

## M.S. Notice 20 of 1998

**Subject : Indian Global Maritime Distress and Safety Systems (GMDSS) General Operator's Certificate (GOC)**

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**DIRECTORATE GENERAL OF SHIPPING**  
**MUMBAI**

**F.No.8-NT(1)/96-II**

**12<sup>TH</sup> November, 1998**

**Merchant Shipping Notice No. 20/98**

**SUB: INDIAN GLOBAL MARITIME DISTRESS & SAFETY SYSTEMS (GMDSS) GENERAL OPERATOR'S  
CERTIFICATE (GOC)**

### **1. INTRODUCTION:**

1.1 As per STCW Convention 1978, as amended in 1995 (STCW 1995), Merchant Shipping (Standards of Training, Certification and Watchkeeping) Rule 1998 and Merchant Shipping (Distress & Safety Communication) Rules 1995, every person in-charge of or performing radiocommunication function on board a ship, shall hold an appropriate certificate related to the GMDSS issued or recognised by the Administration under the provisions of the Radio Regulations framed under International Telecommunication Union (ITU).

1.2. In India, ITU Conventions are implemented by the Wireless Adviser to the Government of India in the Ministry of Communications (MOC). As such, the same ministry upon successful completion of approved examination issues GOC for GMDSS. However, STCW 95 requires that the said GOC Certificate shall carry a STCW Endorsement issued by the administration. The Director General of Shipping (DGS) implements STCW 95 Convention in India under Ministry of Surface Transport. Hence the STCW Endorsement for GOC will be issued by the DGS. To facilitate above, MOC & DGS conduct GOC examination jointly. Absence of STCW endorsement renders the GOC invalid for performing the Radio communication function on board a vessel. All Shipping Masters, Ship Owners, Agents and Seafarers are required to ensure that GMDSS (GOC) certificates carry STCW endorsement prior to joining the vessel as Radio Operator on GMDSS vessel.

### **2. GMDSS (GOC) EXAMINATION SCHEDULE:**

GMDSS (GOC) examination approved by Government of India has commenced since April 1997. This examination is conducted jointly by the Ministry of Communications and DG Shipping once every month. 20 to 21 such examinations are proposed to be held every year from 1999. The schedule of dates of the examinations to be conducted in 1999 and there after will be circulated in advance every year.

### **3. SYLLABUS.**

1. The syllabus of the GMDSS (GOC) Course is as per IMO Model Course No. 1.25. However, the approved GMDSS training institutions shall prepare and circulate handouts amongst the course participants based on the IMO Model Course before the commencement of the course. It is desirable that candidates procure these handouts well in

advance to update their knowledge prior to joining the course.

2. Course outline is enclosed in **Annex-I.**

#### **4. EXAMINATION PARTICULARS**

The examinations shall be conducted after completion of the course and results thereof declared immediately after the examination. Provisional Certificates are issued immediately to successful candidates. It is intended to issue a full term certificates within 15 days from the date of issue of the provisional certificates. Backlog of issue of full term certificates to all candidates who have already passed the GMDSS (GOC) examinations and not issued with full term certificates is expected to be completed by end of November 1998. Approved institutions generally conduct the 90 hours course spread over ten working days. This schedule may be amended from time to time as jointly agreed by MOC and DGS.

#### **5. EXAMINATION PATTERN:**

The examinations are conducted in two parts -

5.1 Part I consist of written examination including Regulation/Theory and SOLAS.

- a. Part I : SOLAS 30 marks

Regulations/Theory 30 marks

Duration of the above examination is 1 hour.

Passmarks required are 60 %.

5.2 Part II consists of Log Keeping and Practicals. The candidates are required to qualify in Part I to be eligible for appearing in Part II of the examination.

After passing in Part I, candidate can appear for two re-sits within one year.

- a. Part II : Log Keeping (Commercial working) 30 marks

Practicals/Orals 70 marks

Passmarks required are 70 %.

