

REPUBLIC OF THE MARSHALL ISLANDS



Medical Care Aboard Ship and Ashore

Medicine Chest Requirements, Recordkeeping,
Responsibilities, and Training for Medical Care

MARITIME ADMINISTRATOR

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**REPUBLIC OF
THE MARSHALL ISLANDS
MARITIME ADMINISTRATOR**

Marine Notice

No. 7-042-1

Rev. Jun/2024

**TO: ALL SHIPOWNERS, OPERATORS, MASTERS AND OFFICERS OF
MERCHANT SHIPS, AND RECOGNIZED ORGANIZATIONS**

SUBJECT: Medical Care Aboard Ship and Ashore

- References:**
- (a) **Maritime Labour Convention, 2006, ([MLC, 2006](#))**, as amended by the [2022 Amendments](#)
 - (b) **IMO Circular [MSC.1/Circ.1042](#)**, *List of contents of the “Emergency Medical Kit/Bag” consideration for its use on Ro-Ro Passenger Ships not normally carrying a medical doctor*, issued 28 May 2002, as supplemented by **IMO Circular [MSC.1/Circ.1172](#)**, *Identification of passenger ships, other than ro-ro passenger ships, which should benefit from being equipped with the emergency medical kit/bag (EMK)*, issued 23 May 2005
 - (c) **IMO Circular [MSC.1/Circ.1361/Rev.1](#)**, *Revised recommendations on the safe use of pesticides in ships applicable to the fumigation of cargo transport units*, issued 28 April 2022
 - (d) **IMO Circular [MSC.1/Circ.1650](#)**, *List of non-exhaustive voluntary guidance on pest contamination*, issued 20 May 2022
 - (e) **IMDG Code Supplement, Medical First Aid Guide for Use in Accidents Involving Dangerous Goods (MFAG)**, 2022 Edition
 - (f) **World Health Organization, [International Health Regulations](#)**, 2005
 - (g) **World Health Organization, [International Medical Guide for Ships](#) (IMGS)**, Third Edition 2007
 - (h) **World Health Organization, [Quantification Addendum: International Medical Guide for Ships](#)**, Third Edition 2010
 - (i) **International Maritime Health, [Guidance to the International Medical Guide for Ships, 3rd edition: Interim advice regarding the best use of the medical chest for ocean-going merchant vessels without a doctor onboard](#)**, Vol. 60, Nos. 1-2 (2009)
 - (j) **RMI [Maritime Regulations](#)** (MI-108)

PURPOSE

The Maritime Labour Convention, 2006, (MLC, 2006) establishes standards for medical care on board ship and ashore. These standards are reflected in the Republic of the Marshall Islands (RMI) [Maritime Regulations](#), §7.42.

This Marine Notice (MN) adopts, as guidance, the *Quantification Addendum: International Medical Guide for Ships, 3rd Edition*, (IMGS) published by the World Health Organization (WHO). It specifically addresses:

- **Ship's Medicine Chest:** the kinds and amounts of medicines, medical supplies and equipment that should be considered for a ship's medicine chest, and requirements for their re-supply, replacement, and disposal;
- **Recordkeeping:** requirements for inventorying and recording medicines, including controlled drugs;
- **Seafarer Injury and Illness Medical Record** ([MI-105MR](#)): introduction of the form to facilitate the exchange of medical information between ship and shore;
- **Ship Master's Report Form** ([MI-105G](#)): to record each medical case managed on board; and
- **Responsibilities/Training:** owners/operators, Master and others with responsibilities for medical care.

This MN supersedes version Sep/2023. Section 1.0 has been added to address seafarers in immediate need of medical care, an amendment made to MLC, 2006 Standard A4.1 and its associated guidelines by the 2022 Amendments.

APPLICABILITY

This Notice applies to all vessels registered in the RMI.

REQUIREMENTS

1.0 Medical Care On Board Ship and Ashore

In accordance with the MLC, 2006, a seafarer in need of immediate medical care must be allowed to disembark and be provided with access to medical facilities ashore. Examples of cases to be considered as “in need of immediate medical care” are listed in MLC, 2006, Guideline B4.1.5.

2.0 Vessel Medicine Chests

2.1 Requirement for Carriage

All vessels must carry a medicine chest containing:

- .1 medical supplies and equipment (See §2.3, below, and Appendix A); and

- .2 the latest edition of applicable publications, forms, and charts (See Appendix B).

2.2 Medicine Chest Contents

- .1 Except for ships carrying dangerous goods, the content of a ship's medicine chest is not mandated through any statutory requirement to which the Administrator is a party.
- .2 Guidance on the medicines and medical supplies that should be maintained on board is provided in the International Medical Guide for Ships and its Quantification Addendum published by the WHO. This guidance, reproduced below in Appendix A, is recommended by MLC Guideline B4.1.1.4 for consideration when determining the contents of the medicine chest and medical equipment.

