

# Training Circular No. 9 of 2004

No: 11-TR(45)/2003

Dated: March 22, 2004

## Sub: Medical Care

Maritime safety and efficiency is of utmost concern to the Directorate General of Shipping(DGS), the constituted authority of the Government of India for all maritime affairs.

It was noticed that some training institutes barely met the minimum standards set by the Directorate, while other provided training facilities that were world class. In order to bring about uniformity of training, amenities and equipment provided by all, old guidelines were revised and new ones formulated. This was done by the DGS in consultation with the training institutes and employers (shipowners and manning agencies). Draft guidelines were displayed on the website of the DGS and comments invited from interested parties, regardless of the position or office held.

Meetings of interested parties were held and modification made to the draft guidelines. In keeping with Government policy, the guidelines have been made in as transparent manner as practicable. The final guidelines for **Medical care** is attached herewith.

It is expected that training institutes would follow these guidelines in letter and spirit. The above guidelines shall come into force w.e.f. 01.05.2004.

This issues with the approval of the Director General of Shipping and ex-officio Addl. Secretary to the Government of India.

Sd/-

(Naresh Salecha)

Sr.Dy. Director General of Shipping

### GUIDELINES FOR THE CONDUCT OF

### MEDICAL CARE COURSE

### ISSUED BY

### THE DIRECTORATE GENERAL OF SHIPPING

To avoid unnecessary repetition, reference has been made herein to DGS Order no: 1 of 2003 (Guidelines for the conduct of Pre-Sea Training courses for Merchant Navy) wherever appropriate.

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Annexure 1 - Additional equipment, etc

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## **MEDICAL CARE COURSE**

1. **BASIC DETAILS OF THE COURSE**
  1. Aims
  2. This course is designed for those designated to take charge of medical care on board ship and aims to meet the mandatory minimum requirements for knowledge, understanding and proficiency in Section A-VI/4 paras 4 to 6 and Table A-VI/4-2 of the STCW Code. This course is principally intended for candidates for certification as Chief Mates & Masters on sea going ships  
IMO Model Course 1.15 should be used in the preparation of the material for this course.  
Objectives:
  3. On successful completion of this course, the seafarer shall be able to take charge of medical care on board ship. The level of knowledge acquired shall be sufficient to enable the seafarer to take immediate effective action in case of accident or illness likely to occur on board ship.  
Application:
2. Compliance with these guidelines shall be mandatory for all institutes from 1st May 2004.
3. **QUALIFICATION & ELIGIBILITY OF STUDENTS**
  1. Entry standards:
  2. Certificate of competency as Officer in Charge of a Navigational Watch as per Reg. II/1 or Reg. II/1 (NCV) of STCW 1995.  
Required attendance:

3. 100% attendance is required for successful completion of the course. However, in exceptional circumstances, a student is allowed absence of up to one day subject to his attending the lectures missed out during the next course at the same institute. The institute shall keep proper records of such cases and intimate Chairman of respective Academic Council.  
Course intake limitations:
4. The number of students attending each session will depend on the availability of faculty members, the equipment and facilities available for conducting the course of training. However, the upper limit is 24 students per course
5. **INFRASTRUCTURE REQUIREMENT**
  1. Physical requirement for classroom, black/white boards, overhead projector, screen, notice board, faculty room, study environment, teaching equipment are to be provided as per DGS order 1 of 2003.
  2. The institute shall have a library-cum-reading room of not less than 36m<sup>2</sup> in area.
  3. Additional equipment, Training Aids, Video Cassettes/CDs/DVDs and publications, etc., required for this course are as per Annexure 1.
  4. The institute should have an authorisation letter from a reputed hospital for the candidates to make instructional visits to the hospital.
6. **COURSE DETAILS**
  1. Course duration: 10 days
  2. Course outline: As per Annexure 2
  3. Detailed teaching syllabus: As per IMO Model course 1.15
7. **HOLIDAYS**
  1. Sundays shall be holidays.
  2. Independence Day and Republic Day shall be compulsory holidays.
8. **FACULTY REQUIREMENT**
  1. Qualifications and experience of course in charge:
  2. MBBS Medical Practitioner OR  
Certificate of Competency as Master (FG) issued or recognised by Govt. of India  
Qualifications and experience of Faculty members
  3. MBBS Medical Practitioner  
Qualifications and experience of Instructors
  4. Duly qualified paramedic or  
Duly qualified nurse.  
Training of Trainers & Assessors Course:
  5. As per DGS Order no: 1 of 2003.  
Visiting faculty members:
  6. Qualifications and experience of visiting faculty members should be the same as that of regular faculty.  
Age limit for regular faculty members:
9. As per DGS Order no: 1 of 2003.
10. **FACULTY STRENGTH**
11. Not less than one MBBS medical practitioner.  
For demonstrations and practicals, there shall be one instructor for every eight students.
12. **COURSE DURATION**  
Education & practical training shall be of 60 hours duration.
13. **ASSESSMENT**  
The institute shall carry out continuous assessment of the students during the course and a final written, practical and oral assessment at the end of the course.
14. **QUALITY STANDARDS**  
As per DGS Order no: 1 of 2003.
15. **INSPECTIONS**  
As per DGS Order no: 1 of 2003.
16. **FEES TO GOVT.**