Model question paper is enclosed as **Annex II.**

#### **6.FEES:**

1. Rule 50, Schedule 1(d), of Merchant Shipping (STCW) Rules 1998 dealing with Radio Communications requires that the candidate is to pay Rs.500/- for each part i.e. written and oral examination, i.e. total of Rs1000/-.
2. Fees is to be charged separately by following authorities.

They are as under:

i) Ministry of Communication GMDSS (GOC) examination fees Rs.500/- or as amended from time to time.

ii) Directorate General of Shipping fees Radiocommunication function written Rs. 500/- and orals Rs. 500/-  
i.e. Total of Rs.1000/-

[as per Rule 50 Schedule Fees 1. (d) or as amended from time to time.]

6.3 All GMDSS ('GOC') approved training institutions shall collect the above mentioned fees in advance at the time of application from all candidates appearing in the examinations. Fees of Rs.1000/- per candidate collected for Radio Communication function shall be deposited by the Approved Institutions to the Principal Officer, Mercantile Marine Department of the respective district by Demand draft / Pay Order drawn in the name of Principal Officer, Mercantile Marine Department. Fees shall be deposited along with a duly completed form in the prescribed format enclosed as **Annex III.**

#### **7. APPROVED TRAINING INSTITUTIONS:**

7.1 The GMDSS (GOC) Certificate Course is being conducted presently at the following approved training

institutions listed in **Annex IV**

7.2 Details of other institutions as approved from time to time will be circulated. The permission to conduct GMDSS (GOC) training to the approved institutions may be suspended / withdrawn, if it is observed that the guidelines as laid down by MOC/DGS and as amended from time to time are not complied with or there is frequent discontinuity in conducting the course as per schedule prescribed by MOC/DGS.

**8. ELIGIBILITY TO APPEAR:**

Any candidate who is holding a valid Certificate of Competency issued by DGS or Certificate of Proficiency issued by MOC can appear for the GMDSS (GOC) Examination except as provided in para 11. Eligibility criteria for other candidates are laid down in the MOC guidelines, which may be obtained from any of the approved institutions.

**9. ELIGIBILITY FOR FOREIGN NATIONALS:**

Foreign nationals holding Certificate of Competency, Certificate of Proficiency or meeting other eligibility criteria as laid down in MOC guidelines are also permitted to appear at the GMDSS (GOC) Examination subject to their submitting their particulars in the prescribed form as issued by MOC. Provisional certificates will be issued to the successful foreign nationals immediately after the declaration of the results but the full term certificate will only be issued on MOC obtaining clearance from the Home Ministry which may take upto three months.

**10. RECOGNITION OF UK CERTIFICATES**

Suitable guidelines will be issued by the DG Shipping in consultation with the Wireless Planning and Co-ordination (WPC) Wing of Ministry of Communications detailing the procedure for recognition of U.K. Certificates.

**11. ISSUE OF GMDSS CERTIFICATES TO NCV CERTIFICATE HOLDERS**

The NCV candidates may attend the GMDSS (GOC) course and appear for the examination on the basis of a declaration issued by the head of the Post-Sea Institute in which they are undergoing education and training for appearing in NCV certificate examination. The said declaration should confirm that the candidate is eligible for appearing in the said NCV examination. The candidates who qualify in the GMDSS (GOC) examination will be issued with provisional certificate. However, full term certificates will be issued only after the candidate has obtained NCV Certificate of Competency.

**12. ISSUANCE OF STCW ENDORSEMENT FOR GMDSS CERTIFICATE**

Article VI(2) of STCW 95 prescribes that the certificates for master and officers shall be endorsed

**13. STCW 1995 ENDORSEMENT:**

In accordance with Regulation I/2.3 of STCW 95, it has been decided by Indian Administration that every "Radio Operator" holding GMDSS Certificate will be required to undergo following courses to obtain STCW 1995 endorsement:

13.1 Personal safety and Social Responsibilities as per A-VI/1-4

13.2 Proficiency in Survival Craft and Rescue Boat as per A-VI/2-1.

13.3 Advance Fire Fighting Course as per A-VI/3.

13.4 Medical First Aid as per A-VI/4-2.

Every such Radio Operator complying with the above requirements shall apply for issue of above STCW Endorsement in a prescribed format as per **Annex V**, to the Principal Officer, Mercantile Marine Department Mumbai / Calcutta / Chennai. The concerned Principal Officer shall issue such endorsement for a period not exceeding five years.

