A6	6
AP 112G-0002-1	3
AP 112G-0102-1	23
AP 112G-0306-3AN	2
AP 112G-0563-13A6	6
AP 112G-0725-1	8
AP 112G-0753-1	10
AP 112G-1112-16	10
AP 113B3P1P2E12	38
AP 113C-0202-13A	AIL 1/74
AP 113D-0104-16	2
AP 113D-1384-1	1
AP 113E-0201-16	AIL 1/74
AP 113E-0413-6	1
AP 113F-1001-1	7
AP 113L-0101-13A6	2, 3
AP 114L-0100-5FN	AIL 1/74 and 2/74
AP 116A-0001-1	33
AP 116B-0901-1	AIL 1/74
AP 116D-0102-1A	39
AP 116D-0102-2	134, 135
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NA 01-40AVC-3	RAC 6
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NA 01-40AVD-2-4	RAN 6
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(Navy Orders 158/74 and 236/74)

(465/61/228)

AMENDMENTS

UNCLASSIFIED

387/74—Allowances and Conditions for Oversea Service Trainees Training in Australia under an Aid Agreement

Navy Order 136/73 is to be further amended as follows:

Paragraph 2. d.:

Delete \$2.43, and insert in lieu \$2.34.

Paragraph 2. f.:

Insert the following:

‘Trainees who spend less than thirty days in Australia are entitled to be paid \$32.50 clothing allowance.’

(311/201/241)

(Navy Order 136/73)

UNCLASSIFIED

388/74—Conditions of Service for PNG Personnel Undergoing Training in Australia

Navy Order 39/73 is to be further amended as follows:

Paragraph 13:

Insert the following:

Trainees who spend less than thirty days in Australia are entitled to be paid \$32.50 clothing allowance.

(311/201/24)

(Navy Order 39/73)

UNCLASSIFIED

389/74—Control of Drugs of Addiction, Restricted Substances and Other Poisons, and Deleterious Substances in the RAN

Navy Order 34/73 is to be amended as follows:

a. Paragraph 51:Add new **Sub-paragraph b.** as follows:‘b. Sealed First Aid and Emergency Medical Kits (except 6545-66-019-9804 FIRST AID KIT, LIFERAFT—see Annex E Paragraph 3 d) are to be sighted upon receipt and accepted as containing the drugs of addiction listed and taken on charge and recorded in the Drug Register—Form SA115. Once a sealed kit is opened, the drugs of addiction are to be afforded security stowage *vide* Paragraph 18 and remnants (including narcotics) returned to Meddepts for replacement in due course.’

b. **Annexe E, Paragraph 3:**

Add new **Sub-paragraph d.** as follows:

'd. While the liferaft remains packed in its container the first aid kit need not be recorded in the ship's Drug Register.'

(156/51/163)

(Navy Order 34/73)

UNCLASSIFIED

390/74—Stores—Demands on Non-EDP Depots

Navy Order 114/74 is to be amended as follows:

Paragraph 9:

Delete **Sub-paragraph 9 e.**

Paragraph 11:

Add: 0191 Navy Store Depot, Williamstown
0205 RAN Armament and Weapon Equipment Depot, Maribyrnong
0221 RAN Armament and Weapon Equipment Depot, Byford

(400/1/3563)

(Navy Order 114/74)

UNCLASSIFIED

391/74—Technical Branch Sailors—New Titles and Badges

Navy Order 43/73 is to be amended as follows:

Paragraph 7:

- a. after 'Petty Officer and above' insert 'Grade 3'.
- b. on the next line insert:

'Chief Petty Officers and above, A crown above and one star below Grade 4 the category badge.'

(67/1/4)

(Navy Order 43/73)

DALS

RESTRICTED

ANOs 392/74-409/74



AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
15 December 1974.

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

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AMENDMENTS

- 408/74 Degreasing Agents—General Instructions and Precautions for Use.
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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

RESTRICTED

392/74—Discussions With Representatives of Private Firms Including Ex-service and Ex-departmental Civilian Personnel Employed by Private Industry

1. The security clearances of private firms and their representatives should be confirmed by Senior Executive Officer (Security) Navy Office, Deputy Director Defence Security (Navy), Command or Area Security Officers as appropriate, before entering into discussions or transactions of a classified nature.

2. A number of ex-service and ex-civilian officers have taken positions with private industry and have frequent contact with Department of Defence and the RAN in connection with their companies' business.

3. Attention is drawn to the fact that an officer's or employee's security clearance (including special clearances, eg, CRYPTO) lapses when employment ceases and therefore classified matter may not be discussed by virtue of their previous security status.

4. The fact that representatives of firms have had previous dealings with the Department of Defence or other Departments should not be regarded as confirmation of their bona fides so far as security is concerned.

5. Navy Order 458/71 is hereby cancelled.

(1617/203/28)

(Navy Order 458/71)

UNCLASSIFIED

393/74—HMAS SYDNEY—Disposal of Relics

1. Certain items of ships equipment and fittings removed from HMAS SYDNEY are available for sale to personnel who have served in the ship.

2. Annexe A of this order details the items that are available and prices at which they will be sold.

3. Applications may be made for:

- one particular item;
- one of a number of items in order of preference;
- any item which it may be possible to allot.

4. In anticipation that more than one request will be received for each item, a Departmental Committee will evaluate all requests received, and recommend allocation based on approved criteria.

5. Applications, which should not be accompanied by cheques, are to be forwarded to the Special Deputy (Navy Office), Canberra, by 1 February 1975.

6. The responsibility for transporting the items allocated will be that of the purchaser. Items allocated can be collected from the SVSO, REVY, Jones Bay Road, Pyrmont, NSW, on prepayment and must be removed within eight weeks of notification of availability.

ANNEXE A

Furniture and Portable Fittings Ex HMAS SYDNEY

Item No	Description	Qty	Value for Sale \$
S1	Telescope—Brass Plaited Cord Cover Serial No 7229, Extends to 20"	1 No	5.00 Ea
S2	Lamp, Standard, 10"—Circular Brass Base with two uprights and cross piece forming the axis for the lamp and a pendulum balance 9½" high	1 No	1.00 Ea
S3	Bookshelf and Cupboard—Polished Cedar 67" long, 36" high, 12½" deep. Four hinged glass doors with keylocks	1 No	8.00 Ea
S4	Sideboard—Polished Cedar 83" long, 21" deep, 37" high, with four doors and four drawers	1 No	10.00 Ea
S5	Table, Occasional, Rectangular—Polished Cedar 48" long, 20" wide, 18" high, with four legs and centre shelf	1 No	4.00 Ea
S6	Coffee Tables—Polished Cedar 17½" diameter, 20" high, with four turned legs. Ex CO cabin	2 No	4.00 Ea
S7	Chairs, Lounge—Upholstered vinyl 34" high	2 No	8.00 Ea
S8	Wardrobe—Polished Cedar, two door 60" long, 34" deep, 42" wide, complete with external small mirror and wooden base. 1 No external drawer	1 No	16.00 Ea
S10	Boat Steps—Polished Cedar 22" wide, 18" high with 2 No 8" wide treads with non-skid surface	1 No	5.00 Ea
S11	Dressing Table—Polished Cedar 20" long, 27" high, complete with mirror and nine drawers fitted with metal drop handles	1 No	10.00 Ea
S12	Bedstead—White tubular metal bedends with vono spiral spring mattress	1 No	13.00 Ea
S13	Chest of Drawers—Wooden (under bunk) 80" long, 24" wide, 22" high, complete with four drawers. Requires repair	1 No	6.00 Ea
S14	Shaving Cabinet—Polished Cedar 14½" wide, 20" long, 7" deep, mirror missing	1 No	4.00 Ea
S15	Lamps, Standard, 10"—Circular Brass Base with two uprights and crosspiece forming the axis for the lamp and a pendulum balance 9½" high	9 No	1.00 Ea
S16	Desks, Writing:		
	a. Polished Cedar, 62" long, 24½" wide, 29½" high, with rounded edges and complete with 8 No drawers. Top inlaid with vinyl, fitted with metal drop handles. Condition fair	1 No	6.00 Ea