As per DGS Order no: 1 of 2003.

## TEACHING AIDS

### Equipment

- Ships medical chest with contents
- Various splints, braces etc.
- All different sizes and types of bandages and dressings
- Life-size dummy of torso for practical resuscitation training
- Resuscitator
- Neil Robertson Stretcher
- i.v. hand/arm for intravenous injections)
- Sphygmomanometers with stethoscope for recording blood pressure
- Foam and needles with suture material for suturing
- Surgical instruments for demonstration
- Various syringes, needles, Enema, catheters, urobags, nasogastric tubes,

### Publications

#### Video films/CDs/DVDs on the following:

Burns

Hazards of drugs

AIDS

Cardio-pulmonary resuscitation.

- ILO/IMO/WHO International Guide for Ships (IMGS)
- The Ship Captain's Medical Guide - MCA UK
- STCW'95 Convention
- META MANUAL VOL. I & II

## Annexure 2

# MEDICAL CARE COURSE

## Course Outline

Subject Area	HOURS	
	Practicals/Lecture	Exercises
General Principles	0.5	--
Body structure and functions	1.5	0.5
Casualty, Immediate action in case of casualty, position of casualty, unconscious casualty, bleeding, resuscitation, Management of shock, rescue and transportation of casualty	4	4
Toxicological Hazards aboard ships, Poisoning	2.0	0.5
Examination of patient	1.0	1.5
Spinal injuries	1.0	0.5
Fracture, dislocations and muscular injuries	1.0	1.0
Burns, scalds and accidents caused by electricity and effects of heat and cold	1.0	1.0
Medical care of rescued persons including distress, hypothermia, cold exposure	1.0	0.5
Radio medical advice	1.0	0.5
Pharmacology	3.0	--
Sterilization	0.5	1.0
Cardiac arrest, drowning and asphyxia	0.5	1.0
Management of acute abdomen conditions	1.5	1.0
Techniques of sewing & clamping Minor surgical procedures	0	1.5
Aspects of Nursing (Injection, BP)	2.0	0.5
Diseases of various systems; Tropical & infectious diseases, Prevention	4	0
STD, skin diseases, AIDS	2.5	0

<b>Alcohol &amp; drug abuse</b>	<b>2</b>	<b>0</b>
<b>Dental Care</b>	<b>1</b>	<b>1</b>
<b>Gynae, Pregnancy, Childbirth</b>	<b>2</b>	<b>0</b>
<b>Death at sea, Environmental control on board ship</b>	<b>1.5</b>	<b>0</b>
<b>Keeping of records, regulations</b>	<b>0.5</b>	<b>1</b>
<b>Hospital Visit</b>	<b>0</b>	<b>0.6</b>
<b>Assessment</b>	<b>1.5</b>	<b>0.5</b>
	<b>Total36.5</b>	<b>23.5</b>
<b>Total Course60 hrs</b>		