

[LEGAL NOTICE NO. 92]

MARITIME TRANSPORT DECREE 2013
(DECREE NO. 20 OF 2013)

**Maritime (Ships Medical Requirements)
Regulations 2014**

IN exercise of the powers conferred upon me by section 240(1)(o) of the Maritime Transport Decree 2013, I hereby make these Regulations—

PART 1—PRELIMINARY

Short title and commencement

1. These Regulations may be cited as the Maritime (Ships Medical Requirements) Regulations 2014 and shall come into force on a date appointed by the Minister by notice in the *Gazette*.

Interpretations

2. In these Regulations, unless the context otherwise requires—

“competent person” means a person referred to in paragraphs 9.8 and 9.10 of Schedule 1;

“Decree” means the Maritime Transport Decree 2013;

“domestic voyages” means voyage, trade or operation of a ship within Fiji waters;

“Fiji waters” means all the waters in Fiji comprising of—

- (a) the territorial seas;
- (b) the archipelagic waters;
- (c) the inland waters; and
- (d) the exclusive economic zone;

“operator” means the owner or any organisation or person who has assumed responsibility for the operation of the ship;

“specified drug” means diazepam, morphine, nitrazepam or pentazocine;

“surveyor” means a person from the Authority who, or an organisation that, offers the services of surveying or inspecting ships and who are recognised as such by the Chief Executive Officer in accordance with the provisions of the Decree; and

“unlimited voyages” means a voyage, trade or operation of a ship beyond the Fiji waters.

Purpose

3. These Regulations—

- (a) stipulate the responsibilities of ship operators or owners, masters and crew with respect to medical stores required on board ships;
- (b) specify the requirements for first aid, medical stores supplies and associated equipment on board ships and includes requirements relating to inventories, labelling, packaging and expiry date control of medicines and medical equipment; and
- (c) specify the construction, location and marking of medical cabinets and first aid kits.

Application

4. These Regulations shall apply to all Fiji registered ships engaged in domestic voyage and unlimited voyage.

PART 2—REQUIREMENTS

General

5.—(1) To the extent that is reasonable, adequate medical supplies and appropriately competent persons must be available to treat injuries and diseases aboard ship, until a patient can be transferred to the care of a medical practitioner.

(2) The guidelines and the list in Schedules 1 and 2 on medical stores on board ships shall assist a ship operator in determining the medical supplies appropriate for any particular situation.

(3) A Ship Captain's Medical Guide shall contain information to assist ships' crew in diagnosing and treating sick or injured seafarers and such must be carried on board Fiji ships.

Duties of the operator

6.—(1) It is the responsibility of the operator of a ship to arrange for the provision of such medical supplies as are reasonably necessary to ensure that persons on board the ship have access to adequate first-aid.

(2) Pursuant to sub-regulation (1), "reasonably necessary" shall depend on the circumstances where the operator shall be required to take into consideration, amongst other factors, the following—

- (a) the number and sex of persons who will be on board ship at any particular time;
- (b) the type of ship and the particular health hazards of the cargoes being carried;
- (c) the length of the proposed voyage;
- (d) the facilities available for communication with shore-based advice; and
- (e) the distance the ship will be from medical facilities on shore and the capacity for evacuation of sick or injured persons in an emergency.

(3) The operator of a ship must also ensure that medical supplies are capable of being stored on board the ship in such a way that they are adequately protected from premature deterioration.

(4) Storage must be secure enough to prevent misuse, while ensuring that prompt access is available when required.

(5) The operator of a ship must ensure that the master and crew of the ship are provided with—

- (a) a list of medical supplies on the ship;
- (b) written instructions covering the obtaining of advice from qualified medical personnel; and
- (c) adequate training on the proper use of medical supplies.

(6) The operator of a ship must not send a ship to sea, or allow a ship to be taken to sea, unless the operator has met the requirements set out in sub-regulations (1) to (3).

(7) Any person who contravenes this regulation commits an offence and shall be liable upon conviction to a fine not exceeding \$5,000 or to a term of imprisonment not exceeding 2 years or, to both.

Duties of the master

7.—(1) It shall be the responsibility of the master of a ship to ensure that the medicines are not expired and that medical supplies are in working order and readily available for use.

(2) The master must also ensure that all members of the crew are aware of the operator's instructions on the proper use of medical supplies.

(3) The master of a ship must ensure that non-reusable medical supplies used, or otherwise becoming unserviceable, during a voyage are replaced at the earliest opportunity and if, for whatever reason, the master of a ship considers that the medical supplies provided on the ship are inadequate, he or she must take necessary steps to rectify the deficiency.

(4) The master of a ship must not take the ship to sea unless the master has met the requirements set out in sub-regulations (1) to (3).

(5) Any person who contravenes this regulation commits an offence and shall be liable upon conviction to a fine not exceeding \$2,000 or to a term of imprisonment not exceeding 3 months, or to both.

Duties of crew members

8.—(1) A person who is a member of the crew of a ship must comply with the operator's directions on the use of medical supplies.

(2) Any person who contravenes sub-regulation (1) commits an infringement offence and shall be liable to a fine not exceeding \$500.

(3) A person who is a member of the crew of a ship must report to a responsible officer any deficiency in medical supplies noticed by that person.

(4) Any person who contravenes sub-regulation (2) commits an infringement offence and shall be liable to a fine not exceeding \$200.

Control of certain drugs

9.—(1) The use of certain drugs on board ship must conform as far as practicable with relevant laws.

(2) The operator of a ship shall be responsible for ensuring that a Controlled Drug Register is provided on the ship.

(3) A person who dispenses a specified drug must record the particulars set out in sub-regulation (5) in the Controlled Drug Register.

(4) Any operator of a ship who contravenes sub-regulation (2) commits an infringement offence and shall be liable to a fine not exceeding \$500.

(5) A Controlled Drug Register must contain the following particulars—

- (a) full name of the person to whom the specified drug is administered;
- (b) reason for administering the specified drug;
- (c) date and time at which the specified drug was administered;
- (d) name and quantity of the specified drug administered; and
- (e) name and designation of the person who administered the specified drug.

(6) The master of a ship must ensure that any loss or theft of a specified drug is recorded in the Controlled Drug Register.

(7) Any master of a ship who contravenes sub-regulation (6) commits an infringement offence and shall be liable to a fine not exceeding \$500.

(8) If any loss or theft of a specified drug occurs or is detected while a ship is in port, the master of the ship must report the loss or theft of the specified drug immediately to the appropriate law enforcement agencies.

(9) Any master of a ship who contravenes sub-regulation (8) commits an infringement offence and shall be liable to a fine not exceeding \$500.

(10) If any loss or theft of a specified drug occurs or is detected while a ship is underway, the master of the ship must report the loss or theft of the specified drug to the appropriate law enforcement agency immediately after arrival of the ship in port.

(11) Any master of a ship who contravenes this regulation commits an infringement offence and shall be liable to a fine not exceeding \$500.

Made this 14th day of December 2014.

P. TIKODUADUA
Minister for Infrastructure and Transport

SCHEDULE 1

MEDICAL REQUIREMENTS FOR FIJI SHIPS ON DOMESTIC VOYAGE

1.0 General

- 1.1 This Schedule provides requirements for the first aid, medical stores and associated equipment on board Fiji Ships on domestic voyage and includes requirements relating to inventories, labelling, packaging and expiry date control of medicines and medical equipment, and the construction, location and marking of medical cabinets and first aid kits.
- 1.2 The objective of this Schedule is to specify the medical stores supplies necessary to treat minor medical conditions or injuries, or to temporarily stabilise a patient until transfer to medical assistance can be arranged.
- 1.3 Owners and operators must obtain medical advice from their consultant medical practitioners or pharmacists in specifying medical supplies for their ships, especially should they wish to add to the mandatory listings. The medical practitioners or pharmacists shall then issue a Certificate of Inspection of Medical Stores which must be valid for 12 months.
- 1.4 Medical Stores listed in Tables 3, 4 and 5 shall be inspected by a surveyor as part of any periodical survey.

2.0 Equipment and Supplies to be carried

- 2.1 All ships shall carry the medical equipment and stores supplies specified in Table 3, Table 4 and Table 5, as applicable to the ship, dependent on the use of ship and its operating area. Table 2 identifies the scales applicable to ship use and operational area.
- 2.2 The scales of medical equipment and stores supplies specified in Table 3 to Table 5 are those required for single incident events involving 1 or 2 persons, and are based on the assumption that medical assistance will be achieved within the time periods specified in Table 1.