ANNEXE A—continued

Item No	Description	Qty	Value for Sale \$
	b. Polished Cedar, 49" long, 22" wide, 32" high, complete with 8 No drawers. Top inlaid with vinyl, fitted with metal drop handles. Condition fair	1 No	6.00 Ea
	c. Polished Cedar, 39" long, 22" wide, 13½" high, complete with 7 No drawers three on each side and one across the top. Condition fair	1 No	6.00 Ea
S18	Shaving Cabinets—Painted metal 15" wide, 20" high, 7" deep, complete with mirror and built in overhead light fitting	30 No	4.00 Ea
S20	Bookcase—Polished Cedar 78" high, 36" wide, 18" deep, in two sections. 2 No glass doors to top section. 2 No wooden doors to bottom section.	1 No	8.00 Ea

Measurements

Item No	Bannisters	Each	Brass Chrome Supports	Qty	Value for Sale
S21	1 No 11' long	} 3" x 2½"	3 No Ea 15" long	} 1 Set	\$20 Set
(2Q-3Q-4Q)	1 No 9' 3" long		3 No Ea 15" long		
	1 No 5' 1½" long		1 No 3' long		
	1 No 3' 11" long		1 No 3' long		
S22	(3P to 4P) 1 No 6' 10½" long	Each 3¼" x 3"	1 No 3' 3" long	1 Set	\$20 Set
S23	(2N to 3N) 1 No 4' 10½" long	} 3" x 2½"	1 No 3' long	} 1 Set	\$15 Set
	1 No 4' long		1 No 3' long		
	1 No 5' 1" long		1 No 3' long		
	1 No 4' 1" long		1 No 3' long		
S24	(2Q to F Deck) 1 No 5' 6" long	} 3" x 2½"	1 No 3' long	} 1 Set	\$15 Set
	1 No 2' 9" long		1 No 1' 3" long		
S25	(Stern Walk to Flight Deck) 1 No 4' 6" long	} 3¼" x 2½"	1 No 3' long	} 1 Set	\$27 Set
	1 No 3' 10" long		1 No 3' long		
	1 No 4' 8" long		1 No 3' long		
	1 No 1' 9" long		1 No 3' 4" long		
	1 No 1' 7" long		1 No 3' long		
	1 No 2' 8" long	} 3¼" x 2½"	NIL	} 1 Set	\$27 Set
	1 No 2' 9" long				
	1 No 2' 10" long				
LADDER WOOD (CEDAR)	4' 3" long, 1' 7" wide, 9" tread, 9" rise, complete with 4 No steps—two non-slip hard rubber strips set into each step.				

UNCLASSIFIED

394/74—Instructions for the Guidance of Ships' Postmen and Others Engaged on Mail Work in HMA Ships

1. The Interim Instructions for the Guidance of Ships' Postmen and Others Engaged on Mail Work in HMA Ships is being reviewed by the Postmaster-General's Department and it will be promulgated as an official book of reference.

2. In the meantime the Interim Instructions for the Guidance of Ships' Postmen and Others Engaged on Mail Work in HMA Ships is to be used, in conjunction with the Post Office Guide. ABR 5016 (R and I), Paragraph 5249, is to be disregarded and the publication will be amended.

(68/3/45)

Section 2

PERSONNEL

UNCLASSIFIED

395/74—Badges—Technical Branches, Grade 4 Level of Skill

1. Branch badges for sailors of the technical branches qualified to Grade 4 level of skill, are now available for issue.

2. The badges consist of the basic device of the branch, crown above, star and letter/s below. Details of stock numbers, descriptions, etc, are included in Annexe A to this order.

3. Demands for requirements are to be lodged with the Superintending Victualling Store Officer, Royal Edward Victualling Yard (Depot Code 0124).

4. A gratuitous issue of badges, in accordance with ABR 93, Part 11, Scale 10, is to be made to all entitled sailors who have not less than twelve months to serve or have indicated an intention to re-engage.

5. To ensure availability of badges for all entitled sailors, demands are to be restricted to requirements for initial gratuitous issues and additional badges to cover known future entitlements by qualification.

ANNEXE A

Technical Branch Badges for Warrant Officer and Chief Petty Officer Qualified to Grade 4 Skill Level—Basic Device, Crown Above, Star and Letter Below

<i>Class</i>	<i>Catalogue Number</i>	<i>Description</i>	<i>Unit of Issue</i>	<i>Acctg Classn</i>
8455	66-072-7708	BADGE, MARINE ENGINEERING BRANCH, MARINE TECHNICAL PROPULSION, embroidered Gold on Blue	PR	P
8455	66-072-7709	BADGE, MARINE ENGINEERING BRANCH, MARINE TECHNICAL PROPULSION, embroidered Red on Blue	PR	P

ANNEXE A—continued

<i>Class</i>	<i>Catalogue Number</i>	<i>Description</i>	<i>Unit of Issue</i>	<i>Acctg Classn</i>
8455	66-072-7710	BADGE, MARINE ENGINEERING BRANCH, MARINE TECHNICAL PROPULSION, woven Blue on White	EA	P
8455	66-072-7711	BADGE, MARINE ENGINEERING BRANCH, MARINE TECHNICAL PROPULSION, woven Red on Blue	EA	P
8455	66-072-7712	BADGE, MARINE ENGINEERING BRANCH, MARINE TECHNICAL HULL, embroidered Gold on Blue	PR	P
8455	66-072-7713	BADGE, MARINE ENGINEERING BRANCH, MARINE TECHNICAL HULL, embroidered Red on Blue	PR	P
8455	66-072-7714	BADGE, MARINE ENGINEERING BRANCH, MARINE TECHNICAL HULL, woven Blue on White	EA	P
8455	66-072-7715	BADGE, MARINE ENGINEERING BRANCH, MARINE TECHNICAL HULL, woven Red on Blue	EA	P
8455	60-072-7716	BADGE, MARINE ENGINEERING BRANCH, MARINE TECHNICAL POWER ELECTRICS, embroidered Gold on Blue	PR	P
8455	66-072-7717	BADGE, MARINE ENGINEERING BRANCH, MARINE TECHNICAL POWER ELECTRICS, embroidered Red on Blue	PR	P
8455	66-072-7718	BADGE, MARINE ENGINEERING BRANCH, MARINE TECHNICAL POWER ELECTRICS, woven Blue on White	EA	P
8455	66-072-7719	BADGE, MARINE ENGINEERING BRANCH, MARINE TECHNICAL POWER ELECTRICS, woven Red on Blue	EA	P
8455	66-072-7720	BADGE, WEAPONS ELECTRONIC ENGINEERING BRANCH, ELECTRONIC TECHNICAL WEAPONS, embroidered Gold on Blue	PR	P
8455	66-072-7721	BADGE, WEAPONS ELECTRONIC ENGINEERING BRANCH, ELECTRONIC TECHNICAL WEAPONS, embroidered Red on Blue	PR	P
8455	66-072-7722	BADGE, WEAPONS ELECTRONIC ENGINEERING BRANCH, ELECTRONIC TECHNICAL WEAPONS, woven Blue on White	EA	P