2.3 Carriage Requirements for Medicines and Medical Supplies

.1 All Vessels

- a. All vessels must stock their medicine chests so that the inventory (types, dosage and quantities of medicines, medical supplies, and equipment) is appropriate to the particular vessel's route, operation, and number of persons on board.
- b. All vessels greater than 500 gross tons must, in addition to any other requirement, provide commercially available first aid kits for their engine room and galley.

.2 Vessels with a Doctor on Board

- a. Vessels, including passenger ships, carrying 100 or more persons, and ordinarily engaged on international voyages of more than three days' duration are required to carry a qualified medical doctor responsible for providing medical care.
- b. For mobile offshore drilling units and mobile offshore units (as defined in [MI-293](#)), the requirement for a doctor on board may be met with a qualified medic or nurse where the unit is within helicopter range to shore medical services and facilities.
- c. The exact inventory of medicines, medical equipment and supplies should be determined by the ship owner or operator in consultation with a qualified medical practitioner, such as the ship's doctor or pharmacist.

.3 Vessels without a Doctor on Board

- a. The Administrator requires its vessels **without a doctor on board** to establish the contents of their medicine chest using as guidance the RMI Ship-Specific Medicine Chest Inventory Guidelines¹, see Table 1.
- b. The types, amounts and quantities indicated by these tables are expected to vary based on the **vessel route, operation, and the number of persons on board**.
- c. If there is any question about the appropriate types or quantities of medicines or supplies to be carried, the Administrator highly recommends the medicine chest contents be established by the ship owner or operator in consultation with a qualified medical practitioner or pharmacist.

Table 1

**RMI Ship-Specific Medicine Chest Inventory Guidelines
for Vessels Without a Doctor on Board**

Vessel	WHO Category
Oceangoing ships	Category A
Coastal, Great Lakes or nearby foreign ports with voyages not more than 24 hours from port of call	Category B
Fishing vessels <ul style="list-style-type: none">• on extended voyages more than seven (7) days• on voyages of seven (7) days or less and in close proximity to a port of call	Category B Category C
Yachts <ul style="list-style-type: none">• on voyages more than 60 miles from safe harbor• on voyages 60 miles or less from safe harbor	Category B Category C
Ro-Ro Passenger Ships not normally carrying a medical doctor	Category B and Emergency Medical Kit per MSC/Circ.1042 , as supplemented by MSC/Circ.1172
Mobile and immobile floating production, storage and offloading units (FPSOs) and floating storage units (FSUs)	Seek advice of qualified medical practitioner or pharmacist to establish inventory

1. The IMGS 3rd edition must be read in conjunction with the **International Maritime Health [Guidance](#)** per the reference section above.

2.4 Medicines for Ships Carrying Dangerous Cargoes

- .1 Ships, including ferries, carrying dangerous cargoes or their residues, must additionally comply with the International Maritime Dangerous Goods (IMDG) Code and the guidance in the latest edition of *Medical First Aid Guide for Use in Accidents Involving Dangerous Goods* (MFAG).
 - a. Medicines and equipment already available in the IMGS list may be counted toward the MFAG numerical requirement, if appropriate.
 - b. They should be stored and registered together with the regular medicines and medical supplies carried on board.
- .2 Where a cargo, classified as dangerous, has not been included in the most recent edition of MFAG, the necessary information on the nature of the substances, the risks involved, the necessary personal protective devices, the relevant medical procedures, and specific antidotes should be made available to the seafarers via the ship's occupational safety and health policies.
- .3 For a listing of medicines and supplies, refer to MFAG, which is required to be maintained on board and can be found in the IMDG Code Supplement. This may be purchased from the International Maritime Organization (IMO) from this [webpage](#).

2.5 Medicines for Ships Carrying Passengers

- .1 There is a high risk of a medical emergency occurring aboard any passenger ship even for those cruising just for a few hours. To facilitate the care of passengers on these types of ships that do not normally carry a medical doctor, particularly ro-ro passenger ships, an Emergency Medical Kit should be carried. See IMO Circulars [MSC/Circ.1042](#), as supplemented by [MSC/Circ.1172](#), for additional guidance.
- .2 The Emergency Medical Kit (or Bag) should be labeled:

“The medicines in this bag are to be used by a qualified medical practitioner or a registered general nurse, a qualified paramedic, or ship personnel in charge of medical care on board under the direct supervision of either a medical practitioner on board the ship or under telemedical advice/prescription by a Telemedical Advice Service (TMAS).”

2.6 Equivalencies

In recognition that other administrations have established standards for ships' medicine chests, the RMI must consider these standards to comply with the Administrator's requirements, provided the inventories are effectively equivalent to or exceed the WHO (and IMO for IMDG) standards.

2.7 Controlled Drugs

- .1 Controlled drugs are graded according to the harmfulness attributed to it when misused. There are three drug categories:
 - a. Class A includes heroin, morphine, and opium;
 - b. Class B includes barbiturates and codeine; and
 - c. Class C includes, among other drugs, anabolic steroids.
- .2 A ship must not carry excess quantities of Class A or Class C drugs unless authorized by the Administrator. Morphine Sulphate is the only Class A drug authorized to be carried aboard RMI-flagged ships.
- .3 Some countries do not allow the controlled drugs sales to ships not registered in that country. Ship managers are encouraged to become familiar with the controlled drug distribution laws in the countries where their ships are trading and to communicate directly with the cognizant authorities to learn of the options available for the procurement and delivery of controlled drugs to ships operating in these areas.
- .4 Controlled drugs must be kept in the Master's safe or behind a double-lock system.