Table 1—Medical Assistance

<i>Time period in which medical assistance can be obtained</i>	<i>Scale</i>
1 hour	Scale G
6 hours	Scale F
12 hours	Scales E and D

3.0 Carriage of Dangerous Goods

All ships carrying as cargo, or in shipboard use, any quantity of a hazardous or dangerous chemical or goods, as defined under the International Maritime Dangerous Goods (IMDG) Code, shall have available on board the appropriate additional first aid, medicinal antidotes and other additional treatments as specified by the manufacturer, supplier or other authorised body or publication, including the material safety data sheets relating to the hazardous chemical or goods.

4.0 Expiry Dates

- 4.1 Medical supplies carried in accordance with this standard shall not exceed the expiry date specified by the manufacturer or supplier of the product.
- 4.2 All medicines have an expiry date. Expired or surplus medications must be returned to a registered pharmacist for appropriate disposal.
- 4.3 Unused controlled drugs shall not be disposed of other than by transferring them to the control of a registered pharmacist.

5.0 Replacement of Stock

Antibiotics shall always be supplied in original packages or patient courses; however, other products such as analgesics and creams shall be considered adequate if an opened package contains at least 50% of the original quantity, and the remaining product is uncontaminated and unaffected by any expiry date as a result of any seal being broken.

6.0 Labelling and Packaging

- 6.1 Medication must be provided in original, sealed blister or foil packs where possible.
- 6.2 All products shall carry instructions and directions for use in English and clearly state the adult dose where applicable to enable safe and effective use of the medication for the intended purpose.
- 6.3 Children's doses, with weight or age criteria, can be shown if space permits on the label. It must be understood, however, that the medical inventories for ships are designed for adult passengers and crew. If a child requires treatment, then radio medical advice must be sought.
- 6.4 All medicines and, where necessary, first aid stock must carry cautionary and advisory labelling, as provided for in the Australia Pharmaceutical Formulary (APF – 22nd edition or the latest edition) to alert ships masters or patients as to issues of sedation or interaction with food or alcohol, etc. This ancillary labelling may be printed by the manufacturer on the packaging, included on a dispensing label, or by cautionary and advisory stickers.
- 6.5 The following details must be supplied on the label—
- (a) the expiry date and batch number;
 - (b) the generic or drug name (the brand name is optional unless repackaged);
 - (c) the strength or quantity as applicable;
 - (d) the instruction for use and adult dose or directions for safe and effective administration; and
 - (e) the supplying pharmacist's name, address and telephone number on Schedule 4 and higher medicines and substances.

7.0 Medical Logbook

All ships shall carry and record the use of all medicines, first aid and medical incidents in a Medical Logbook (to include the time, patient, condition and treatment) and record the stock movements for Controlled Drugs in a Controlled Drugs Register. This includes the supply, use, disposal, loss or theft of such controlled drugs.

8.0 First Aid Kit

- 8.1 All ships covered by Scales D, E and F shall carry at least one remote First Aid Kit as specified in Scale F. For ships covered by Scale G, either the Scale G or Scale F First Aid Kit shall be carried.
- 8.2 The first aid kit shall be located adjacent to the master's accommodation, or in the wheelhouse. In small partly open ships, the first aid kit shall be stored so as to protect it from incoming spray and the weather.
- 8.3 The first aid kit shall be stored in a weather-tight, portable case of a non-corrosive material of suitable strength and size to accommodate the first aid stores. The case must be fastened securely with quick-release closures.
- 8.4 The first aid kit case shall be labelled "FIRST AID" on the lid and at least 2 sides for quick identification. The storage location of the first aid kit shall be clearly identified with an appropriate sign or sticker.
- 8.5 The contents shall be listed with a brief instruction for use for each item listed, along with expiry dates and the last check date. The list shall be stowed within or adjacent to the first aid kit.
- 8.6 First aid kits shall be cleaned and checked every 3 months and shall be checked by surveyors during the semi-annual surveys.

9.0 Medical Cabinet

- 9.1 All ships covered by Scales D and E shall be provided with a medical cabinet of suitable size, design and construction for storing medical supplies.
- 9.2 The medical cabinet shall be located either—
 - (a) in a separate compartment adjacent to the hospital accommodation;
 - (b) where hospital accommodation is not provided, adjacent to the vessel officers' accommodation; or
 - (c) in a dry and cool space accessible to the master and a designated ship officer.
- 9.3 The medical cabinet shall be provided with—
 - (a) an outer door, fitted with an efficient lock;
 - (b) an inner cupboard, independently locked, for storing special drugs (noted in Scales by the symbols "*" or "#");
 - (c) a dispensing counter or table, with an impervious surface, which may be a shelf in the medical cabinet;

- (d) suitable storage space for medicines and measuring devices, which facilitate identification of various items; and
 - (e) illumination by electric light from inside or immediately outside the cabinet.
- 9.4 The medical cabinet shall be clearly identified on the outer door with an appropriate sign or sticker.
- 9.5 The contents of the medical cabinet shall be listed with a brief instruction for use for each item listed, along with expiry dates and the last check date. The list shall be stowed within or adjacent to the medical cabinet.
- 9.6 Each inner cupboard key carried on board must be kept in the custody of the master or the designated ship officer.
- 9.7 Medical cabinets shall be cleaned and checked every 3 months and shall be checked by surveyors during the semi-annual surveys.
- 9.8 Persons administering first aid must possess as a minimum, a current first aid qualification.
- 9.9 Persons administering first aid using Scale D and E must have the competency of an Advanced First Aid Certificate including, First Aid Oxygen therapy, Asthma management, splinting with vacuum and air splints, and manual resuscitation.
- 9.10 Persons administering the supplies in Scale E First Aid Kits and medical supplies must possess a current First Aid At Sea Certificate or, more preferably the Occupational level of First Aid Certificate, First Aid Oxygen therapy, Asthma management and the use of Air Splints.
- 9.11 Where a Defibrillator unit is carried, SAE Defibrillation training must be undertaken.

Table 2—Scales applicable to type of ship (ships use) and operational area

<i>Ships Use</i>	<i>Operational Area</i>	<i>Extra Specification</i>	<i>Scale and Table</i>
1. Passenger Ships			
	Near Coastal	Berthed passengers	Scale D – Table H.4 & Table H.5
		Unberthed	Scale D – Table H.4 & Table H.5
	Territorial Seas & Archipelagic waters	Berthed passengers	Scale E – Table H.4 & Table H.5
		Unberthed	Scale F – Table H.3
	Inshore waters	Berthed passengers	Scale F – Table H.3
		Unberthed	Scale G – Table H.3

<i>Ships Use</i>	<i>Operational Area</i>	<i>Extra Specification</i>	<i>Scale and Table</i>
	Sheltered waters	Berthed passengers	Scale F – Table H.3
		Unberthed	Scale G – Table H.3
2. Non Passenger			
	Near Coastal	Nil	Scale E – Table H.4 & Table H.5
	Territorial Seas & Archipelagic waters	Nil	Scale F – Table H.3
	Inshore waters	Nil	Scale G – Table H.3
	Sheltered waters	Nil	Scale G – Table H.3
3. Fishing Ships			
	Near Coastal	Nil	Scale E – Table H.4 & Table H.5
	Territorial Seas & Archipelagic waters	Nil	Scale F – Table H.3
	Inshore waters	Nil	Scale G – Table H.3
	Sheltered waters	Nil	Scale G – Table H.3

Table 3—Scale G and F First Aid Kits

<i>Description</i>	<i>Quantity</i>		<i>Notes</i>	<i>Comments</i>
	<i>Scale G</i>	<i>Scale F</i>		
Bandage, conforming 5 cm	1	2		secure dressing and support injured parts
Bandage, conforming 10 cm	1	2		secure dressing and support injured parts
Bandage, heavy crepe 7.5 cm	2	2		support bandage
Bandage, heavy crepe 10 cm	—	1		support bandage, wide
Bandage, triangular	4	4		slings
Dressing, combine 10 x 10 cm, sterile	3	3	†	bleeding control
Dressing, combine 10 x 20 cm, sterile	2	5	†	bleeding control, large