ANNEXE A—continued

Class	Catalogue Number	Description	Unit of Issue	Acctg Classn
8455	66-072-7723	BADGE, WEAPONS ELECTRONIC ENGINEERING BRANCH, ELECTRONIC TECHNICAL WEAPONS, woven Red on Blue	EA	P
8455	66-072-7724	BADGE, WEAPONS ELECTRONIC ENGINEERING BRANCH, ELECTRONIC TECHNICAL WEAPON SYSTEMS, embroidered Gold on Blue	PR	P
8455	66-072-7725	BADGE, WEAPONS ELECTRONIC ENGINEERING BRANCH, ELECTRONIC TECHNICAL WEAPON SYSTEMS, embroidered Red on Blue	PR	P
8455	66-072-7726	BADGE, WEAPONS ELECTRONIC ENGINEERING BRANCH, ELECTRONIC TECHNICAL WEAPON SYSTEMS, woven Blue on White	EA	P
8455	66-072-7727	BADGE, WEAPONS ELECTRONIC ENGINEERING BRANCH, ELECTRONIC TECHNICAL WEAPON SYSTEMS, woven Red on Blue	EA	P
8455	66-072-7728	BADGE, WEAPONS ELECTRONIC ENGINEERING BRANCH, ELECTRONIC TECHNICAL COMMUNICATIONS, embroidered Gold on Blue	PR	P
8455	66-072-7729	BADGE, WEAPONS, ELECTRONIC ENGINEERING BRANCH, ELECTRONIC TECHNICAL COMMUNICATIONS, embroidered Red on Blue	PR	P
8455	66-072-7730	BADGE, WEAPONS ELECTRONIC ENGINEERING BRANCH, ELECTRONIC TECHNICAL COMMUNICATIONS, woven Blue on White	EA	P
8455	66-072-7731	BADGE, WEAPONS ELECTRONIC ENGINEERING BRANCH, ELECTRONIC TECHNICAL COMMUNICATIONS, woven Red on Blue	EA	P
8455	66-072-7732	BADGE, AIR ENGINEERING BRANCH, AIR TECHNICAL AIR-CRAFT, embroidered Gold on Blue	PR	P
8455	66-072-7733	BADGE, AIR ENGINEERING BRANCH, AIR TECHNICAL AIR-CRAFT, embroidered Red on Blue	PR	P
8455	66-072-7734	BADGE, AIR ENGINEERING BRANCH, AIR TECHNICAL AIR-CRAFT, woven Blue on White	EA	P

ANNEXE A—continued

Class	Catalogue Number	Description	Unit of Issue	Acctg Classn
8455	66-072-7735	BADGE, AIR ENGINEERING BRANCH, AIR TECHNICAL AIR-CRAFT, woven Red on Blue	EA	P
8455	66-072-7736	BADGE, AIR ENGINEERING BRANCH, AIR TECHNICAL WEAPONS, embroidered Gold on Blue	PR	P
8455	66-072-7737	BADGE, AIR ENGINEERING BRANCH, AIR TECHNICAL WEAPONS, embroidered Red on Blue	PR	P
8455	66-072-7738	BADGE, AIR ENGINEERING BRANCH, AIR TECHNICAL WEAPONS, woven Blue on White	EA	P
8455	66-072-7739	BADGE, AIR ENGINEERING BRANCH, AIR TECHNICAL WEAPONS, woven Red on Blue	EA	P
8455	66-072-7740	BADGE, AIR ENGINEERING BRANCH, AIR TECHNICAL COMMUNICATIONS, embroidered Gold on Blue	PR	P
8455	66-072-7741	BADGE, AIR ENGINEERING BRANCH, AIR TECHNICAL COMMUNICATIONS, embroidered Red on Blue	PR	P
8455	66-072-7742	BADGE, AIR ENGINEERING BRANCH, AIR TECHNICAL COMMUNICATIONS, woven Blue on White	EA	P
8455	66-072-7743	BADGE, AIR ENGINEERING BRANCH, AIR TECHNICAL COMMUNICATIONS, woven Red on Blue	EA	P

(1/8455/55)

UNCLASSIFIED

396/74—Condition of Service of RMIT (SLEN) Students

Courses

1. Selected personnel will be given full time training at the Royal Melbourne Institute of Technology (RMIT) to Associateship Diploma level in one of the following courses:

Aeronautical Engineering
 Electrical Engineering
 Electronics Engineering
 Communications Engineering
 Mechanical Engineering.

2. These Associateship Diplomas are currently an acceptable qualification for membership of the Institution of Engineers, Australia, but will cease to be acceptable from 30 June 1980.

3. RMIT Associateship Diploma courses are full time courses of three years duration for matriculants or four years for applicants with Victorian Leaving Certificate. The four year courses will not be undertaken by RAN diploma students.

4. Diploma students who achieve outstanding results during their first two years of diploma training may be permitted to transfer to equivalent RMIT degree courses where available, conditional on the trainees agreement to transfer to the General List on completion of the degree course.

Academic Pre-requisites

5. RAN personnel selected for diploma training must meet the prescribed academic pre-requisites which permit exemption from the preliminary year of the four year RMIT Associateship Diploma courses in Engineering. Exemptions will normally be granted for passes in the Higher School Certificate (or its equivalent) in English, Physics, Chemistry, and a Mathematics subject. Exemption may also be granted to those who have passed an appropriate Engineering Certificate course or the first year of an appropriate diploma course in any State.

Sources of Entry

6. Students will be selected from:

- officers who fail Engineering Degree courses, and are considered to have diploma potential;
- seaman officers who are studying for a degree and whose eyesight deteriorates below seaman standard;
- officers from the RAN College HMAS CRESWELL course whose interests are technical and/or whose eyesight is below seaman standard (*Note 1*);
- officer candidates who have technical potential (*Note 2*).

Notes: 1. Officers selected from groups b. and c. will complete the current year of their previous course before being transferred to a diploma course.

2. Students in group d. will attend the next diploma course following their selection for promotion to commissioned rank.

Periods of Service

7. On selection, trainees from sources 6a., 6b. and 6c. will remain as General List Officers. Trainees selected from source 6d. will normally be granted seven years short service commissions on the Supplementary List on 1 January following successful completion of diploma training, or 1 March in the cases in which supplementary examinations are necessary.

Transfer to the General List

8. In exceptional cases, transfer to the General List may be considered on successful completion of diploma training. SLEN officers may subsequently apply for transfer to the General List, if offered. This transfer will be by selection and in accordance with the current rules.