2.8 Medicine Supply, Labeling, Re-supply, Replacement, and Storage

- .1 All medicines must be supplied in standard small packages², and to the extent possible, in single dose portions. The prescribed active ingredients and strengths must be observed, or an equivalent Anatomical Therapeutic Chemical provided if the prescribed active ingredient is not available.
- .2 Medical instructions and, if necessary, the medicine labeling³ is to be in English and a language understood by the crew, if not English.
- .3 Sufficient reference material or product use and identification cards related to the medicines carried must be available on board the vessel.
- .4 Medicines and medical equipment must be re-supplied as necessary.

2. Because ships obtain medicines from different countries, it is not possible to recommend exact pack sizes. However, in most instances, the closest pack size should be stocked. To the extent possible, it is recommended that stocked medicines are in aluminum blister packaging as they provide better protection from the harsh storage conditions on board a vessel. These normally come with batch/lot numbers printed on the label and can be checked by the competent authority of the country in which the supplying pharmacy is based to ensure that they are not substandard or counterfeit.

3. It is recommended that labels include: 1) the generic name; 2) indications; 3) contraindications or warnings; 4) route of administering and dosage; 5) batch or lot number; 6) expiration date; 7) contact details of the supplying pharmacy; 8) special instructions for storage, if any; and 9) special marking stating that it is a controlled substance, if applicable.

- .5 Medicines with expiration dates must be replaced as soon as possible and in any case within three months of expiry.
- .6 All medicines must be stored in accordance with the manufacturer's recommendation.
- .7 All medicines and medical devices must be stored under lock and key, except for first aid kits per §2.3.1, above.

2.9 Disposal of Medicines and Medical Supplies

Medicines and medical supplies must be disposed of properly in accordance with all applicable local and national laws and regulations of the State in which disposal is occurring and any applicable international requirements.

.1 Disposal of Non-Controlled Medications and Medical Supplies

- a. Expired medicines and medical supplies should be returned to the supplier where possible or sent to an approved shoreside contractor for disposal.
- b. If disposal is not possible, expired medicines and medical supplies may be incinerated at sea where a vessel has in place a written waste disposal policy and a program that includes incineration at appropriate temperatures by exclusively authorized personnel. Records of these incinerated medicines and medical supplies must be kept as part of the medical inventory.
- c. There are licensed pharmaceutical distribution centers that handle the supply and disposal of prescription and non-prescription medications for marine vessels on a global basis. The Administrator recommends using these companies for a vessel that regularly encounters problems with locating shoreside facilities able to accept these wastes.

.2 Disposal of Controlled Drugs

- a. There are various methods to dispose of controlled drugs lawfully. They include:
 - (1) giving them to a person who may lawfully supply them, such as a qualified doctor or pharmacist;
 - (2) incineration;
 - (3) waste encapsulation; and
 - (4) inertization.

- b. Whatever disposal method for a controlled drug is used by an RMI-flagged vessel, the following conditions must be met:
 - (1) The method used must be properly implemented; and
 - (2) the entire process from unpacking through to the controlled drug's final destruction must be witnessed by at least two persons and documented in the Controlled Drugs Register (see §4.5, below).

2.10 Carriage of Defibrillators

- .1 There is no statutory requirement under international or national legislation for ships to carry defibrillators. It is a matter for individual operators to decide whether to include a defibrillator with the medical stores or doctor's bag.
- .2 If a defibrillator is carried, there must be procedures to ensure regular equipment maintenance (in accordance with manufacturer's instructions), and adequate training for the first aid providers. This must include patient care after defibrillation, bearing in mind that immediate hospitalization may not be possible.

3.0 Inspection and Certification Requirements

- 3.1 MLC Standard A4.1.4(a) requires regular inspection by the competent authority of the ship's medicine chest which must be conducted at regular intervals not exceeding 12 months. Shipowners may rely upon the inspection and certification of medicine chests by a pharmacist or pharmacy providing this service that has been approved by the competent authority in which they are located.⁴
- 3.2 Inspection and certification of the medicine chest can be carried out on board or remotely. Where physical attendance on board is not feasible, the Master must:
 - .1 ensure that the medicines have not expired, and they and their supplied packaging are not damaged;
 - .2 ensure that the medical equipment is usable and free from damage.
 - .3 provide to the inspecting entity the updated medicine list required in §4.1, below.
 - .4 Provide information to the entity conducting the inspection whether the ship falls into WHO Category A, B, or C based on ship type and distance from shore (see §2.3.3, Table 1, above) and whether the medicine chest is stocked in accordance with the recommendations contained in Appendix A of this Notice or with other guidance. In either case, the recommendations or guidance on which the medicine chest is based must be identified and forwarded to the entity conducting the inspection.