<i>Description</i>	<i>Quantity</i>		<i>Notes</i>	<i>Comments</i>
	<i>Scale G</i>	<i>Scale F</i>		
Dressing, non-adherent (10 x 10 cm or similar)	5	10	†	wound cover
Dressing, hydroactive (10 x 10 cm or similar)	1	2	†	blisters, burns and minor exudate wounds
Wound dressing, combination, large	2	3		major wounds
Wound dressing, combination, small	2	2		major wounds
Adhesive roll non-woven fabric 5 cm x 10 m	1	1		securing dressings
Dressings, elastic fabric strips	50	50		minor wound cover
Gauze swabs, sterile (single use pkt of 3)	3	9	†	cleansing/dressing wound
Eye pad, sterile	2	4	†	eye cover
Wound closure strips, wide, 6mm x 38 mm	1	3	†	securing wound sides
Tape surgical waterproof 2.5 cm x 5 m	1	1		secure dressing
Tape surgical waterproof 5 cm x 5 m	1	1		secure dressing
Towels, disposable, pkt of 2	2	3		
Plastic bag set (3 asst L, M and S)	1	2		amputated parts
Plastic bag	2	2		disposal of soiled dressings
Gloves, disposable, large	10	10		
Safety pins, stainless, assorted pkt of 12	1	1		

<i>Description</i>	<i>Quantity</i>		<i>Notes</i>	<i>Comments</i>
	<i>Scale G</i>	<i>Scale F</i>		
Blanket, emergency thermal	1	1		Hypothermia and shock
Ice pack, instant	1	1		
Resuscitation mask, disposable	1	1		
Resuscitation mask, pocket	—	1		
Splinter probes, sterile, disposable	5	10		
Splinter forceps, 12.5 cm	1	1		
Shears, stainless, 19 cm minimum	1	1		
Scalpel, disposable	0	2		
Splint malleable, universal	1	2		
Normal saline, sterile 30 ml polyamp	6	10	†	eye irrigation / wound cleaning
Povidone iodine swabs (single use)	10	20	†	antiseptic
Anaesthetic + antiseptic cream 30 g	1	1	†	
Hydrocortisone 1% cream 30 g	—	1	†	rashes and bites
Paracetamol 500 mg tabs or caps	24	2 x 24	†	mild pain relief
Paracetamol 500 mg / Codeine 8 mg	—	24	†	moderate pain relief
Ibuprofen 200 mg tablet	—	24	†	anti-inflammatory
Hyoscine hydrobromide 0.3 mg tablets	10	10	†	seasickness
Loperimide 2 mg tablets	16	16	†	diarrhoea

<i>Description</i>	<i>Quantity</i>		<i>Notes</i>	<i>Comments</i>
	<i>Scale G</i>	<i>Scale F</i>		
Loratadine HCl 10 mg or Fexofenadine HCl 120 mg tablets	—	10	†	antihistamine (non-sedating)
Antacid tablets	12	50	†	
CPR instruction chart or card	1	1		
Australian First Aid Book	1	1		
SAE Defibrillator (Laerdal First Aid unit or similar)	—	optional		Recommended for Class 1 ships
Stretcher for helicopter evacuation / ship board use	—	optional		Recommended for Class 1 ships
First Aid Oxygen Unit (Oxyport or equal)	—	optional		Recommended for Class 1 ships
Legend † = Expiry dated				

Table 4—Scale E and D Medication

<i>Description</i>	<i>Quantity</i>		<i>Notes</i>	<i>Comments</i>
	<i>Scale E</i>	<i>Scale D</i>		
Adrenaline 1-1000 1 ml ampoules	—	5	†	sudden allergic reaction
Antibiotic ointment 15 g or 20 g	1	1	*†	infected wound
Amoxicillin 500 mg caps	—	20	*†	oral antibiotic
Doxycycline 100 mg caps or tabs	—	21	*†	oral antibiotic
Benzyl penicillin 600 mg with WFI 2 ml	—	5	*†	antibiotic injection
Chloramphenicol Eye Ointment 4 g	1	1	*†	eye antibiotic
Glyceryl trinitrate 400 mcg spray	1	1	†	angina/ heart pain

<i>Description</i>	<i>Quantity</i>		<i>Notes</i>	<i>Comments</i>
	<i>Scale E</i>	<i>Scale D</i>		
Morphine 10 mg/ ml ampoules	—	5	*† #	severe pain only with medical advice
Naloxone 0.4 mg/ml minijet	—	5	*†	morphine antagonist
Paracetamol 500 mg/Codeine 30 mg tabs	20	20	*†	moderate-severe pain also cough suppression
Prochlorperazine 5 mg tablet	25	25	*†	nausea, giddiness
Prochlorperazine 25 mg suppositories	5	5	*†	vomiting, giddiness
Prochlorperazine 25 mg suppositories	—	10	*†	severe seasickness
Prednisolone 5 mg tablet	—	20	*†	only with medical advice
Salbutamol inhaler	1	1	†	asthma attack
Sodium chloride and glucose or dextrose compound, powder sachets, 4.9 g approx.	10	20	†	rehydration
<p>Legend † = Expiry dated * = Requires prescription # = Requires separate locked storage and recording in Controlled Drug Register</p>				

Table 5—Scale E and D Medical Equipment

<i>Description</i>	<i>Quantity</i>		<i>Notes</i>	<i>Comments</i>
	<i>Scale E</i>	<i>Scale D</i>		
Scalpel, sterile, disposable	3	5		
Scissors, stainless, blunt/sharp 12.5 cm	—	1		
Splint set, vacuum or air inflation	1	1		
Neck collar, multi-size, rigid, fully adjustable	1	2		
Syringe with needle, sterile disposable 1 ml	—	5		
Syringe with needle, sterile, disposable 2 ml or 3 ml, 23 G or 25 G	—	5		
Isopropyl alcohol swabs	—	10		
BVM air resuscitator	1	1		
SAE Defibrillator (Laerdal First Aid unit or similar)	Optional	1		
Stretcher for helicopter evacuation / ship board use	Optional	1		
First Aid Oxygen Unit (Oxyport or equal)	Optional	1		
Ship Captain's Medical Guide, current edition	—	1		
Controlled Drug Register	—	1		

SCHEDULE 2

MEDICAL STORES CARRIED ON-BOARD FIJI SHIPS
ENGAGED IN UNLIMITED VOYAGE**1.0 General**

- 1.1 This Schedule provides guidance on the appropriate medical stores to be carried on ships engaged in unlimited voyages. The supplies and quantities are based on experience of the range of medical and surgical emergencies that can arise on board. However, they must be adjusted in accordance with the particular risks inherent on the voyage, the length of voyage, ports of call, the cargoes carried, and the persons on board.
- 1.2 Operators must obtain medical advice from their consultant medical practitioners or pharmacists in specifying medical stores for their ships, especially if they wish to differ from the suggested listings. They must provide the master of each ship with a written list of the medicines to be provided on board. In appropriate cases, other, or additional, medicines may be desirable.
- 1.3 Medicines in the attached tables are grouped according to purpose. Group 1 covers medicines for dealing with cardiovascular problems. In the rows below the shading, 'A', 'B', etc. refer to sub-groups; thus '1C' relates to medicines with a diuretic effect.
- 1.4 Some medicines fall into two groups. For instance, 'hyoscine hydrobromide' is both in group 4C, as a seasickness remedy, and group 3C, as an anti-spasmodic. Where this occurs, the latter group usually refers to the earlier group. The main exception to this is Group 15, where a large number of medicines are also listed in earlier groups. Quantities are specifically listed for all items in Group 15 (Poison Treatments and Antidotes), being the quantity required to be carried by the latest edition of the IMO Medical First Aid Guide which must be carried on board ships. Where quantities are listed in Group 15 and another Group, e.g., '100' in Group 15 and '12' in Group 4, the amount that must be carried is the higher of the two, not the sum of both (e.g., 100, not 112).
- 1.5 Except for Group 15 (see below), the quantity specified in the column headed "Category A" is a suggested quantity for a ship on unlimited voyages, and assumes that supplies can be restocked if necessary from acceptable sources at way-ports without problems. The quantity must be sufficient for a crew of about 20 people. If the voyage is to be lengthy, without a satisfactory opportunity of replenishing supplies from reputable sources, some quantities may need to be increased. For larger crews, an increase in quantity may be desirable (an extra quarter or half quantity is suggested for each extra 5 or 10 crew).
- 1.6 For Group 15 (Poison Treatments and Antidotes), the Category A quantity is for ships where casualties cannot, or may not, be able to be hospitalised on shore within 24 hours.

2.0 Provision of Medical Stores

- 2.1 All ships engaged on unlimited voyages shall carry the medical equipment and stores specified in Table 6, and it is the responsibility of the operator of a ship to ensure that the provision of such medical stores are provided on board the ship as is necessary.

3.0 Expiry Dates

- 3.1 Medicines carried in accordance with this standard shall not exceed the expiry date specified by the manufacturer or supplier of the product.
- 3.2 Surgical stores and appliances must be in working order and readily available for use.
- 3.3 Non-reusable medical stores used or otherwise becoming unserviceable, during a voyage must be replaced at the earliest opportunity.
- 3.4 Expired or surplus medications must be returned to a registered pharmacist for appropriate disposal.
- 3.5 Unused controlled drugs shall not be disposed of other than by transferring them to the control of a registered pharmacist.