Officer Candidates With Technical Potential

9. Details of the sailor avenue for promotion to the Engineering Branch of the Supplementary List are as follows:

- Terminology for Candidates—Officer Candidates (SLEN).* Short title OCSLEN. They will retain their rank for pay, promotion and disciplinary purposes.
- Criteria for RMIT Diploma Courses.*
 - Age Limit—to be over twenty years of age and under twenty-four years on 1 January of the year of commencement of diploma training;

(2) To possess the academic pre-requisites defined in Paragraph 5 of this order.

c. *Eligibility for Matriculation Preparatory Course.* OCSLEN are eligible to attend the eighteen months LEEUWIN Matriculation Preparatory Course in order to achieve the required RMIT educational pre-requisites, subject to the following criteria:

- Age Limits—to be over eighteen years of age and under twenty-two years of age on 1 January of the year of commencement of the matriculation preparatory course;
- Minimum Educational Pre-requisites—academic Level 7 (four SGCE/HET/LET passes or exemptions including English and a Mathematics subject);
- OC Papers—to have current CW papers as OCSLEN, ie, to have been nominated for and passed an Initial Selection Board as an OCSLEN;
- Selection—to be selected by the Preparatory Course Selection Committee to attend the matriculation preparatory course;
- Re-engagement Provisions—as detailed in RI Article 0824.

d. *Selection for Diploma Course.* OCSLEN attending the matriculation course will appear before the RANC Selection Board and may be provisionally selected subject to achieving suitable matriculation results. OCSLEN who already possess the academic and other pre-requisites will appear before the RANC Selection Board. As RMIT nominations close in October, those OCSLEN who are under consideration for diploma training will be nominated provisionally for RMIT entry, their nominations being confirmed or cancelled when Selection Board results are known.

e. *Posting for Training.* OCSLEN will normally be posted for academic training as follows:

- General Service Sailors—at least twelve months after completion of category course.
- Ex-NIRIMBA Sailors—at least twelve months after completion of apprenticeship, which is defined as four years from initial entry and completion of task books.

f. *Cancellation of Candidature.* Candidature of OCSLEN will be cancelled or transferred to another avenue of promotion by Department of Defence (Navy Office) on attaining the age of twenty-four or on the recommendation of the final Selection Board, whichever is earlier.

g. *Promotion.* Officer candidates will not be promoted, nor will they be eligible to sit for sailor Promotion Boards or Service Technical Examinations whilst undergoing tertiary training at RMIT. Promotion to the Supplementary List of Officers will be as follows:

(1) Promotion to SBLT requires successful completion of the RMIT course and recommendation of the Commanding Officer, HMAS LONSDALE.

(2) The promotion pattern will be:

to SBLT SLEN — 1 January in the year following graduation from RMIT where supplementary examinations are not required.

— 1 March of the same year where supplementary examinations are required.

to LEUT SLEN — two years seniority as SBLT for students completing a three year course at RMIT.

— one years seniority as SBLT for students completing a four year course at RMIT

and

be in possession of MEQ (for ME officers), Electrical Certificate of Competence (for WE officers) or Air Engineers Certificate of Competence (for AE officers).

to LCDR SLEN — on gaining eight years seniority as LEUT SLEN.

h. *Pay.* Sailors promoted on graduation at RMIT will be paid the officers common scale rate.

i. *Dress.* Officer candidates will wear the dress for rank held at time of selection. Additionally, they will wear on all occasions when uniform dress is prescribed:

(1) a white cap band or tally; and

(2) white rectangles 50 mm (2 inches) by 25 mm (1 inch), on each shoulder.

Pre-diploma Training

10. The period between confirmation of matriculation results and the commencement of diploma training will be used to conduct a Mathematics bridging course at HMAS CERBERUS.

Leave and Vacation Training

11. Students will be awarded five weeks leave per year, which should normally be taken during RMIT vacations (two weeks mid-year and three weeks at Christmas). Students will undergo vocational training, as directed by Department of Defence (Navy Office) during the remainder of the Christmas vacation. The balance of the RMIT non-study periods is to be spent consolidating academic training as directed by the Commanding Officer, HMAS LONSDALE.

Post-graduate Training

12. a. General List Graduates will undertake the Divisional Officers Course at HMAS CERBERUS, followed by the Junior Officers' NBCD Course. They will then be posted to Fleet Units for the employment and on-the-job training scheme current for GLEN University Graduates. They may be posted for Application Training in accordance with this scheme.

b. Supplementary List Graduates will undertake the New Entry Officers Orientation Course, and the Divisional Officers Course, both at HMAS CERBERUS. This period will also be used for kitting up. Officers will then be posted to suitable ships and establishments to gain the experience and knowledge necessary for the award of technical certificates in accordance with Paragraph 9g. (2). Graduates will undergo the Junior Officers NBCD Course prior to posting to Fleet Units. Any continuation training considered necessary by the Graduates' Commanding Officer is to be arranged in accordance with ABR 27 Article 0502B

Administration

13. Course expenses to be met by the Department are paid by HMAS LONSDALE as directed by the Naval Board. Text books and instruments are provided on loan (Naval Financial Regulation 148). Students are administered by the Commanding Officer, HMAS LONSDALE.

RMIT Naval Supervisor

14. An officer is posted to HMAS LONSDALE as RMIT Naval Supervisor for Diploma Students. RMIT has also appointed a staff member as liaison officer for matters related to Naval students.

RMIT Study Board

15. An RMIT Study Board meets biannually to review half yearly results. The Study Board comprises:

Naval

Director-General of Training (Chairman)

Director of Naval Education Service

RMIT Naval Supervisor (and representing Commanding Officer, HMAS LONSDALE)

The Area Naval Psychologist.

RMIT

The Deputy Vice-Principal

The Liaison Officer

The Warden of Students

Heads of Departments.

Terms of Reference

16. The RMIT Study Board:

a. reviews at suitable times during the year the academic progress of students undergoing Engineering courses at RMIT;

b. makes recommendations to the Naval Board, through the Director-General of Training on:

(1) the progression of students from one academic year to the next;

(2) the granting of repeat years to deserving students;

(3) the need to re-assign or withdraw students from training;

c. keeps under review all facets of Naval student training at RMIT, and makes such recommendations as may lead to increased training efficiency and satisfactory RAN-RMIT relations.

Academic Failures

17. The Naval Board may approve a repeat year on the recommendations of the Study Board.

18. Should the Naval Board not approve a repeat year:

a. General List Officers may be transferred for training in another specialisation, or have their appointments terminated.

b. An OCSLEN will be withdrawn from training and posted to a billet in his existing rank. Provisional Petty Officers will be required to achieve the qualifications to have 'Provisional' removed within twelve months from date of withdrawal, or be reverted to Leading Seaman. They may apply for promotion to Officer, in another specialisation, in accordance with current regulations.

Officer Training Failures

19. The Commanding Officer, HMAS LONSDALE, may recommend that a student be withdrawn from training for reasons other than lack of academic progress. Should this recommendation be approved by the Naval Board, the student will be treated as in Paragraph 18, above.

UNCLASSIFIED

397/74—Diving Suitability Tests for Ships Diver Candidates

1. Before making application to place personnel on a Ships Diver Course all ships and establishments are to ensure that candidates undergo the medical examination and suitability test outlined in Paragraphs 3 and 4 below. These must be conducted within six months of commencement of course and confirmation of compliance with this Navy Order is required when applications for course are forwarded to the Diving School, HMAS PENGUIN.

2. To ensure the suitability tests are, as far as possible, of a uniform standard they should normally be conducted by an officer or sailor qualified to supervise Clearance Diving Operations. In circumstances where such personnel are not available the test may be conducted by an officer qualified as a Ships Diving Officer.

3. a. As a pre-requisite to the suitability test the candidate must be examined by a Medical Officer as laid down in ABR 1991, Articles 0720 and 0721.
- b. Furthermore, to ensure that a candidate has a satisfactory dental fitness standard for diving, he is to be referred to a Dental Officer for examination.
- c. If a recompression chamber is available, the candidate should then undertake a chamber dive to 60 feet; if facilities for the chamber dive are not available the test may proceed without it.