4. Although not required, it is highly recommended to use a specialized marine pharmacist or pharmacy.

- .5 Confirm with the inspecting entity the number of persons allowed on board by the safety equipment certificate.
 - .6 Inform the inspecting entity whether the vessel carries dangerous goods or chemicals.
- 3.3 The Master must instruct the inspecting entity to review the information provided in §3.2, above.
- .1 If the review shows the medicine chest is stocked so that the inventory is appropriate to the particular vessel's route, operation, and number of persons on board, then documentation certifying this must be obtained from the inspecting entity.
 - .2 This documentation must include a statement that all required contents of the medicine chest are present and will not expire during the period covered by the issued documentation. The documentation (which could be in certificate form) must also include, to the extent possible:
 - a. IMO Number;
 - b. Name of Vessel;
 - c. Registry of Vessel;
 - d. Unique serial number or ID code on the document; and
 - e. Issuing and expiry dates.
 - .3 The document or certificate must be signed and stamped by the entity conducting the inspection and it must show their full name and title.
- 3.4 If the review results show that the medicine chest is not appropriate to the particular vessel's route, operation and number of persons on board, the Master must take corrective action. Master must obtain signed and stamped documentation from the entity conducting the inspection once the medicine chest is deemed appropriate. The entity conducting the inspection must include their full name on the document.
- 3.5 Flag State annual inspections must also be used to verify that medicine chests are adequate and have been certified within the last 12 months.

4.0 Recordkeeping Requirements

4.1 Inventory of Medicines

A medicines and medical supplies list must be maintained on board all RMI-flagged vessels.

- .1 The list must be regularly updated and contain for each item the expiry date, storage conditions, quantities remaining after purchase or use, and disposal information.
- .2 The medicine chest must be inventoried no less than once a year. All items contained in the medicine chest should have an expiration date and should be re-supplied as necessary by the expiry date.

4.2 Seafarer Injury and Illness Medical Record

- .1 The Master or designated and certified onboard “medical care provider” must complete the form [MI-105MR](#), *Injury and Illness Medical Record* to the extent possible whenever a seafarer’s treatment aboard a vessel needs to be rendered on shore.
 - a. The form’s purpose is to facilitate the exchange between the vessel and shore about a seafarer’s medical condition and related information in cases of illness or injury.
 - b. Ship owner or operator forms that serve the same purpose and are part of an electronic recordkeeping system may be used instead of MI-105MR.
- .2 The information must be kept confidential and only used to facilitate the treatment of seafarers and may be:
 - a. used to transmit information in the evacuation of a seafarer;
 - b. provided to shoreside medical personnel either filled out in part or full, as applicable, or forwarded to shoreside medical personnel as a blank form to be completed and returned to the vessel on examination of the seafarer;
 - c. provided in copy to the seafarer upon request;
 - d. kept with the seafarer’s medical records while on board the vessel or ashore by the Ship owner when the seafarer leaves the ship; and
 - e. forwarded as a copy to the RMI Maritime Administrator when filing a [MI-109-1](#), *Report of Personal Injury or Loss of Life*.
- .3 The Seafarer Injury and Illness Medical Record must be kept by the Ship owner for a period of two years.

4.3 Ship Master's Report Form

- .1 Assisted by the ship's doctor or crew members assigned to basic medical duties, the Master must complete the [MI-105G](#), *Ship Master's Report Form* for each medical case managed on board that is the result of a seafarer being injured or ill for 72 hours or more in duration, or requires medical advice or assistance from a medical facility or practitioner ashore. This form must be filed in the ship's medical log with the [MI-105MR](#), *Seafarer Injury and Illness Medical Record*.
- .2 The Ship Master's Report must be kept by the ship owner for two years.

4.4 Medical Log

Each vessel must keep a medical logbook wherein must be entered every case of illness or injury happening to any member of the crew, passenger or other persons engaged in the business of the vessel; the nature thereof; and the medical treatment.

4.5 Controlled Drugs Register

- .1 A register of controlled drugs must be maintained by the Master.
- .2 Controlled drugs must be entered in the controlled drugs register on reception by the vessel. The information logged must include the type, quantity, supplier name and date received.
- .3 The following must also be recorded in the Controlled Drugs Register:

Table 2 – Controlled Drugs Register

Dose given
Type
Ordered by (name)
Administered by (name)
Patient (who received dose)
Date and Time
Lost or spoiled doses
Date and time when this occurred
Reason: e.g., broken ampoule, drug prepared, but not injected, etc.
Inventories
Update after each use
Make a running count of remaining stocks
Conduct a count, at least weekly, of remaining ampoules, tablets, etc. in store
Check this weekly count against records of use and the running count
Disposal - Record information on disposal including
Method
Drug type

Amount
Date and time
Receipts
Witness documentation, including signatures (e.g., control signature form)

- .4 The register of controlled drugs must be kept for two years after the last entry date.

4.6 Electronic Records

All records required under this section may be kept and managed electronically.