4.0 Storage of medical supplies

4.1 General

- 4.1.1 Drugs and other medicines must be stored in a cool place, below 25°C if possible, but no such item must be frozen.
- 4.1.2 Storage must be secure enough to prevent misuse, while ensuring that prompt access to them is available when they are required. The nature of some medicines requires special care to be taken in their storage and security.

4.2 Medical Cabinet

- 4.2.1 The medical supplies provided in a ship must be kept in a medical cabinet of a suitable size, design and construction. It must be provided with the following—
- (a) an outer door, fitted with an efficient lock;
 - (b) an inner cupboard, independently locked, for storing medical stores;
 - (c) a dispensing counter or table, with an impervious surface, which may be a shelf in the medical cabinet;
 - (d) suitable storage space for medicines and measuring devices, which facilitate identification of various items; and
 - (e) illumination by electric light from inside or immediately outside the cabinet.
- 4.2.2 The medical cabinet shall be located—
- (a) in a separate compartment adjacent to the hospital accommodation;

- (b) where hospital accommodation is not provided, adjacent to the vessel officers' accommodation; or
- (c) in a dry and cool space accessible to the master and a nominated crew member.

4.2.3 Medical supplies marked with the symbol “*” in the Schedule 2 must be stored in a locked inner cupboard of the medical cabinet. Each inner cupboard key carried on board must be kept in the custody of the master or designated ships officer.

4.2.4 Medical supplies marked with the symbol “§” in Schedule 2 must be kept in refrigerated storage between 2°C and 8°C.

5.0 Packaging and Labelling of medical supplies

5.1 Drugs, other medicines and disinfectants must be packed in containers conforming to the requirements of the laws of the State or country of manufacture.

5.2 Medication must be provided in original, sealed blister or foil packs where possible.

5.3 All products shall carry instructions and directions for use in English and clearly state the dose where applicable, to enable safe and effective use of the medication for the intended purpose.

5.4 A drug or medicine supplied in a country other than Fiji must comply with the equivalent labelling requirements of that country.

5.5 If a pharmacist supplies a drug or medicine, the use of which is not described in the Ship Captain's Medical Guide, the pharmacist must, unless already provided by the manufacturer, provide advisory and cautionary labels describing the substitute's safe and efficient use and warnings regarding side effects and adverse indications.

5.6 The following details must be supplied on the label—

- (a) the expiry date and batch number;
- (b) the generic or drug name (the brand name is optional unless repackaged);
- (c) the strength or quantity as applicable;
- (d) the instruction for use and adult dose or directions for safe and effective administration; and
- (e) the supplying pharmacist's name, address and telephone number on Schedule 4 and higher medicines and substances.

6.0 Publications

The following publications may assist operators in demonstrating compliance with paragraph 4.3;

- (a) Ship Captain's Medical Guide (published by HMSO, London) provides information to assist in diagnosing and treating the sick and injured, as well as general information regarding the obtaining of radio medical advice, and is strongly recommended; and

- (b) Medical First Aid Guide, for use in accidents involving dangerous goods (published by IMO) is required to be carried on ships carrying dangerous goods, and is contained in the Supplement to the IMDG Code, 2000 Edition.

7.0 Medicines for ships of Category A – Ships on unlimited voyage

7.1 Explanation of symbols—

* – must be stored in a locked inner cupboard of the medical cabinet.

§ – must be kept in refrigerated storage between 2°C and 8°C.

– must be stored in a locked inner cupboard of the medical cabinet. Special recording requirements apply.

† – for items so marked in column 4, the specified quantity is considered sufficient regardless of the number of persons on board.

- 7.2 Names in brackets refer to the same medicine. Medicine and dosage are given in the following format: Name of medicine, dosage/strength, type of supply (e.g., tablet, bottle & pack, unless included in name of medicine), or size. In the case of injections supplied in ampoules, the word ampoule is omitted and strengths are given as “total quantity per ampoule/size of ampoule”. If the quantity suggested of a particular drug is less than the manufacturer’s smallest pack, the smallest available pack must be used.

Table 6—Medical stores to be carried on ships engaged in unlimited voyages

1	2	3	4
<i>Ref. No.</i>	<i>Treatment and storage symbols</i>	<i>Recommended Medicine and Dosage Strength</i>	<i>Suggested quantity Category A</i>
1 Cardio vascular			
A	Cardio vascular restoratives Sympathomimetics		5†
1A	*	Adrenaline (Epinephrine) 1.0 mg/1 ml, injection	
B	Anti-angina preparations		2
1B		Glyceryl trinitrate 400 micrograms, spray, 200 metre dose aerosol	
C	Diuretics		20†
1C1	*	Frusamide 40 mg, tablet	
1C2	*	Frusamide 20 mg/2 ml, injection	

1	2	3	4
<i>Ref. No.</i>	<i>Treatment and storage symbols</i>	<i>Recommended Medicine and Dosage Strength</i>	<i>Suggested quantity Category A</i>
D	Anti-haemorrhagics (including uterotonics if there are women with potential for child bearing, working on board)		
1D1		Phytomenadione Paediatric 1 mg/0.5 ml, injection (Vitamin K1). <i>(Note: intended for use with newborn infants)</i>	1†
1D2	§*	Ergometrine Maleate 500 micrograms & Oxytocin 5 units, injection. <i>(additional quantity recommended if there are women with potential for child bearing working on board)</i>	5† 5†
E	Anti-hypertensive		
1E		Atenolol 50 mg, tablet, pack of 28.	1 pack
2	Gastro intestinal system		
A	Medicines for gastric and duodenal disorders		
	<i>Histamine H2 receptor anti-ulcer antagonists</i>		
2A1		Cimetidine 400 mg, tablet, pack of 60.	1 pack
	<i>Antacids</i>		
2A2		Proprietary antacid of choice, tablet, or corresponding quantity of powder or liquid.	500
	Anti-emetics		
2B1	*	Prochlorperazine 3 mg, buccal tablet	30 +
2B1		Prochlorperazine 5 mg, tablet	25 +
2B3		Promethazine 25 mg/1 ml, injection	10 +
2B4	*	Prochlorperazine 12.5 mg/1 ml, injection.	5 +
	Lubricant laxatives		
2C		Glycerol Suppository, 4 g.	12

1	2	3	4
<i>Ref. No.</i>	<i>Treatment and storage symbols</i>	<i>Recommended Medicine and Dosage Strength</i>	<i>Suggested quantity Category A</i>
D 2D1 2D2	Anti-diarrhoeals	Codeine Phosphate 30 mg, tablet, Loperamide 2 mg, capsules	60 24
E 2E	Intestinal anti-infective	trimethoprim 200 or 300 mg, tablet	20
F 2F	Haemorrhoid preparations	Proprietary preparation of choice, pack. <i>(Increase quantity if needed).</i>	1
3 A 3A1 3A1 3A2 3A3 3A3	Analgesics and Anti-spasmodics Analgesics, anti-pyretics & anti-inflammatory agents	Paracetamol 500 mg, tablet, pack of 100. Diclofenac 100 mg, suppository. Ibuprofen 200 mg or 400 mg, tablet, pack of 24, or Mefenamic acid 250 mg, capsules, pack of 20, or Naproxen 275 mg, tablet, pack of 12.	5 10 2 3 4
B 3B1 3B2 3B3	Powerful analgesics * # <i>Emergency antidote to Morphine)*</i>	Codeine Phosphate 30 mg, tablet. Morphine Sulfate 10 mg/1 ml, injection. Naloxone 0.4 mg/1 ml, injection. <i>Note: Naloxone is a Morphine antidote or antagonist, NOT an analgesic.</i>	see 2D1 10 5
C 3C	Anti-Spasmolytics	Hyoscine hydrobromide 0.3 mg, tablet.	100
4	Nervous system		