**14. STCW 1978 ENDORSEMENT:**

For obtaining STCW 1978 endorsement every radio operator holding GMDSS Certificate is required to undergo following courses.

14.1.1. Personal safety and Social Responsibilities as per A-VI/1-4

14.1.2. Proficiency in Survival Craft

14.1.3. Advance Fire Fighting Course.

14.1.4. First Aid at sea.

Every such Radio Operator complying with the above requirements shall apply for issuance of above STCW Endorsement Certificates in a prescribed format as per **Annex V**, to the Principal Officer, Mercantile Marine Department Mumbai / Calcutta / Chennai. The Principal Officer shall issue such STCW 1978 endorsement which shall not be valid beyond 31/01/2002.

14.2 Application for STCW endorsement can be submitted to Principal Officer through the owners or local agents. Application should contain a copy of all relevant certificates / documents as enclosures. Such copies are required to be authenticated by Indian Master of the vessel giving his certificate No. and place of issue or by an Indian owner, an agent of foreign shipowner based in India or by a Member of FOSMA or MASSA. The Applicant may arrange to pay the requisite fees to Principal Officer for such endorsement.

14.3 The applicant may authorise any of said representative as stated in para 14.2 to collect the endorsement on his behalf for onward delivery. On receiving the endorsement the candidate shall immediately affix his signature on the endorsement. It is essential that the candidate's signature on the said endorsement and that on the application for endorsement should match with his signature as entered on GMDSS (GOC) Certificate.

#### 15. Continued Proficiency for STCW 1995 Endorsement.

In addition every Radio Operator for continued proficiency for STCW 95 endorsement is required to produce following.

15.1. Medical fitness Certificate, particularly regarding eyesight, hearing and speech.

15.2.1 Approved seagoing service, performing functions appropriate to the certificate held, for a period of at least one year in total during the preceding five years; OR

15.2.2 Having performed functions considered to be equivalent to the sea going service required in para 15.2.1; OR

15.3 One of the following:

15.3.1 Passing an approved test, OR

15.3.2 Successfully completing an approved course or courses, OR

Having completed approved sea going service, performing functions appropriate to the certificate held, for a period of not less than 3 months in a supernumerary capacity.

#### **16. ELIGIBILITY TO OPERATE GMDSS EQUIPMENT:**

Every Radio Operator holding GMDSS (GOC) Certificate and STCW endorsement, shall before taking charge of a radio installation on board the ship shall perform duties associated with radio watch keeping and maintenance under the guidance of a qualified radio operator for a total period of at least 30 days at sea.

Sd/-  
(Capt. M. M. Saggi)  
Dy Nautical Adviser to the Govt. of India (I/c)

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1.

**ANNEXURE - I**

#### **COURSE OUTLINE**

- i. Principles and basis features of the maritime mobile service.

- ii. Principles and basic features of the maritime mobile-satellite service.
- iii. Global Maritime Distress and Safety System (GMDSS)
- iv. Purpose and use of Digital Selective Calling (DSC) facilities.
- v. General principles of Narrow-Band Direct Printing (NBDP)
- vi. Knowledge and use of Inmarsat systems.
- vii. Knowledge and practical use of ship station equipment.
- viii. Fault location and rectification on marine electronic equipment.
- ix. Emergency Position-Indication Radio Beacons (EPIRBs).
- x. Search and Rescue Radar Transponder (SART)
- xi. Maritime Safety Information (MSI) services.
- xii. Search and Rescue (SAR) operation.
- xiii. GMDSS terrestrial Distress, Urgency and Safety communication procedures.

xiv) GMDSS satellite Distress, Urgency and Safety communication Procedures.

- xv. Ability to use the English language, written and spoken, for the exchange of communication relevant to the safety of life at sea.

xvi.