4. The test is to be conducted as follows:

- a. the candidate is to swim 200 yards on the surface unassisted by any swimming aid or artificial buoyancy;
- b. the candidate dressed in a wet suit and fins but without diving equipment is to jump into the water from a height of 15-20 feet;
- c. the supervisor is to familiarise the candidate with the diving equipment and brief him on what to expect underwater;
- d. the candidate in wet suit, fins, facemask and SSBA is to enter the water and be positioned with his head just submerged. He is to retain this position for approximately five minutes, familiarising himself with breathing underwater;
- e. the candidate is then to exercise clearing a flooded facemask whilst just submerged until it is done to the satisfaction of the supervisor; and
- f. the candidate, accompanied by a qualified diver, is then to descend to 20 feet to a shot or to the bottom, and remain at that depth for 15 minutes during which time he is to swim at least 25 yards.

5. On passing the suitability test the candidate is to be provided with a copy of the life line signals which he should be encouraged to study before commencing course.

6. Navy Orders 496/71 and 193/72 are hereby cancelled.

(311/4/253)

(Navy Orders 496/71 and 193/72)

UNCLASSIFIED

398/74—Passage Instructions—Overseas Travel From Australia

1. In the past, passage instructions for members and their families travelling overseas were forwarded to members by the Director, Movements Division, and, in addition, copies of the instructions were sent to all interested authorities at home and abroad.

2. To streamline procedures and in the interests of economy, in future, the member and authorities concerned with his movement will be advised only of the details of the passages arranged and the airline/shipping office from which tickets are to be collected. The following paragraphs constitute passage instructions and Commanding Officers and Personnel Officers (as appropriate) are to ensure that a member posted overseas studies this Navy Order during his preliminary post-out routine.

Passports

3. The member and each member of his family over the age of sixteen years is required to have a current passport. Children under the age of sixteen years are normally included on their mother's passport.

4. Passports can be obtained through the Department of Labor and Immigration. Local offices are listed in telephone directories in the Australian Government Section.

5. Two recent photographs are required when applying for a new passport.

6. RI Article 1734 contains further details concerning passports.

Visas

7. When passports are issued, holders are supplied by the Department of Labor and Immigration with a list showing countries which do not require an Australian citizen to possess a visa for entry. Visas are required to enter the countries not listed and they must be obtained from the consular representatives of the countries concerned prior to departure. Airlines and shipping companies require the appropriate visas to be presented before they will issue tickets.

Medical

8. For travel to most overseas areas, vaccination against smallpox and cholera only is required. Service Medical Officers will advise members concerning vaccination and inoculation requirements for service overseas.

9. Service Medical Officers are authorised to vaccinate the wives and children of members who will accompany them overseas.

10. Service personnel are required to be medically and dentally examined for service abroad.

11. NPI Articles 1751, 1781 and 1782 give information regarding the arrangements for the medical and dental examination of dependants and the assistance available for their medical and dental treatment whilst overseas.

Expectant Mothers

12. Expectant mothers are not normally permitted to travel by air if they are less than four weeks from the expected date of confinement. When family passages have been approved and the wife is an expectant mother, a doctor's certificate is to be forwarded to the Director, Movements Division. The certificate is to give the expected date of confinement and is to state that the mother is fit to travel and that the pregnancy is normal. A further certificate is to be lodged with the airline within forty-eight hours of the date of travel.

Application for Family Passages

13. If not already forwarded, an application for a family passage, in accordance with NPI Article 1605, is to be dispatched.

Removals

14. When family passages are approved, an application for removal is required in accordance with NPI Article 1612.

Dress

15. Service personnel are to wear civilian clothes throughout the journey to and from the overseas destination.

Baggage

16. NPI Articles 1607 and 1608 set out baggage entitlements. Baggage entitlements vary according to the type of overseas duty (short, intermediate or long-term).

17. Briefly, the entitlement to move baggage by air is:

a. *airline free accompanied air baggage allowance:*

(1) 1st Class—30 Kilos;

(2) Economy Class—20 Kilos;

there is no free air baggage allowance for children under two years;

b. *excess baggage allowance:*

(1) single and married unaccompanied personnel on intermediate or long-term duty—10 Kilos of unaccompanied air freight plus a further 10 Kilos of unaccompanied air freight if undertaking courses in North America;

(2) married accompanied personnel on long-term duty:

(a) 1st Class—16 Kilos for himself and each member of his family;

(b) Economy Class—26 Kilos for himself and each member of his family over two years and 16 Kilos for each child under two years.

18. A married accompanied member may elect to send all or part of his excess baggage entitlement as unaccompanied air freight provided the cost does not exceed the departmental liability for accompanied baggage for the same journey. In effect, this means that about three times as much unaccompanied air freight can be sent overseas as would accompany the passengers on a flight to a North American destination. In the case of members posted to the United Kingdom, the unaccompanied baggage entitlement is about four times as great as the accompanied baggage allowance.

19. Unaccompanied air freight rates vary considerably over different routes so it is advisable to consult the airline if it is intended to send unaccompanied air freight. Generally speaking airlines require passengers to consign unaccompanied air freight in advance of the passenger's departure.

20. Sea freight opportunities are infrequent and members proceeding on long-term duty overseas are advised to make the maximum use of unaccompanied air freight to enable them to set-up house on arrival at their overseas port.

21. The entitlement to sea freight is set out in NPI Article 1607 and 1608.3.

Accommodation Overseas

22. The ship or establishment in which the member is serving prior to his departure is to advise ANRUK, ANA Washington, or other appropriate authorities of the member's accommodation requirements on his arrival overseas.

Issue of Warrants and Tickets

23. Travel Warrants (Form PB108) for overseas travel are issued to airlines and shipping companies by the Director, Movements Division.

24. Excess baggage warrants are to be issued by the member's ship or establishment.

25. In most instances, air tickets will be available for collection, fourteen days prior to departure, from the airline office notified to members by the Director, Movements Division (see Paragraph 2 above). When collecting tickets, members are to produce:

a. passports;

b. visas;

c. International Certification of Vaccination; and

d. excess baggage warrant.

The above documents must cover all members of the family in the case of personnel travelling married/accompanied.

Possible Changes and Flight Programs

26. Personnel should contact airlines twenty-four hours prior to scheduled departure time to confirm the flight program.

Inquiries

27. The above instructions are not comprehensive. They highlight common points of interest regarding the passages of members posted overseas. Members requiring information in amplification of the above or on matters not covered in this order should consult their Personnel Officers and/or the Personal Services Organisation nearest to them.

(187/51/310)

UNCLASSIFIED**399/74—Program of Educational Tests 1975**

The following will be the program of educational tests in the RAN during 1975:

Services General Certificate of Education (SGCE)

a. *Series 1/75—April 1975*

		Forenoon	Afternoon
Monday 7 April	..	English Expression	English Literature
Tuesday 8 April	..	Mathematics I/Mod Mathematics I	Social Studies
Wednesday 9 April	..	Mathematics II/Mod Mathematics II	Modern History
Thursday 10 April	..	Physics	Geography
Friday 11 April	..	Economics	
Monday 14 April	..	Navigation	Asian History

b. *Series 2/75—October 1975*

Monday 13 October	..	English Expression	English Literature
Tuesday 14 October	..	Mathematics I/Mod Mathematics I	Modern History
Wednesday 15 October	..	Mod Mathematics 2/ Mathematics 2	Geography
Thursday 16 October	..	Physics	Chemistry
Friday 17 October	..	Economics	
Monday 20 October	..	Navigation	Asian History
Tuesday 21 October	..	Social Studies	

c. *LEEUWIN Educational Test (LET)*:

Series 1: Tuesday 4 March-Tuesday 11 March

Series 2: Monday 19 May-Monday 26 May

Series 4: Monday 1 September-Monday 8 September

Series 4: Monday 7 November-Monday 14 November.