1	2	3	4
<i>Ref. No.</i>	<i>Treatment and storage symbols</i>	<i>Recommended Medicine and Dosage Strength</i>	<i>Suggested quantity Category A</i>
4A1	Tranquilizers, muscle relaxants #	Diazepam 10 mg/2 ml, injection (See also Group 15).	2 +
4A2	#	Diazepam 5 mg, tablet.	40 +
B	Major tranquilizers		
4B1		Chlorpromazine 25 mg/1 ml, injection.	10 +
4B2	*	Chlorpromazine 25 mg, tablet.	100 +
4B3	*	Benztrapine 2 mg, tablet.	100 +
		<i>(for concurrent therapy with chlorpromazine, to control side effects, on doctor's recommendation).</i>	
C	Seasickness remedies	Hyoscine hydrobromide 0.3 mg, tablet.	Use 3C
4C			
D	Anti-epileptics		
4D		Diazepam 10 mg, rectal.	5
E	Anti-depression		
4E	#	Amitriptyline 50 mg, tablet.	20
F	Anti- insomnia		
4F	#	Nitrazepam 5 mg, tablet.	25
5	Anti-allergics and Anti-anaphylactics		
A	H1 Anti-histamines		
5A	*	Loratadine 10 mg, tablet. <i>(Note: This anti-histamine can be used where patient sedation MUST be avoided or some alcohol has been consumed.)</i>	30†
B	Cortisones		
5B1	*Injectable	Hydrocortisone powder for injection 100 mg vial, each with 2 ml water for reconstitution. (use on medical advice only)	5
5B2	*Oral	Prednisolone, tablet, 5 mg. (use on medical advice only)	60

1	2	3	4
<i>Ref. No.</i>	<i>Treatment and storage symbols</i>	<i>Recommended Medicine and Dosage Strength</i>	<i>Suggested quantity Category A</i>
6 Respiratory System			
A	Bronchospasm preparations		
6A1	*	Salbutamol, 100 micrograms per metered dose, 200 dose inhaler.	2
6A2		Beclomethasone, 50 micrograms per metered dose, 200 dose inhaler.	2
B	Anti-cough		
6B1		Codeine Phosphate 30 mg, tablet.	Use 2D
6B2	*	Codeine Phosphate, linctus, 100 ml bottle.	6
C	Medicines for colds and sinusitis		
6C1		Paracetamol 500 mg, tablet.	Use 3A
6C2		Menthol & benzoin, inhalation, 50 ml	2
6C3		“Cold & Flu” tablets	120
7 Anti-infection			
A	Antibiotics		
7A1		Benzyl Penicillin 600 mg, injection, vial.	20
7A1a		Water for injection, to suit Benzyl Penicillin injection.	20
7A2		Ciprofloxacin 500 mg, tablet.	28
7A3		Ceftriaxone 1 g, injection, vial. <i>(To be diluted with Lignocaine injection, see 13B2.)</i> <i>(Note: for Category A ships which may be more than 48 hours from medical assistance)</i>	20
7A4	*	Erythromycin 250 mg, tablet	100
7A5	*	Doxycycline 100 mg, tablet <i>(General requirement for treatment of STDs. Additional product, if required, may be available from Group 14 (anti-malarial regime))</i>	21

1	2	3	4
<i>Ref. No.</i>	<i>Treatment and storage symbols</i>	<i>Recommended Medicine and Dosage Strength</i>	<i>Suggested quantity Category A</i>
B 7B	Anti-bacterial	Trimethoprim 200 mg or 300 mg, tablet.	40
7C	Urinary anti-infective	Trimethoprim 200 mg or 300 mg, tablet	Use 7B
7D	Anti-parasitics	Mebendazole 100 mg, tablet	6†
7E 7E 1 7E 2 7E 3	Intestinal anti-infectives * *	Metronidazole 0.5 g, suppository Metronidazole 400 mg, tablet. Tinidazole 500 mg, tablet.	20 42 24
F 7F1 7F2	Anti-tetanus vaccines and immunoglobulins §* §*	Tetanus Adsorbed Vaccine, injection, 0.5 ml Tetanus Immunoglobulin 250 units, injection.	5† 1†
8 Compounds promoting rehydration, caloric intake and plasma			
8		Sodium chloride and glucose or dextrose compound, powder sachets, 4.9 g. <i>Equivalent other formulations may be used.</i>	120
9 Skin medicines			
A 9A	Antiseptic solutions	Pre-diluted aqueous solution containing cetrimide and chlorhexidine, bottle, 100 ml, for individual use	24†
B 9B	Antibiotic ointments	Bacitracin Co., tube, 15 g <i>or proprietary brand of antibiotic ointment or cream</i>	3
C 9C1 9C2	Anti-inflammatory and analgesic ointments	Hydrocortisone 1% cream or ointment, tube, 30 g Calamine 15%, Lotion, non-oily, bottle, 200 ml.	2 2

1	2	3	4
<i>Ref. No.</i>	<i>Treatment and storage symbols</i>	<i>Recommended Medicine and Dosage Strength</i>	<i>Suggested quantity Category A</i>
D	Anti-fungal skin creams	Benzoic acid compound ointment 100 g (<i>synonym: Whitfields ointment</i>). Miconazole nitrate 2% vaginal cream 40 g (<i>Only if one or more persons on board is female. Increase quantity if four or more females are on board.</i>) Miconazole nitrate 100mg vaginal pessary, pack of 7 (<i>Only if one or more persons on board is female.</i>) Miconazole nitrate 2 % topical cream 30 g. (<i>Double quantity must be supplied if one or more persons on board is female.</i>)	1
9D1			
9D2			*
9D3			*
9D4	*		
Burn preparations			
9E	*	Silver sulfadiazine 1% and chlorhexidine digluconate 2% cream, sterile tube, 50 g.	4
Miscellaneous skin preparations			
9F1		Gamma benzene 1% <i>or</i> Pemethrin, 5% cream, 30 g	6
9F2		Gamma benzene <i>or</i> Pemethrin (hair application bottle, 100 ml.	2†
9F3		Petroleum jelly 50 g.	2
9F4		Potassium permanganate, crystals, 25 g	1†
9F5		Zinc oxide, ointment, 100 g.	1†
10	Eye medicines		
10A	Antibiotic eye ointment	Framycetin 0.5 % eye ointment, tube, 5 g.	5

1	2	3	4
<i>Ref. No.</i>	<i>Treatment and storage symbols</i>	<i>Recommended Medicine and Dosage Strength</i>	<i>Suggested quantity Category A</i>
10B	§	<p align="center">Antibiotic and anti-inflammatory eyedrops</p> Betamethasone sodium phosphate 0.1 % neomycin sulfate 0.5%, eyedrops, 5 ml Use on radiomedical advice only, and preferably after diagnosis by an eye specialist	2
10C	§*	<p align="center">Anaesthetic eyedrops</p> Amethocaine 0.5%, eye drops, (individual doses).	20†
10D		<p align="center">Glaucoma treatment</p> Pilocarpine 0.5%, eyedrops, 15 ml	1†
10E	§*	<p align="center">Detection of foreign bodies</p> Fluorescein 2% eye drops, disposable units.	20†
11	Ear medicines		
11A1		Antibiotic eardrops containing in each ml; neomycin 3 400 units, polymixin B sulfate 10 000 units, hydrocortisone 10 mg, in a 5 ml dropper bottle, <i>or</i>	1†
11A1	*	Cortisone ear drops (containing Framycetin 5 mg, Dexamethasone 0.5 mg, Gramicidin 0.05 mg/ml) 8 ml	3†
11A2		Aluminium acetate ear drops, with dropper, 15 ml	2
11B		<p align="center">Wax softener, lubricating</p> Arachis Oil, ear drops, with dropper, 15 ml	2
	Nasal decongestants		
11C		Ephedrine 0.5%, nasal drops, 15 ml	2†

1	2	3	4
Ref. No.	Treatment and storage symbols	Recommended Medicine and Dosage Strength	Suggested quantity Category A
12	Medicines for mouth and throat infections		
	Mouthwash, antiseptic		
12A		Chlorhexidine gluconate 0.2%, mouthwash, 300 ml	2
13	Local Anaesthetics		
	Local anaesthetics using freezing		
13A		Ethyl chloride, liquid spray, 100 ml.	1†
	Local anaesthetics given by subcutaneous injection		
13B2	*	Lignocaine 1%, injection, 2 ml. <i>Note: In addition to its use as an anaesthetic, Lignocaine is used as a diluent for Ceftriaxone, q.v.(see 7A3).</i>	25
	Dental anaesthetic and antiseptic mixtures		
13B2	(see 22 for other dental preparations)	Lignocaine 2%, gel, water miscible base, 15 g.	4
14	Anti-Malarials		
A	Prevention		
14A1	*Regime 1	Chloroquine 150 mg base (approx.), tablet <i>and</i>	500
14A2	*	Proguanil 100 mg, tablet.	1000
14A3	*Regime 2	Doxycycline 100 mg, tablet. <i>For prolonged visits to malarial areas, sufficient Doxycycline must be carried to allow administration of one tablet per adult per day for the period 2 days before to 14 days after potential exposure.</i>	420
14A4	Regime 3	Mefloquine 250 mg, tablet <i>(Note: for prolonged visits to malarial areas, sufficient Mefloquine must be carried to allow administration of one tablet per adult per week for the period 7 days before to 14 days after potential exposure.)</i>	120