5.0 Responsibilities and Training

- 5.1 The vessel owner or operator is ultimately responsible for the contents of the medicine chest on board a vessel and, therefore when putting it together should seek qualified medical consulting, particularly when considering travel to areas with certain medical risks (e.g., malaria).
- 5.2 The Master is responsible for keeping and managing medical supplies kept on board to ensure that the medications are properly dispensed and that records are kept of their disposition. This responsibility may be delegated to a properly trained and certified crew member.
- 5.3 The Administrator requires vessels which do not carry a medical doctor to have on board:
 - .1 one certified seafarer “Medical Care Person in Charge” responsible for medical care and administering medicine as part of their regular duties; and
 - .2 one certified seafarer “Medical First Aid Provider” designated to undertake the duties of providing immediate first aid in case of injury or illness aboard ship.
 - .3 A single individual may serve in both capacities, provided he or she holds the two certifications.
- 5.4 Seafarers in charge of medical care or first aid must report to the Master on health-related conditions on board and present the medical logbook to the Master on request.
 - .1 Seafarers on board who are designated to provide medical care or first aid must have training as required by STCW. This training should be based on the contents of the most recent editions of the IMGS, MFAG, and the medical section of the *International Code of Signals* (published by the IMO). Refer to [MI-118](#) for details on certification requirements.

- .2 This certification is not required of ship's doctors or nurses, nor will it be issued to them. The responsibility of verifying the validity of medical certificates rests with the shipowner or operator.
- 5.5 The Master or other persons designated with responsibilities for medical care or first aid must make full use of all available (24 hours per day) medical advice by radio or radiotelephone. Seafarers with these responsibilities must be instructed in using the vessel's medical guide and the medical section of the most recent edition of the International Code of Signals. This will enable them to understand the type of information needed by the advising doctor as well as the advice received.
- 5.6 However well-trained, crew members are not medically qualified. A doctor should always be consulted about serious illness or injury, or when any doubt exists about the action to take in treating a patient.

6.0 International Health Regulations

- 6.1 The International Health Regulations (2005) (IHR (2005)) are an agreement between 196 countries, including all WHO Member States, to work together for global health security.⁵ On 15 June 2007, the WHO IHR (2005), introduced an amended certification procedures for ships. The certificates are entitled Ship Sanitation Control Exemption Certificate/Ship Sanitation Control Certificate ("Ship Sanitation Certificates" or "SSC"). The SSC replace the previous Deratting/ Deratting Exemption certificates ("DC/ DEC") provided by the 1969 Regulations.
- 6.2 The [IHR](#) (2005) includes procedures and practices for preventing the transboundary spread of infectious disease. Prior to arrival in port, IHR (2005), Article 37 generally requires that the Master of a ship arriving from a foreign port provide a State that is a Party to IHR with a Maritime Declaration of Health (MDH) The MDH contains a series of health-related questions that address illness, death, and sanitary measures on board, to which a Master must attest.
- 6.3 The IHR (2005), [Annex 8](#) contains a model MDH for use by RMI-registered vessels that call on ports where an MDH is required.
- 6.4 For guidance, including on applying public health measures within the IHR (2005), Refer to the WHO [Handbook for Inspection of Ships and Issuance of Ship Sanitation Certificate](#).

7.0 Pest Management

- 7.1 The presence of insects, rodents, and other pests must be controlled to prevent the transmission of illness and disease to all persons on board a vessel.
- 7.2 Few pesticides are suitable for use against all pests found on board. Thus, pesticides must be considered individually and utilized according to the

5. The RMI is a party to the IHR (2005). They entered into force on 15 June 2007.

manufacturer's instructions, and as recommended in the IMDG Code Supplement, *Revised Recommendations on the Safe Use of Pesticides in Ships*.

- 7.3 For ships carrying cargo transport units, refer to IMO Circular [MSC.1/Circ.1361/Rev.1](#) for recommendations on fumigation and IMO Circular [MSC.1/Circ.1650](#) for a non-exhaustive list of voluntary guidance.
- 7.4 In developing a pest control strategy, cruise ships and commercial yachts may want to consider recommendations on pest control in the United States Centers for Disease Control and Prevention, *Vessel Sanitation Program Operations Manual*.

8.0 Mosquito Protection

- 8.1 Ships regularly trading to mosquito-infested ports must have appropriate devices (e.g., nets, screens) as prophylaxes against mosquitoes. Refer to MN [7-044-1](#), *Accommodations, Recreational Facilities, Food, Catering and Water*.
- 8.2 Such ships must also carry mosquito and anti-malarial medications:
 - .1 The quantity and formulation (depending on area of travel) of the anti-malarial medications must be adequate to protect all crew before, during, and after the vessel's arrival and departure in a malaria endemic area.
 - .2 Mosquito repellant quantities must be sufficient for at least one per crew member. Table I in Appendix A of this MN lists the types and quantities of anti-malarial medications to be carried.

Appendix A – Inventory Guidelines

for Medicines and Medical Supplies for Ships Without a Doctor on Board

Table I: Recommended Quantities of Medicines for Ships Without a Doctor on Board
(WHO Quantification Addendum for use in conjunction with the *International Medical Guide for Ships, 3rd Edition*)

Category A: Oceangoing ships. Stock levels are based on a six-month supply.