## **ANNEXURE - II**

### GOVERNMENT OF INDIA G.O.C.

#### PART I

Q. 1. A GMDSS VESSEL TRADING EXCLUSIVELY IN SEA AREA A1 MUST HAVE:

- A) a 406 MHz EPIRB. B) a 1.6 GHz EPIRB. C) either a 406 MHz or a L band EPIRB.
- D) a 406 MHz EPIRB or an L band EPIRB or a VHF EPIRB...

Q. 2. A RADIO TELEPHONE SHIP STATION CALLING A STATION WHICH DOES NOT REPLY MAY REPEAT THE CALL:

- q. at 6 mins interval b) at 3 mins intervals c) following the next silence period
- d) only if it hears the station called..

Q. 3. THE RADIOTELEPHONE PUBLIC CORRESPONDENCE SERVICE ON SHIPS SHOULD IF POSSIBLE BE OPERATED:

- q. on a simplex basis b) in H3E mode c) on duplex basis d) by a suitably certificated person

Q. 4. DIALING THE CODE OO BEFORE A TELEX NUMBER WHEN PLACING A SATCOMM CALL MEANS:

- q. National operator required b) international operator required c) the call duration required is 5 mins. D) automatic operation required...

Q. 5. IDENTIFY THE SHIPS STATION SELECTIVE CALL NUMBER:

- q. 55541 b) 321 c) 4792 d) 541555.

Q. 6. IN THE BANDS 1605 KHZ TO 4000 KHZ, DSC CALLS AND ACKNOWLEDGEMENTS BY SHIP STATIONS SHALL BE LIMITED TO A MEAN POWER OF:

- q. 25 watts b) 4 watts c) 400 watts d) 40 watts.

Q. 7. WHEN CALLING A VHF COAST STATION WHICH MONITORS MORE THAN ONE CHANNEL, THE CALLING STATION:

- q. calls on each channel in turn b) repeats the call frequently until answered
- c. indicates the channel being used in the call d) calls on channel 16..

Q. 8. THE MAXIMUM DURATION OF "TEST SIGNALS" IN THE TERRESTRIAL SERVICE IN ORDER TO MINIMISE INTERFERENCE TO NEIGHBOURING STATION IS:

- q. 30 seconds with IDENT b) 10 seconds with IDENT c) 20 seconds with IDENT

d) 10 seconds without IDENT...

Q. 9. WHEN COAST STATION HAS BEEN CALLED ON A WORKING FREQUENCY HE WILL NORMALLY REPLY ON:

q. 2182 khz b) the same, or paired, working frequency c) 2191 khz d) 2381 khz..

Q. 10. WHICH OF THE FOLLOWING IS THE CORRECT FORM OF ADDRESS FOR A TELEGRAM IN THE SHORE TO SHIP DIRECTION?

q. Master, Benloyal, Bombay Radio b) Master, Benloyal, c) Master Benloyal, Benline Shipping Co. d) Master, Benloyal, Indian Ocean.

Q. 11. IN COMMUNICATIONS BETWEEN COAST STATION AND SHIP STATIONS:

q. The Coast Station controls the communication. b) The Ship Station controls the communication c) Decisions are made by either station d) The calling station controls the communication

Q. 12. IDENTIFY THE CORRECT CHANNEL DESIGNATOR NUMBER FOR DSC IN THE VHF BAND 156 MHZ - 174 MHZ FOR CALLING PURPOSES:

q. Ch 16 b) Ch 06 c) Ch 67 d) CH 70.....

Q. 13. WHAT IS THE MINIMUM CHARGING PERIOD FOR A TERRESTRIAL RADIOTELEPHONE LINK CALL:

q. 5 minutes b) 1 minute c) 3 minutes d) 2 minutes.....

Q. 14. TIMES OF TRANSMISSION OF TRAFFIC LISTS IS PUBLISHED IN:

q. List of Call Signs b) List of Special Stations c) List of Coast Stations

d. List of Ship Stations.....