1	2	3	4
<i>Ref. No.</i>	<i>Treatment and storage symbols</i>	<i>Recommended Medicine and Dosage Strength</i>	<i>Suggested quantity Category A</i>
	For prevention, alternate between regimes 1 and 2 on an alternate voyage basis (provided a <u>full course of treatment</u> of each regime is completed). Use Regime 3 if malaria is known to be resistant to Regimes 1 or 2.		
B 14B1	Treatment * Pyrimethamine (25 mg) & Sulfadoxine (500 mg), tablet (Note: Use only on medical advice) Quinine 300 mg, tablet.		12
14B2	Use Regime 3 above also for treatment		100
15	Poison treatments and Antidotes		
	<p>Note: Quantities specified against items in the following table are those listed in the IMDG Code, as amended. Where quantities are listed in Group 15 and in another group or groups, the amount that must be carried is the higher or highest of the individual quantities, not the sum of all quantities listed.</p> <p>With the revision of the Medical First Aid Guide (MFAG), contained in the Supplement to the IMDG Code, as amended, except for a few specific treatments there is no longer a set link between poison and antidote. The Group 15 medicines in italics are no longer contained in the Medical First Aid Guide, but are recommended as specific antidotes for the substances listed with the entry.</p> <p>Should the master consider that the nature or quantity of specific hazardous materials carried warrants the carriage of specific antidotes or treatments, not listed in Group 15, advice must be obtained from the Company's medical or pharmaceutical consultant, or a registered pharmacist.</p>		
	*	Amoxicillin 500 mg, capsule.	30
	*	<i>Amyl Nitrite Vitrella 0.3 ml.</i> Antidote for poisoning by cyanides, nitriles or hydrogen sulphide	96
	§*	Anaesthetic eye drops, <i>e.g.</i> Amethocaine 0.5%, eye drops, (individual use).	5

1	2	3	4
<i>Ref. No.</i>	<i>Treatment and storage symbols</i>	<i>Recommended Medicine and Dosage Strength</i>	<i>Suggested quantity Category A</i>
	*	Antibiotic eye ointment - Framycetin eye ointment.	5
		<i>Ascorbic Acid 500 mg/5 ml, injection.</i> Treatment for methaemoglobinaemia	5
	*	Atropine 1.2 mg/1 ml, injection.	15
		Beclomethasone, 50 micrograms per metered dose, 200 dose inhaler.	5
		Calcium Gluconate 2%, gel.	150 g
		Calcium Gluconate 1 g, tablet, effervescent	20
		Ceftriaxone 1 g, injection, plus 5 Lignocaine 1%, as diluent	5
		Charcoal, activated 300 mg, tablet.	200
		Diazepam 10 mg, rectal.	5
		Dimercaprol 100 mg /2 ml injection, <i>Antidote for poisoning by arsenic and mercury compounds</i>	10
		Erythromycin 250 mg, tablet	75
	*	Ethyl Alcohol 90%, solution, 500 ml	3
16	Vitamins		
16		Vitamin K1 (Phytomenadione) See Groups 1 & 15.	
17	Disinfectants and Antiseptics		
17	General Purpose Disinfectant/deodorant		18
		Solutions of alkylphenols in a saponaceous solvent or a quaternary ammonium compound, litres.	

1	2	3	4
Ref. No.	Treatment and storage symbols	Recommended Medicine and Dosage Strength	Suggested quantity Category A
17	Antiseptics	Solution of Chlorhexidine 0.05% & Cetrimide 0.5% in an aqueous vehicle.	Use 9
17		Hydrogen peroxide 6% (20 vol), solution, 100 ml.	2
17	Chlorine compound	<p>Calcium hypochlorite, high test, powder.</p> <p><i>Note 1: Do not store near metal objects, instruments, sinks, etc. Keep in sealed container until used.</i></p> <p><i>Note 2: Replace annually if not used.</i></p> <p><i>Note 3: Calcium hypochlorite is an oxidising agent and has been implicated in fires. It is recommended that if stored on board it must be kept at temperatures less than 35°C and, so far as possible, only purchased for immediate use.</i></p>	8 kg
18		Insecticides and Repellents	
18	Repellent, personal	Diethyltoluamide. (Recommended 1 pack per crew member)	As required
18	Insecticide, liquid	The insecticide must not be harmful to humans, must be free from offensive odour and so far as possible non-staining, must be effective for killing insects or keeping spaces clear of insects, and must be suitable for use in crew and passenger accommodation and food preparation areas. Instructions must be specified on the packaging.	5 L

1	2	3	4
<i>Ref. No.</i>	<i>Treatment and storage symbols</i>	<i>Recommended Medicine and Dosage Strength</i>	<i>Suggested quantity Category A</i>
19	Vaccines		
19	§*	Tetanus Vaccine Adsorbed, injection, 0.5 ml	Use 7F1
19		Tetanus Immunoglobulin.	Use 7F2
20	Anti-Inflammatory		
20	Diclofenac.		See 3B2
21	Endocrines		
		—	—
22	Dental		
22		Oil of Cloves, 15 ml.	1
22		Zinc oxide dental paste, tube, 7 g.	1

Medical equipment

(This is the recommended quantity irrespective of the number of persons on board.)

Equipment marked 'MF' is additional equipment recommended in the *Medical First Aid Guide*, published by IMO, for ships carrying dangerous goods. It is not required for other ships.

	<i>Equipment Category</i>	<i>Recommended Specification</i>	<i>Category A</i>
1	Resuscitation Equipment		
	Manual resuscitation appliance	Valve and bag type. One must be supplied for ordinary ships. Two are required for ships carrying dangerous cargoes.	1 or 2(MF)
	Appliance for the administration of oxygen For tankers	Oxygen Giving Set comprising the following: (1) Oxygen reservoir, 2 cylinders with 60—90 minutes total supply; (2) 1 flow metre unit giving a minimum setting of 4 litres per minute; (3) 1 pressure regulating unit; (4) 1 set of tubing; (5) 5 x 24% oxygen disposable face masks; and	1

	<i>Equipment Category</i>	<i>Recommended Specification</i>	<i>Category A</i>
		<p>(6) 5 x 35% oxygen disposable face masks.</p> <p>Each part must be constructed so that it can only be assembled in the correct manner.</p> <p><i>Note 1: Items (2) and (3) may be combined in one unit.</i></p> <p><i>Note 2: A carry case for the set need only contain one oxygen cylinder if a second is stored nearby and is interchangeable with the first with negligible interruption to the flow of oxygen.</i></p>	
	<p>Appliance for the administration of oxygen</p> <p>For ships carrying dangerous cargoes, other than tankers</p>	<p>In addition to the above, ships carrying dangerous cargoes must carry 10 x 60% disposable facemasks.</p> <p>There must be a minimum of 44 litres of oxygen at 200 bar. This supply (including the above) must be composed as follows:</p> <p>1 portable set with at least 1 x 2 litre 200 bar cylinder ready for use, with a spare 2 litre 200 bar cylinder, and 1 x 40 litre 200 bar cylinder ready for direct use at the ship's hospital, with one flowmeter unit (two ports) for supplying of oxygen to two persons at the same time. (Small cylinders may be used to give the equivalent amount.)</p> <p>If more than one non-portable oxygen cylinder is used, there must be two flowmeter units for supply of oxygen to two persons at the same time.</p>	MF
	Mechanical aspirator to clear upper respiratory passages	Aspirator to clear airways (manual, hand operated) + 2 catheters	1
	Equipment for mouth to mouth resuscitation	<p>Pocket Mask <i>or</i></p> <p>Disposable mouth-to-mouth plastic shield.</p> <p>Guedel Airway Sizes 1, 3 and 4</p> <p>For ships carrying dangerous cargoes, the quantity must be increased to 2 of each size.</p>	<p>1</p> <p>6</p> <p>1</p> <p>2(MF)</p>