Category B: Vessels engaged in coastal trade or going to nearby ports that travel no more than 24 hours from port of call. Stock levels are based on a six-month supply.

Category C: Fishing vessels and private craft usually traveling no more than a few hours from home port or a port of call. The assumed duration of each trip is up to three to four weeks.

Name	Form ⁶	Strength	Indication ⁷	Quantities per 10 Crew ⁸			Notes
				A	B	C	
Acetylsalicylic acid	tab	300mg	pain, fever, blood clots	50	50	-	
Aciclovir	tab	400mg	herpes simples/zoster	70+	35+	-	
Adrenaline	amp	1 mg/ml	anaphylaxis	10+	5+	5+	
Amoxicillin + clavulanic acid	tab	875mg/125mg	infections	20	10	-	
Artemether	amp	80mg/ml	malaria treatment	12+	12+	-	
Artemether + Lumefantrine	tab	20mg/120mg	malaria treatment	24+	24+	-	double if crew size > 30
Atropine	amp	1.2mg/ml	MI/organophosphate poisoning	10+	5+	-	double quantity if carrying organophosphates
Azithromycin	tab	500mg	infections	10+	5+	-	
Ceftriaxone	amp	1g	infections	15	5+	-	
Cetirizine	tab	10 mg	hay fever/hives/dermatitis	30+	30+	-	
Charcoal, activated	powder		poisoning	120g+	120g+	-	
Ciprofloxacin	tab	250mg	infections	20+	10+	-	double if crew size >30
Cloves, oil of	liq		toothache	10ml	10ml+	-	
Dexamethasone	amp	4mg/ml	severe asthma/anaphylaxis	3	1	-	
Diazepam	tab	5mg	alcohol withdrawal	50+	20+	-	

6. amp = ampoule; crm = cream; inh = inhalation; liq = liquid; lot = lotion; oint = ointment; tab = tablet

7. AF = atrial fibrillation; HTN = hypertension; MI = myocardial infarction

8. Quantities marked with a '+' are suggested quantities irrespective of crew size.

Name	Form ⁶	Strength	Indication ⁷	Quantities per 10 Crew ⁸			Notes
				A	B	C	
Docusate with senna	tab	50mg/8mg	constipation	30+	-	-	
Doxycycline	tab	100mg	infections	10	-	-	
Ethanol, hand cleanser	gel	70%	hand cleaning	500ml	500ml+	100ml+	
Ethanol	liq	70%	disinfect instruments	500ml	100ml	-	
Fluorescein	eye strips	1%	detect corneal damage	20+	20+	-	
Fruzemide	amp	40mg/4ml	pulmonary oedema	5+	5+	-	
Glucagon	amp	1mg	hypoglycaemia	1+	1+	-	
Haloperidol	amp	5mg/ml	psychosis/severe agitation	5	5+	-	
Hydrocortisone	crm	1%	allergy/inflammatory skin	2x30g	1x30g	-	one (1) tube per patient
Ibuprofen	tab	400 mg	inflammation/pain	100	50	50+	
Isosorbide dinitrate	tab	5 mg	angina/MI	10	10	5+	
Lignocaine	amp	1%, 5ml	suturing/minor surgery	5	5	-	
Loperamide	tab	2mg	diarrhea	30	30	10+	
Mebendazole	tab	100mg	intestinal worms	6+	6+	-	
Metoprolol	tab	100mg	HTN/AF/angina/migraine	60+	-	-	
Metronidazole	tab	500 mg	infections	30+	20+	-	
Miconazole	crm	2%	fungal skin infections	2x30g	1x30g	-	double quantities if females on board
Midazolam	amp	5mg/ml	epileptic fits	10+	5+	-	
Misoprostol	tab	200ug	post-partum hemorrhage	3+	3+	-	only if females on board
Morphine (Controlled Substance)	amp	10mg/ml	severe pain	10	10	-	
Morphine (Controlled Substance)	liq	1 mg/ml	severe pain in patients able to eat and drink	100ml+	100ml+	-	double if crew size > 30
Naloxone	amp	0.4mg/ml	opiate overdose	10+	5+	-	
Omeprazole	tab	20mg	reflux, peptic ulcers	30+	30+		double if crew size > 30
Ondanestron	tab	4mg	vomiting, sea-sickness	10	10	10+	
Oral rehydration solution	powder	sachet	dehydration due to diarrhea	15l(75)	10l(50)	2l(10)+	quantities in brackets are number of sachets based on sachets made up to 200ml
Oxymetazoline	nasal drop	0.50%	nasal obstruction/drain sinuses	2	1	-	one (1) bottle per patient
Paracetamol	tab	500mg	pain and fever	100	50	25	
Permethrin	lot	1%	lice	200ml+	100ml+	-	double if crew size > 30
Permethrin	lot	5%	scabies	300ml+	100ml+	-	100ml per patient
Povidone iodine	liq	10%	disinfect skin/wounds	100ml	100ml	100ml+	
Povidone iodine	oint	10%	disinfect skin/wounds	1x25g	1x25g	-	
Prednisone	tab	25mg	asthma/inflammatory conditions	30+	30+	-	