(325/1/25)

UNCLASSIFIED

400/74—United States Naval Institute—RAN Membership

1. The United States Naval Institute is a private professional society for all who are interested in naval and maritime affairs. It is self-supporting, non-profit-making, and publishes a monthly journal, 'Proceedings', which is free to members.

2. RAN personnel are eligible for membership of the USNI, annual subscription being US\$15.00.

Contributions to USNI Proceedings

3. The editorial board of Proceedings seeks contributions in the form of essays, comment on current maritime affairs, or notes on progress in naval matters. An honorarium is paid to authors of published material, and intending contributors need not be proficient authors, as the editors of Proceedings will assist in developing articles into publishable form. Proceedings has a readership of some 250,000 in seventy-eight countries.

Address

4. The address of the USNI is:

US Naval Institute
Annapolis
Maryland 21402 USA.

Membership Awards to RAN College Graduates

5. Since 1972, the Board of Control of the US Naval Institute has awarded two memberships annually to graduates of the Royal Australian Naval College. The recipients are:

- the Dux of the CRESWELL Course; and
- the officer who gains first place in the subject 'War in the 20th Century'.

Note: If the CRESWELL Course Dux gains first place in 'War in the 20th Century' an award goes to the officer gaining second place in the subject.

(1605/3/117)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

401/74—AMF Type Accountments—Introduction Into RAN Service

- 1. Introduction** The purpose of this Navy Order is as follows:
 - to introduce AMF type accountments into RAN service;
 - to specify which of the currently used RAN accountments are to remain in service;
 - to withdraw obsolete accountments from service; and
 - to revise and consolidate allowances of all accountments.
- 2. Description** Accountments are to be accounted for as described in Annexe A to this Navy Order.
- 3. Issue Procedure** AMF type accountments will be supplied without demand to all ships and establishments concerned as stocks become available. Other items are to be demanded from the appropriate supply depot (shown in Annexe A) as necessary to complete allowances.
- 4. Withdrawal of Obsolete Items** Annexe B details items which are now obsolete and should be returned to the nearest RAN Armament and Weapon Equipment Depot for disposal action. Anklets, Web (all sizes), however, will be retained in service for Sea Cadet training only.
- 5. Publications** Warrants of Naval Armament Stores will be amended in due course.

ANNEXE A

401/74

Class	Catalogue Number	Description	Unit of Issue	Acctg Classn	Note	Rifle L2A1	Rifle L1A1	Pistol L9A1	SMG F1	Rifle .22"	Supply Depot Code
8465	99-962-2015	SWORD, Naval Patt 1889 28" Assy ..	EA	P	(a)	—	—	—	—	—	0124
		OR									
8465	99-962-2019	SWORD, Naval Patt 1900 28" Assy ..	EA	P	(a)	—	—	—	—	—	0124
8465	99-962-2016	SCABBARD SWORD Patt 1889 Assy ..	EA	P	(a)	—	—	—	—	—	0124
		OR									
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)	—	—	—	—	—	0124
1095	66-025-1781	HOLSTER PISTOL 9MM Browning ..	EA	C	—	—	—	1	—	—	0035
8465	66-013-7556	FIELD PACK WEBBING Large Patt 1937	EA	C	—	1	1	1	1	—	0124
8465	66-013-7545	SUSPENDER FIELD PACK Left Patt 1937	EA	C	—	1	1	1	1	—	0124
8465	66-013-7547	SUSPENDER FIELD PACK Right Patt 1937	EA	C	—	1	1	1	1	—	0124
8465	66-034-4051	SUSPENDER FIELD PACK 'H' Back Type	EA	C	—	1	1	1	1	—	0124
8465	99-973-7508	STRAP SUPPORTING PACK Patt 1937	EA	C	—	2	2	2	2	—	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	00-577-4921	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	—	—	—	—	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	00-242-7843	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	66-014-8756	CARRIER SCABBARD BAYONET ..	EA	C	—	—	2	—	—	—	0124
8465	66-010-9512	ROPE ASSEMBLY GENERAL PURPOSE	EA	C	—	1	2	1	—	—	0124
1005	66-100-2008	SLING RIFLE WEB 46" L1A1 ..	EA	C	(b)(d)	—	2	—	—	—	0035
1005	66-030-7857	SLING SMALL ARMS 59" ..	EA	C	—	1	—	—	1	—	0035

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ANNEXE A—continued

Class	Catalogue Number	Description	Unit of Issue	Acctg Classn	Note	Rifle L2A1	Rifle L1A1	Pistol L9A1	SMG F1	Rifle .22"	Supply Depot Code
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							
8465	66-049-8659	BELT INDIVIDUAL EQUIPMENT ..	EA	C	—	1	1	1	1	—	0124
8465	66-013-7648	BELT WEBBING EQUIPMENT Patt 1937 (all sizes)	EA	C	(f)	—	1	—	—	—	0124
8465	66-013-5077	CARRIER SCABBARD BAYONET Patt 1937	EA	C	(f)	—	1	—	—	—	0124
1095	99-973-6097	HOLSTER PISTOL Patt 1937 ..	EA	C	—	—	—	(h)	—	—	0035
8440	66-029-3389	GAITERS AMF type size 4 ..	EA	C	(f)	—	—	—	—	—	0124
8440	66-039-3390	GAITERS AMF type size 5 ..	EA	C	(e)(g)	—	1	—	—	—	0124

NOTES: (a) 1 No if COMAUDESRON is borne.

(b) Includes 1 No undyed for ceremonial purposes.

(c) Consumable Item.

(d) On receipt of undyed items from the Store Depot they are to be painted white with 0473/L58382 or 0473/L58384 (quart and gallon respectively) 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) 1 EA per Pay Escorts.

(i) A Lanyard (8465-99-961-9512) and an Ammunition Pouch (8465-99-973-6113) are supplied with each Pistol L9A1.

(P) Permanent Item.

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401/74

ANNEXE 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
249012	HAVERSACK, STRAP, SHOULDER, LEFT
249025	HAVERSACK, STRAP, SHOULDER, RIGHT
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
249066	COVER, BREECH, RIFLE, .303
249066	POUCHES, MAGAZINE, THOMPSON SMG
249066	ANKLETS, WEBB (all sizes)

Note: To be retained in service for Sea Cadet training only.

249128	POUCH, UTILITY, FRONT
249141	POUCH, UTILITY, REAR
249143	YOKE
24917615	FROG, BAYONET
24917613	FROG, BAYONET

(700/57/223)

UNCLASSIFIED

402/74—RAN DDGs—Gauges for Measurement of Fuel Oil Burner Sprayer Plate Wear

1. Sets of GO-NO GO gauges used to determine fuel oil burner sprayer plate orifice wear in RAN DDGs have been introduced into the RAN as general stores items.