	<i>Equipment Category</i>	<i>Recommended Specification</i>	<i>Category A</i>
2	Dressing and suturing equipment		
	Balls, cotton wool, sterile	Pack of 5, in damp proof packaging	100
	Bandage, crepe	7.5 cm x 1.5 m when stretched	4
	Bandage, elastic, adhesive	7.5 cm x 4 m	2
	Bandage, gauze, conforming	5 cm x 5 m	4
	Bandage, gauze, tubular	7.5 cm x 5 m Seamless, of a size suitable for finger dressings	6
	Bandage, suspensory	5 m with applicator, plus 1 refill	1
	Bandage, triangular	Large size	1
		Calico, with two sides about 90 cm and a base about 127 cm	4
	Bandage, zinc oxide	Zinc Oxide Plaster, waterproof, on a spool: 2.5 cm x 5 m	1
		7.5 cm x 5 m	1
	Buds, cotton tipped, sterile	Pack of 2, sealed	10
	Closures, wound, sterile, adhesive	Pack of 8 strips (“Butterfly closures”), 4 x 38 mm.	4
	Dressing strip, elastic adhesive	Medicated dressing strip, 6 cm x 1 m, in a pack	2
	Dressings, adhesive, plastic, waterproof	19 mm x 72 mm, or pack of 100, assorted, sterile	2
	Dressings, paraffin gauze, sterile	Individually wrapped, 10 x 10 cm	50
	Dressings, plain wound, unmedicated	(1) small, BPC 13	5
		(2) medium, BPC 14	5
		(3) large, BPC 15	5

	<i>Equipment Category</i>	<i>Recommended Specification</i>	<i>Category A</i>
	Gauze, absorbent	Pack containing one piece, size 1 m x 90 cm	4
	Gauze, compresses, sterile	Pack containing 5 pads, size 7.5 x 7.5 cm	5
	Gauze, ribbon, absorbent, sterile	Pack containing ribbon, size 2.5 cm x 2.5 m	1
	Gloves, disposable	Polyethylene or latex, large or extra large	40
	Suture kit, disposable, with needles	<p>Sutures, sterile, of monofilament nylon or silk (except 3), swaged to a 26 mm, or 40 mm half circle needle with a cutting edge. (<i>sizes approximate</i>)</p> <p>Each needle and suture to be in a sealed pack</p> <p>suture, non-absorbable, 26 mm half circle needle</p> <p>suture, non-absorbable, 40 mm half circle needle</p> <p>suture, absorbable, catgut, 40 mm half circle needle</p>	<p>3</p> <p>3</p> <p>26</p>
	Suture strips, sterile, adhesive	75 mm adhesive suture strips.	4
	Swabs, alcohol impregnated	Pack of 100	1
	Talc	A closable tin containing 100 g of talc dusting powder, BP or similar	1
	Tampons/sanitary napkins	Small pack. On voyages of more than 48 hours, it is recommended that the quantity carried be 2 packs per female per month.	4

	<i>Equipment Category</i>	<i>Recommended Specification</i>	<i>Category A</i>
	Towels for treating burn victims	<p>Towels, assorted, non-adhering, non-linting, in sachets ready for hydrating with normal saline, in a portable kit.</p> <p>Each kit must contain at least:</p> <ol style="list-style-type: none"> (1) 2 towels - body dressing size; (2) 2 towels - leg dressing size; (3) 2 towels - arms dressing size; (4) 2 towels - hand dressing size; (5) 1 towel - face mask dressing; (6) 6 x 500 ml bottles/sachets normal saline irrigation; (7) 3 crepe bandages, light 10 cm width; (8) 2 rolls adhesive tape; and (9) 1 x scissors, s/b stainless steel, 12 cm. <p><i>Note: the above can be obtained in a proprietary kit.</i></p>	1
3	Instruments		
	Bottle, eye wash, for irrigation	<i>Alternative to eye spud</i>	1
	Box, instrument, stainless steel, with lid.	For forceps, scissors and thermometers. <i>Alternative to instrument roll.</i>	1
	Forceps, dissecting	Stainless steel, 12.5 cm	1
	Forceps, epilation (tweezers)	Oblique ends	1
	Forceps, needle	(for holding needles for suturing)	1
	Forceps, packing	Stainless steel	1
	Forceps, sinus	Stainless steel, 12.5 cm	1
	Forceps, Spencer Wells'	Stainless steel, 12.5 cm	1
	Razors, disposable		5
	Roll, instrument, fabric	For forceps, scissors and thermometers. <i>Alternative to instrument box.</i>	1

	<i>Equipment Category</i>	<i>Recommended Specification</i>	<i>Category A</i>
	Scalpels, disposable, sterile	Straight, size 23	6
	Scissors, surgical, stainless steel	About 18 cm, one blade sharp pointed and the other round-ended	1
	Scissors, surgical, stainless steel	12.5 cm, both blades sharp pointed	1
	Spud, eye, rubber	<i>Alternative to eyewash bottle</i>	2
4	Examination & monitoring		
	Charts, temperature	Am/pm, four hourly	1 pad
	Container, specimen, for blood and urine testing	Strong, transparent, sterilizable plastic or glass, size 50 ml	2
	Cup, sputum with cover	Wax paper or plastic, disposable	20
	Jars, specimen	Strong glass or plastic, with airtight lid, with blank labels, size 50 ml	5
	Labels	Plain, self-adhesive, about 5 cm x 3 cm	10
	Reports, medical evaluation		1 pad
	Sphygmomanometer		1
	Stethoscope		1
	Strips, reactive, for urine analysis	Multistix, in manufacturer's container, with instructions	100
	Tags, identification	For patients who have been given morphine	10
	Thermometer, hypothermic	Sub-normal range, low body temperature, stubby bulb pattern	1
	Thermometer, rectal	Ordinary range, case clearly marked: "For Rectal Use"	2
	Thermometer, standard medical	To Australian Standard – AS 2190	2
	Tongue Depressors, disposable		10
	Torch, disposable	Pencil or other torch suitable for examining eyes.	2

	<i>Equipment Category</i>	<i>Recommended Specification</i>	<i>Category A</i>
5	Equipment for injection, perfusion puncture and catheterization		
	Catheter, rectal infusion	Size 26 or 28, French gauge	6(MF)
	Catheter, sterile	(1) Foley type, 16 gauge, with 5 ml balloon (Short/medium term use in adults)	1
	Catheter, sterile	(2) Nelaton or Jacques type, 16 gauge (with no balloon)	1
	Condom, urinary	With teat connexion for incontinence	1
	Drainage instrument, urine/bladder	Bladder drainage set (including 2 litre capacity bag, spigots and tube)	1
	Rectal Infusion Set	A drip set for giving into the rectum 200 ml of fluid over a period of 10-15 minutes. Comprises: <ul style="list-style-type: none"> (1) a 2 m length of transparent plastic tubing attached to a reservoir; (2) a device for attaching the tube to a rectal catheter; (3) a device for regulating the flow of liquid from the reservoir; (4) a spigot to close the catheter when the drip set is disconnected; and (5) an appropriate rectal catheter. <i>(see above for additional rectal catheters if the ship carries dangerous goods.)</i>	1
	Infusion equipment, intra-venous	Cannula, (size 1.2 mm)	10(MF)
	Infusion equipment, intra-venous	Intra-venous administration set, with disposable infuser filters.	10(MF)
	Syringes and needles disposable (additional, for ships carrying dangerous cargoes)	2.5 ml syringe/0.8 mm (21 gauge) 4 cm needle 5 ml syringe/0.8 mm (21 gauge) 4 cm needle	60(MF) 5(MF)

	<i>Equipment Category</i>	<i>Recommended Specification</i>	<i>Category A</i>
	Syringes and needles, disposable	2.5 ml syringe/0.8 mm (21 gauge) 4 cm needle	40
	Syringes and needles, disposable	5 ml syringe/0.8 mm (21 gauge) 4 cm needle	5
	Syringes and needles, disposable	10 ml syringe/0.8 mm (21 gauge) 4 cm needle	20
6	General Medical Equipment		
	Bedpan	Stainless steel to BS 2588.1, or sterilizable plastic	1
	Bottle, hot water	rubber, with a non-burn surface or a fabric cover, size about 30 cm x 20 cm	2
	Bottle, urine, male	Glass or sterilizable plastic, graduated in ml <i>A female bottle must also be carried if there are female crew members</i>	1
	Pack, hot/cold	Flexible, re-usable	2
7	Immobilization & setting		
	Collar for neck immobilization	Adult size set of 3, small, medium and large, adjustable, rigid, with chin support for fractured neck	1
	Splint, inflatable	Set of six (half-leg, full leg, half arm, and full arm, ankle and wrist)	1
	Splint, malleable, finger		1
	Splint, malleable, forearm and hand		1
	Splint, thigh	Thomas, adjustable	1
	Stalls, finger	With tapes, of robust material throughout, two or more sizes	5
8	Disinfection, Disinsectization and Prophylaxis		