Name	Form ⁶	Strength	Indication ⁷	Quantities per 10 Crew ⁸			Notes
				A	B	C	
Salbutamol	inh	100ug/dose	asthma/bronchitis/emphysema	1	1	-	one (1) inhaler per patient
Sodium chloride	liq	0.9%, 1litre	fluid replacement	5+	1	-	
Tetracaine (amethocaine)	eye drop	0.50%, 1ml	eye examination	20+	20+	-	
Tetracycline	eye ointment	1%	minor eye infections	2	1	1+	one (1) tube per patient
Vitamin K	amp	10mg/ml	reverse warfarin or similar	2+	2+	-	
Water for injection	amp	5ml	reconstitute injection	15	5+	-	only used to reconstitute ceftriaxone
Zidovudine + lamivudine	tab	300mg/150mg	needle-stick injury prophylaxis	56+	56+	-	
Zinc Oxide	Paste/ ointment	20%	irritated skin	200g+	100g+	100g+	4 x 25g or 3 x 30g tubes per 100g

Table I (Continued) Supplies and Equipment
(*International Medical Guide for Ships, 3rd Edition*)

Category	Recommended Item	Quantity
RESUSCITATION EQUIPMENT		
Appliance for the administration of oxygen	portable oxygen set, complete, containing:	1
	• 1 oxygen cylinder, 2 1/200 bar	1
	• 1 spare oxygen cylinder, 2 1/200 bar	1
	• Pressure regulating unit and flow meter with tubes such that ship's industrial oxygen can also be used	1
	• 3 disposable face masks of choice; including simple face mask and non-rebreathing mask	3
Oropharyngeal airway	Guedel airway (Mayo-tube): sizes medium and large	2
Mechanical aspirator	manual aspirator to clear upper airways, including 2 catheters	1
Bag and mask resuscitator	Ambubag (or equivalent); supplied with large, medium and small masks	1
Cannula for mouth-to-mouth resuscitation	Brook Airway, Lifeway, pocket face mask or equivalent	1
DRESSING MATERIAL AND SUTURING EQUIPMENT		
Adhesive dressings	assorted wound-plaster or plaster strips, water-resistant	200
Eye pads	eye pads	3
Sterile gauze compresses	sterile gauze compresses, 5x5 cm, sterile	100
	sterile gauze compresses, 10x10 cm, sterile	100
Gauze roll	gauze roll, 5cm and 90cm or 60cm x 100 m, non-sterile	1
Gauze dressing with non-adherent surface	non-adherent gauze dressing, square, 10 cm	100
Vaseline gauze	paraffin gauze dressing, 10 x 10 cm, sterile	50
Bandage	elastic fixation bandage, 4 m x 6 cm	3

Category	Recommended Item	Quantity
Sterile compression bandages	first-aid absorbent gauze-covered cotton pad sewn into a cotton bandage (ambulance dressing), small/medium/large	5
Tubular gauze for finger bandage	tubular gauze bandage for finger bandage with applicator, 5 m	1
Adhesive elastic bandage	adhesive elastic bandage, 4 m x 6 cm	10
Triangular sling	triangular sling	5
Sterile sheet for burn victims	sterile sheet for burn patients	1
Honey or burn kit for dressing burns	1 kg	1
Adhesive sutures or zinc oxide bandages	adhesive tape, waterproof, skin-friendly, 5 x 1.25 cm	10
Q-tips	Q-tips (wooden)	100
Safety pins	safety pins (stainless steel) 12 pcs	50
Butterfly sutures	butterfly sutures, Steristrips® or Leukostrip®, sterile	20
Skin adhesive	2-octyl cyanoacrylate liquid, 0.5 ml	2
Suturing equipment	sutures, absorbable with curved non-traumatic needs, 1-O, 3-O, and 4-O or 5-O	10 each
Gloves	disposable examination gloves	10
	surgical gloves sizes, 6.5, 7.5, 8.5, sterile, in pairs	50
		3 of each size
INSTRUMENTS		
Disposable scalpels	scalpel, sterile, disposable	20
Stainless-steel instrument box	instrument box (stainless steel)	1
Scissors	operating scissors, straight (stainless steel)	1
	bandage scissors (stainless steel)	1
Forceps	splinter forceps, pointed (stainless steel)	3
	teeth tissue forceps (stainless steel)	1
Needle holder	needle holder, Mayo-Hegar, 1800 mm, straight	1
Haemostatic clamps	haemostatic clamp, Lahlstead mosquito, 125 mm, stainless steel	3
Disposable razors	razor, disposable	50
EXAMINATION AND MONITORING EQUIPMENT		
Disposable tongue depressors	tongue depressors, disposable	100
Reactive strips for urine analysis	reactive strips for urine analysis: blood/glucose/protein/nitrite/leukocytes, 50 paper strips	100
Microscope slides	microscope slides	100
Stethoscope	stethoscope	1
Aneroid sphygmomanometer	sphygmomanometer (blood pressure set), preferably automatic	1
Standard thermometer	thermometer, digital if possible	1
Rectal thermometer	thermometer, digital if possible	1
Hypothermic thermometer	thermometer 32°-34°, digital if possible	1
Penlight	penlight + blue cover	1
Magnifying glass	a x 8 loupe	1
Marker	waterproof indelible marker	1