2. The gauges are to be used during maintenance inspection of the flash up, full power and overload plates.

3. These gauges will be particularly useful when distillate is adopted as the standard fuel.

4. Details of the gauges are as follows:

Stock No	Description	Orifice Size
5220-66-080-6030	GAUGE, PLUG, PLAIN CYLINDRICAL MDB-8-603 ITEM A.DDG SPRAYER PLATE	9LL07-0.196
5220-66-080-6031	GAUGE, PLUG, PLAIN CYLINDRICAL MDB-8-603 ITEM B.DDG SPRAYER PLATE	14LL07-0.182
5220-66-080-6032	GAUGE, PLUG, PLAIN CYLINDRICAL MDB-8-603 ITEM C.DDG SPRAYER PLATE	35LL12-0.110

5. The allowance per ship is four each of each size, and requirements are to be demanded from SGSO, Sydney.

(5220/2/1)

UNCLASSIFIED

403/74—Scale of Allowances of Swords and Accessories for Ceremonial and Training Purposes—Officers

1. The scale of allowances of swords and accessories has been revised and the quantities to be held in ships and establishments are detailed in Annexe A.

2. Demands for any quantities required to complete allowances should be made to the Superintending Victualling Store Officer. Those ships and establishments holding swords and accessories in excess of the revised allowances are to return the surplus quantities at the first opportunity.

3. ABR 93, instructions and scales, will be amended accordingly.

ANNEXE A

Scale of Allowance of Swords and Accessories

Ship	Set	Establishment	Set
HMAS MELBOURNE ..	.. 17	HMAS ALBATROSS ..	.. 5
HMAS BRISBANE ..	.. 5	HMAS CAIRNS ..	.. 2
HMAS HOBART ..	.. 5	HMAS CERBERUS ..	.. 30
HMAS PERTH ..	.. 5	HMAS CRESWELL ..	.. 25
HMAS VAMPIRE ..	.. 5	HMAS ENCOUNTER ..	.. 6
HMAS VENDETTA ..	.. 5	HMAS HARMAN ..	.. 12
HMAS DERWENT ..	.. 4	HMAS HUON ..	.. 6
HMAS PARRAMATTA ..	.. 4	HMAS KUTTABUL ..	.. 20
HMAS STUART ..	.. 4	HMAS LEEUWIN ..	.. 14
HMAS SWAN ..	.. 4	HMAS LONSDALE ..	.. 13
HMAS TORRENS ..	.. 4	HMAS MELVILLE ..	.. 3
HMAS YARRA ..	.. 4	HMAS MORETON ..	.. 8
HMAS DIAMANTINA ..	.. 2	HMAS NIRIMBA ..	.. 9
HMAS DUCHESS ..	.. 5	HMAS PENGUIN ..	.. 5
HMAS FLINDERS ..	.. 2	HMAS PLATYPUS ..	.. 5
HMAS MORESBY ..	.. 2	HMAS TARANGAU ..	.. 7
HMAS STALWART ..	.. 5	HMAS WATERHEN ..	.. 5
HMAS SUPPLY ..	.. 5	HMAS WATSON ..	.. 12

(917/51/18)

UNCLASSIFIED

404/74—Spray Painting Outfits—Revised Allowances for HMA Ships and Establishments

1. Allowances of Spray Painting Equipment have been revised and the current outfits allowed to HMA ships other than MELBOURNE and STALWART, are to be returned to store at the first available opportunity. 4310-66-060-2018, COMPRESSOR, PORTABLE, RECIPROCATING, or 4310-66-060-2019, COMPRESSOR, PORTABLE, ROTARY, will continue to be issued as replacements for unserviceable units at present held by HMAS MELBOURNE and HMAS STALWART and establishments.

2. Details of the compressors currently in service, together with spray painting accessories, are detailed in Annexe A to this order. These compressors, being fitted with air reservoirs, may also be used for operating pneumatic tools and equipments. Consideration is being given to the introduction of abrasive blast cleaning equipment which can be operated from these compressors and further details will be promulgated at a later date.

3. HMA ships MELBOURNE and STALWART are allowed an increased quantity of accessories, as detailed in Annexe B, as these ships are fitted with LP air supply system. Other ships requiring the use of this equipment during periods alongside, are to signal their requirement to the Fleet Maintenance Party at HMAS KUTTABUL or HMAS LONSDALE as appropriate.

4. Revised allowances of Spray Painting Outfits and Compressors are as detailed in Annexe B.

5. Demands to complete to the revised allowance are to be raised on the appropriate Superintending Store Officer.

6. Care is to be taken, when using this equipment, to observe the safety precautions set down in ABR 19 (RAN Painting Manual), Article 3004.

ANNEXE A

Spray Painting Equipment

Class	Catalogue No	Description	UI	ACL	Allow
4310	66-060-2018	COMPRESSOR, RECIPROCATING POWER DRIVEN	EA	P	See Annexe B
		or			
4310	66-060-2019	COMPRESSOR, ROTARY, POWER DRIVEN	EA	P	See Annexe B

Accessories

4240	66-060-3441	RESPIRATOR, AIR FILTERING	EA	P	1
4720	66-060-2026	HOSE ASSY NON-METALLIC MATERIAL 3/8" x 30'	EA	C	2
4720	66-060-2027	HOSE ASSY NON-METALLIC (AIR) 1/2" x 30' (2EA Mask, 2EA Gun)	EA	C	4
4720	66-060-2028	HOSE ASSY NON-METALLIC 1/2" x 60' (main air supply)	EA	C	1
4720	66-060-2029	HOSE NON-METALLIC 1/2" x 10' (for Mask)	EA	C	2

ANNEX A—continued

Class	Catalogue No	Description	UI	ACL	Allow
4730	66-060-2022	AIR DRIER AND COOLER, PIPE LINE	EA	P	1
4730	66-060-2033	COCK DRAIN	EA	C	1
4940	66-060-2020	SPRAY GUN, PAINT	EA	C	1
4940	66-060-2023	SPRAY GUN, PAINT (AUTO)	EA	C	1
4940	66-060-2021	INSERT, CONTAINER	EA	C	2
4940	66-060-2036	NOZZLE, PAINT, SPRAY F5	EA	C	1
4940	66-060-2037	NOZZLE, PAINT, SPRAY F7	EA	C	1
4940	66-060-2038	NOZZLE, PAINT, SPRAY F18	EA	C	1
4940	66-060-2039	CONTROLLER, AIR FLOW	EA	C	1
4940	66-060-2032	BRUSH, FOR CLEANING SPRAY GUN	EA	C	1
4900	66-060-2031	TANK, PRESSURE-FEED	EA	C	1
4940	66-060-2030	CAP, PRESSURE ASSY	EA	C	1
5120	00-240-5328	WRENCH, ADJUSTABLE	EA	C	1
5120	66-060-3440	WRENCH, OPEN END, FIXED	EA	C	1
5310	66-060-2040	WASHER, FLAT	EA	N	1
5330	66-060-2034	GASKET	EA	N	1
5330	66-060-2035	GASKET	EA	N	1

ANNEXE B

Allowances of Spray Painting Outfits and Compressors

HMA Ships and Establishments	Spray Painting Outfit (per Annexe A)	Compressor
MELBOURNE	5 EA	1 EA
STALWART	6 EA	2 EA
RANTME	2 EA	1 EA
ALBATROSS	2 EA	1 EA
CERBERUS	2 EA	1 EA
CRESWELL	2 EA	1 EA
KUTTABUL	12 EA (8 EA for FMP)	6 EA (4 EA for FMP)
LEEWIN	2 EA	1 EA
LONSDALE	6 EA (4 EA for FMP)	3 EA (2 EA for FMP)
MELVILLE	2 EA	1 EA
MORETON	2 EA	1 EA
NIRIMBA	2 EA	1 EA
CAIRNS	2 EA	1 EA
PENGUIN	2 EA	1 EA
PLATYPUS	2 EA	1 EA
WATERHEN	6 EA (4 EA for CODOCK)	3 EA (2 EA for CODOCK)

(1/4310/119)

UNCLASSIFIED

405/74—Stores (Class 6630)—Introduction of Hydrometer for Testing Lifejacket Gas Cylinders

1. The purpose of this order is to introduce the Lifejacket Gas Cylinder Testing Hydrometer into the RAN. This hydrometer provides a simple and accurate means of assessing the state of charge of lifejacket gas cylinders on ships, where movement precludes the accurate use of beam or spring scales.