	<i>Equipment Category</i>	<i>Recommended Specification</i>	<i>Category A</i>
	Sterilizer	Electrically heated sterilizer for unwrapped utensils and instruments. Capacity: at least two kidney dishes, one pair of scissors, and three forceps, at one sterilization. <i>A sterilizer designed for sterilizing baby's bottles must normally be suitable.</i>	1
	Water-Disinfection compound	See 'Chlorine compound' in Group 17 in the previous table	
9	Other Equipment		
	Bags, for records	Approx. size 30 cm x 50 cm, to hold medivac records, dirty bandages, after- birth	6
	Bags, mortuary	Body bag - Large size, heavy duty opaque plastic, with a zip closure on the long side, designed to store a dead person in a refrigerator for up to 14 days or in a cool place for up to 5 days	1
	Bags, specimen	strong, approx. size 15 cm x 30 cm, to hold specimen jars/containers	6
	Box, "sharps" disposal	For used needles and scalpels	1
	Bowl, lotion	Size at least 200 mm x 90 mm, stainless steel to BS 1823, or sterilizable plastic to BS 5452	1
	Brush, nail	Strong, sterilizable plastic throughout	1
	Dish, kidney	Size 250 mm stainless steel to BS 1823, or sterilizable plastic to BS 5452.	2
	Eye products	Eye bath	2
		plastic, sterilizable Eye Pads, sterile	1
		50 individual Eye shades, either eye	2
		Eye wash solution, normal saline or similar, 500 ml	6
	Face masks	Disposable	12

	<i>Equipment Category</i>	<i>Recommended Specification</i>	<i>Category A</i>
	First Aid Kits	<p>Ships must carry first aid kits to be distributed in appropriate locations on the ship e.g. in the galley, engine room and bridge.</p> <p>The kit must include the following items to be kept in a portable waterproof container:</p> <ol style="list-style-type: none"> (1) 8 x triangular bandages (90 cm x 90 cm x 127 cm base); (2) 2 x No 13 BPC sterile unmedicated dressings; (3) 2 x No 14 BPC sterile unmedicated dressings; (4) 1 x No 15 BPC sterile unmedicated dressings; (5) 12 medium safety pins, rustless; (6) 30 assorted elastic adhesive waterproof dressings medicated BPC. Those supplied for use in the galley must be blue or other easily detectable colour; (7) 2 x sterile eye pads with attachment; (8) 6 x packs each containing 5 sterile cotton balls; (9) 5 pairs large or extra-large size disposable polythene or latex gloves; (10) 10 paraffin gauze dressings, BP, 10 cm x 10 cm, in individual sterile pack; and (11) one pair of stainless steel scissors, about 18 cm long, one blade sharp pointed, the other round ended. <p>In addition, it is suggested that in other areas where injuries are possible, such as workrooms, kits for immediate first aid be stored with materials such as hydrogen peroxide solution for disinfection</p>	
	Glass, magnifying	7.5 cm diameter on handle	1

	<i>Equipment Category</i>	<i>Recommended Specification</i>	<i>Category A</i>
	Gloves	Latex gloves surgical quality - sterile (large and extra-large)	5 pairs
	Instruments, dental	(1) Excavator double ended Guy's pattern G2 (2) Filling paste inserter or cotton tipped applicators (for inserting filling paste into the tooth) (3) Dental mirror size 4 on handle (4) Cavit (temporary dental filling) tube, 7 g (5) Oral splinting tape <i>Note: Items 2 to 5 can be obtained prepacked in a proprietary kit, "Dentist in a Box™ – plus tooth trauma care", which also provides information on emergency dental treatment. See Group 22 above for other dental requisites.</i>	1 set all items
	Kit for protection against blood transmitted diseases (BTD kit)	<p>For all ships trading in known malarial areas and in areas where medical facilities are limited and emergency shore based treatment may be necessary.</p> <p>To be kept in a heavy gauge polythene bag, and labelled "to be used only for the treatment of ..." (insert the name of the seafarer going ashore for emergency treatment)</p> <p>Each kit to contain the following:</p> (1) 10 x 2.5 ml syringes; (2) 10 x 10 ml syringes; (3) 20 x 21G 0.8 mm needles; (4) 1 blood giving set; (5) 1 blood taking set; (6) pack of pre-injection site swabs; and (7) disposable plastic or latex gloves 2 pairs. (large size)	1

	<i>Equipment Category</i>	<i>Recommended Specification</i>	<i>Category A</i>
	Measuring equipment	Transparent plastic measuring jug, strong, sterilizable, 750 ml, graduated Medicine measures, plastic, size 30 ml to 40 ml, graduated Dropper, plastic (for infants) (see disposable syringes) Spoon, measuring, plastic, size 5ml, conforming to AS 1325	1 6 – 50
	Pins, safety	Rustless medium, size 5 cm or assorted	12
	Publications	Marine Orders Part 10, and the Guidelines Controlled Drug Register Dispensary Book or Medical Log	1 1 1
	Sheeting, waterproof	Smooth, strong, non-adhesive, rubber or plastic sheeting, size 1 m x 2 m, or fitted sheets of similar type and size	2
	Slides, microscope	Microscope slides in individual transit containers. <i>Ships in malarial areas only</i>	5
	Stretcher equipment	An efficient carrying stretcher, suitable for lifting the patient horizontally and vertically	2
	Tissues	Soft paper, in closable container	200
	Towels, paper	Paper, disposable, individual, hand size	100

Medical Supplies for Category C Ships

(Ships in smooth or partially smooth waters, and those that stay close to the shore.)

<i>Ref No.</i>	<i>Treatment, and Storage Symbols</i>	<i>Recommended Medicine and Dosage Strength</i>	<i>Recommended</i>
1	Cardio vascular		
B	Anti-angina preparations		
1B		Glyceryl trinitrate 400 micrograms metered 200 doses, spray, aerosol	1
D	Anti-haemorrhagics (including uterotonics if there are women with potential for child bearing working on board)		
1D1		Phytomenadione paediatric 1mg/0.5 ml, (Vitamin K1)injection	1*
1D2		Ergometrine 500 microgram Oxytocin 5 units, injection, 1ml	1*
2	Gastro intestinal system		
B	Anti-emetics		
2B		Hyoscine hydrobromide 0.3 mg, tablet	60
(D)	Anti-diarrhoeals		
		Codeine Phosphate 30 mg, tablet	20
3	Analgesics and Anti-spasmodics		
A	Analgesics		
3A1		Paracetamol 500 mg, tablet	50
3A2		Codeine Phosphate (See 2D)	Use 2D
4	Nervous system		
C	Seasickness remedies		
4C		Hyoscine hydrobromide (See 2B)	Use 2(B)
9	Medicines for External Use		
A	Skin medicines		
9A	Antiseptic solutions	Pre-diluted aqueous solution containing Cetrimide and chlorhexidine, bottles, 100 ml, disposable, for individual use	6
9A	Burn preparations	Cetrimide Cream, tube, 50 g, with local anaesthetic effect	1

Medical Equipment for Category C Ships

	<i>Equipment category</i>	<i>Recommended Specification</i>	<i>Quantity</i>
1	Resuscitation Equipment		
	Mask, for mouth to-mouth resuscitation	Pocket Mask	1
2	Dressing and suturing equipment		
	Bandage, adhesive elastic	7.5 cm x 4 m	1
	Bandages, sterile compression and dressings, unmedicated	(1) No 13, BPC	6
		(2) No 14, BPC	2
		(3) No 15 BPC	2
	Bandages, triangular	about 90 cm x 90 cm x 127 cm	4
	Closures, wound, sterile, adhesive,	Pack of 8 strips (“Butterfly closures”), 4 mm x 38 mm.	6
	Compresses, sterile gauze	Pack containing 5 sterile gauze pads. Size 7.5 cm x 7.5 cm	2
	Dressings, adhesive	Assorted, sterile	20
	Instruments, dental	(1) Filling paste inserter or cotton tipped applicators (for inserting filling paste into the tooth) (2) Dental mirror size 4 on handle (3) Cavit (temporary dental filling) tube, 7 g (4) Oral splinting tape <i>Note: These items can be obtained pre-packed in a proprietary kit, “Dentist in a Box™ – plus tooth trauma care”, which also provides information on emergency dental treatment.</i>	1 set all items
	Dressings, paraffin gauze	Sterile, 10 cm x 10 cm	10
	Gloves, disposable	Polyethylene or latex, large or extra large	5 pairs
	Pins, safety	Medium, rustless, assorted	6
	Scissors, surgical	Stainless steel, 12.5 cm	1 pair
	Strips, suture	Adhesive, 75 mm	4
	Recommended Additional Item		
	Bag, hazardous waste, plastic	For disposal of hazardous waste materials	1