Category	Recommended Item	Quantity
EQUIPMENT FOR INJECTION, INFUSION, AND CATHETERIZATION		
Equipment for injection	syringes, Luer connection, 2 ml, sterile, disposable	50
	syringes, Luer connection, 5 ml, sterile, disposable	50
	hypodermic subcutaneous needle, Luer connection, 16 x 0.5 mm, sterile, disposable	20
	hypodermic intramuscular needle, Luer connection, 40 x 08 mm, sterile, disposable	20
	needles, 19G, blunt, “drawing up” type	20
Equipment for infusion	intravenous infusion cannula 16G (1.2 mm) and 22G (0.8 mm), Luer-lock connection, sterile non-recap type	10 each
	intravenous giving set, Luer-lock connection, sterile	3
	tourniquet, blood-taking type to be used with intravenous infusion cannula	1
Bladder drainage equipment	penile sheath set with condom catheter, tube, and bag	2
	short-term urine catheter with soft-eye straight tip Thieman No. 12 and No. 16 or equivalent, sterile, individually packed, prelubricated or with additional lignocaine/chlorhexidine lubricant	2
	urine collecting bag and tube	2
GENERAL MEDICAL AND NURSING EQUIPMENT		
Eye protection	plastic goggles or full-face masks	2
Plastic apron	disposable	20
Kidney dish	kidney dish, stainless steel, 825 ml	2
Plastic backed towels	towels, plastic backed, absorbent 600 x 500 mm	10
Safety box	safety box for sharps disposal, 5 l	1
Mask	mask, duckbill type, disposable	50
Tape measure	tape measure, vinyl coated, 1.5 m	1
Draw sheets	draw sheet, plastic 90 x 180 cm	2
Bedpan	bedpan, stainless steel	1
Hot-water bottle	hot-water bag	1
Urine bottle	urinal, male (plastic)	1
Ice bag	cold/hot pack maxi	1
Aluminum foil blanker	aluminum foil blanket	1
Condoms	male condoms	100
Wash bottle	plastic wash bottles, 250 ml	1
Plastic bottle	bottle, 1 litre, plastic with screw top	3
Dressing tray	stainless steel dressing tray, 300 x 200 x 30 mm	1
Plastic apron	apron, protection, plastic, disposable	20
Bowl	bowl, stainless steel, 180 ml	3
Specimen jars	jars, plastic, with lids and labels, 100 ml	10
Plaster-of Paris bandage	bandages, POP, 5 cm and 10 cm x 2.7m	12 each
Stockinet	sizes for arm and leg splints, 10 m roll	1 each
Cotton wool	cotton wool roll, 500 g	10
Alcohol swabs	70 % alcohol swabs for skin cleansing prior to injection	200
Nail brush	nail brush	1
Thermometer for refrigerator	thermometer for refrigerator	1

Category	Recommended Item	Quantity
Mortuary transfer bag	mortuary transfer bag	1
IMMOBILIZATION AND TRANSPORTATION EQUIPMENT		
Malleable splints	malleable finger splint	1
	malleable forearm/hand splint	2
	malleable splint leg	2
Cervical ridge collar	cervical rigid collar variable size for neck immobilization	1
Stretcher	stretcher equipment allowing immobilization and crane or helicopter lifting	1

Appendix B – Publications, Forms, and Charts

Publications, Forms, and Charts to Be Carried

The following publications, forms and charts must be carried on board each vessel in the quantities indicated. The forms and charts may be electronic forms.

PUBLICATION, FORMS, AND CHARTS	QUANTITY Per Vessel
<i>International Medical Guide for Ships</i> (IMGS) (hard copy of most recent edition*)	1
<i>Quantification Addendum, International Medical Guide for Ships, 3rd Edition</i> , World Health Organization, 2010 (hard copy)	1
<i>Medical First Aid Guide for Use in Accidents Involving Dangerous Goods</i> (MFAG) (hard copy of most recent edition; carry if transporting dangerous goods)	1
Cards for telemedical advice (fill in before calling for radiomedical advice)	10 cards up to 40 persons 20 cards for 41-100 persons
Cards or charts for tracking temperature	10 cards up to 40 persons 20 cards for 41-100 persons
Ship Master's Report Form	10 cards up to 40 persons 20 cards for 41-100 persons
Injury and Illness Medical Record (MI-105MR)	10 cards up to 40 persons 20 cards for 41-100 persons
Medical logbook	1
Controlled drugs register	1

*A more up-to-date maritime medical guide, such as those listed below, may be substituted for the IMGS.

- The [Mariners Medico Guide app](#), developed by Gard and the Norwegian Centre for Maritime and Diving Medicine.
- *International Medical Guide for Seafarers and Fishers*, 1st Edition with the accompanying Ship's Medicine Chest publication, published by ICS.