2. The hydrometer will be held on charge as:

Class	Catalogue No	Description	UI	ACL
6630	66-050-4913	HYDROMETER LIFEJACKET CYLINDER TESTING	EA	P

The hydrometer consists of a float, shaped so as to minimise the possibility of air bubbles being trapped under the hydrometer. An aluminium tube is fitted through the centre of the float, its lower end level with the bottom of the float. The tube is threaded at its lower end to accommodate the gas bottle under test, and the upper end is marked with scales to suit the different gas bottles used in the RAN lifejackets.

3. Approval has been given to the allowances detailed at Annexe A to this order.

4. Services should raise demands to complete to the allowances detailed in Annexe A, which will be satisfied as stocks become available.

Operating Instructions

5. a. Obtain a suitable vessel (a bucket or similar may be used) and fill it to within 60 to 100 mm from the top with clean, cold fresh water;
- b. screw the cylinder to be checked into hydrometer, and place the assembly in the water;
- c. allow the assembly to come to rest;
- d. if the cylinder is correctly charged, the hydrometer will float between the limits engraved on the hydrometer, for that particular cylinder;
- e. if the cylinder does not cause the hydrometer to float between these limits, it is to be returned to stores for testing and recharging as necessary;
- f. these instructions will be contained in the revised edition of ABR 1977, currently being prepared.

ANNEXE A**Allowances of 6630-66-050-4913 HYDROMETER LIFEJACKET CYLINDER TESTING**

HMA Ships	Quantity
MELBOURNE	3
SUPPLY	2
STALWART	2
PERTH	2
HOBART	2
BRISBANE	2
VAMPIRE	2
VENDETTA	2

ANNEXE A—continued

HMA Ships	Quantity
DUCHESS	2
YARRA	2
PARRAMATTA	2
STUART	2
DERWENT	2
SWAN	2
TORRENS	2
MORESBY	2
FLINDERS	2
DIAMANTINA	2
HMA Establishments	
ALBATROSS	1
NIRIMBA	1
CRESWELL	1
CERBERUS	1
PLATYPUS	1
WATERHEN	1
PENGUIN	1
CAIRNS	1
ENCOUNTER	1
HUON	1
LEEWIN	1
Dockyard	
GMGID (Sail Loft)	1

(1/4220/33)

Section 5**BOOKS, CORRESPONDENCE, FORMS AND STATIONERY**

UNCLASSIFIED

406/74—JSP (AS) 102—Manual of Service Writing

1. A discrepancy exists between the Instruction sheet of Amendment List 6 and the annexes which form Chapter 6 of that publication.

2. Amendment List 7 will contain a new Contents List that will list the annexes that are actually in the publication.

3. It is expected that Amendment List 7 will be issued by January 1975. In the Interim List 6 should be placed in the publication.

(465/61/228)

UNCLASSIFIED

407/74—Policy on Allowances of Publications**Technical, Supply and Administrative Publications**

Commissioned Ships and Establishments (Other than MCMVs, PBs, LCHs and Support Craft)

1. A mandatory minimum allowance, as decided by the responsible RAN Sponsor Authority (usually one copy of each applicable publication) must be held on board and maintained up to date.

2. Ships and establishments are not to reduce holdings below this minimum allowance without the recommendation of their Administrative Authority, and the subsequent approval of the responsible RAN Sponsor Authority for the publication.

3. Requests for additional quantities above the minimum allowance, or for additional titles may be approved subject to reasonable justification. These requests should be sent to the Executive Officer (Publications), Garden Island, on Forms SO150.

MCMVs, PBs, LCHs and Support Craft

4. A mandatory allowance will exist for these vessels and is not to be varied either up or down without the recommendation of the appropriate Administrative Authority and the approval of the responsible RAN Sponsor Authority.

Other Non-commissioned Establishments and Authorities

5. No mandatory allowance will exist. Publications should be requisitioned and held as required.

Non-technical, Catalogued Commercial Publications

All Ships, Establishments, Authorities, Etc

6. No mandatory allowance will exist; publications should be requisitioned and held as required.

Method by which Commissioned Ships and Establishments Obtain Approval to Delete Minimum Allowances

7. a. A submission is to be made to the appropriate Administrative Authority;
- b. the Administrative Authority should endorse their recommendation on the submission and onforward to the Executive Officer Publications, Garden Island;
- c. the Executive Officer Publications will seek the responsible RAN Sponsor Authority's decision, and on receipt of a reply will advise the Administrative Authority and ship/establishment accordingly;
- d. if the responsible Sponsor Authority approves the deletion of the minimum allowance, the publication is to be returned to the Navy Publications Store quoting the deletion approval on the relevant Return Note (Forms SX27 or SX23 as applicable) as the authority.

Return of Books Without Necessary Approval

8. These cases will be referred to the appropriate Administrative Authority for action as in Paragraph 7.

9. Some publications will be subject to special allowances and conditions. In these instances, the details will be promulgated by a special Navy Order.

(465/61/228)

AMENDMENTS

UNCLASSIFIED

408/74—Degreasing Agents—General Instructions and Precautions for Use

1. TRICHLORETHYLENE is the ICI trade name spelling of the degreasing agent, and it is technically incorrect to use it. TRICHLOROETHYLENE must be used in all official documents.

2. Navy Order 206/74 is to be amended as follows:

- a. *delete* all reference to Trichlorethylene and *insert* Trichloroethylene;
- b. **Paragraph 9, Lines 5 and 6, delete** 'BS 1133 Section 6 (1953), Clause 5C' and *insert* 'AS K106'.

(1/8010/12)

(Navy Order 206/74)

UNCLASSIFIED

409/74—General Stores—Internal Mechanical Cleaning of Boilers—Additional Allowances for DEs

Navy Order 27/74 is to be amended as follows:

- a. **Annexe A, Section B, Type DE, SWAN and TORRENS, line 2b, Column 10—insert** Part No 2501 in lieu of Part No 7290,
- b. **Annexe B, page 12, line 14—insert** Class 4940 in lieu of Class 5130.
- c. **Annexe B, page 12, line 17—insert** Part No 2501 in lieu of Part No 7290.

(501/54/529)

(Navy Order 27/74)

Navy Orders 458/71 to 533/71 are now over three years old and may be disposed of accordingly.

SECRET

UNCLASSIFIED

AMENDMENTS

UNCLASSIFIED

48774—Policy on Approval of Publications

48774—Proposing Agency—(Central, District, and Headquarters) The... (The text is mirrored and difficult to read due to the bleed-through from the reverse side of the page.)

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