Q. 15. AN INMARSAT AUTOMATIC SHIP TO SHIP TELEPHONE CALL IS REQUIRED, FOR A SHIP OPERATING IN IOR WITH SES ID OF 2345678. SELECT APPROPRIATE COMMANDS TO KEY IN TO THE SATCOM TERMINAL:

q. 11 872 2345678 # b) 00 871 2345678 # c) 00873 2345678# d) 00 5783 2345678 #.....

Q. 16. WHEN A SHIP IS CALLED BY A COAST STATION ON 2182 KHZ, THE SHIP STATION SHOULD REPLY:

q. On 2182 khz, unless otherwise instructed b) On 2191 khz, unless otherwise instructed

c) On a working frequency, unless otherwise instructed d) On the Coast station calling freq.

Q. 17. IN THE MOBILE MARITIME BAND BETWEEN 156 MHZ AND 174 MHZ. THE CARRIER POWER OF THE SHIP STATION TRANSMITTER SHALL NOT EXCEED:

q. 5 Watts b) 25 Watts c) 15 Watts d) 50 Watts.....

Q. 18. THE AAIC IN THE PREAMBLE OF A TELEGRAM IS THE"

q. Atlantic air information centre b) Automatic alarm indicating circuit

c. Ships accounting authority d) American Amver Information Centre.....

Q. 19. WHEN USING BROADCAST MODE, NARROW BAND DIRECT PRINTING TELEGRAPHY, THE OPERATOR SHOULD SELECT:

q. A1A b) ARQ c) FEC d) A2A.....

Q. 20. WHICH OF THE FOLLOWING IS THE PRIMARY INTERSHIP COMMUNICATION CHANNEL IN THE VHF BAND ?

q. Ch 70 b) Ch 12 c) Ch 06 d) Ch 16 .....

Q. 21. WHICH OF THE FOLLOWING IS NOT SHOWN ON THE SHIP'S LICENCE ?

q. Classes of Emission b) Public Correspondence category c) List of batteries

d. Transmission frequencies.

Q. 22. IF A SHIP STATION RECEIVES A CALL WITHOUT BEING CERTAIN THAT SUCH A CALL IS INTENDED FOR IT :

- q. It shall reply immediately asking for a repetition of the call.
- r. it shall not reply until the call has been repeated and understood.
- s. It shall ask other ships in the area if they heard the call.
- t. It shall ask the nearest coast station for assistance.....

Q. 23 CALLS AND SIGNALS PREPARATORY TO TRAFFIC, MADE ON EITHER 2182 KHZ OR 156.8 MHZ EXCEPT FOR DISTRESS, URGENCY OR SAFETY:

- q. Should not exceed 30 seconds.
- r. Should not exceed 1 minute.
- c. Should not exceed 2 minutes.
- d. Should not exceed 90 seconds. ....

Q. 24. INFORMATION REQUIRED IN SECTION (A) OF THE RADIOTELEPHONE LOG BOOK INCLUDES;

- a) List of all radio equipment on board. b) List of batteries carried. c) Master name and address.
- d) Radio operator(s) name(s) and home address(es). ....

Q.25. A GMDSS SHIP, SAILING IN ALL SEA AREAS EXCEPT A4, MUST HAVE

A) a 406 Mhz EPIRB. B) a 1.6 GHz EPIRB. C) either a 406 MHz or a 1.6 GHz EPIRB

D) a VHF EPIRB, a 406 MHz EPIRB and an L band EPIRB.....

Q. 26. TRANSMISSIONS IN THE 406 - 406.1 MHZ BAND ARE MADE BY:

- q. Lifeboat handed communications equipment.
- r. Aircraft communications equipment.
- c. Cospas - Sarsat EPIRBs.
- d. Radar. ....

Q. 27. ON A PASSAGE FROM SOUTHAMPTON TO RIO DE JANEIRO, CALLS TO GOONHILLY LES SHOULD BE MADE VIA THE :

a) POR Satellite b) AOR EAST Satellite c) IOR Satellite

d. AOR WEST Satellite.

Q. 28. COMMUNICATIONS IN THE PORT OPERATIONS SERVICES ARE RESTRICTED TO:

- q. Public correspondence only. b) Intership communication.
- c) Operational handling, movements and safety of ships or in an emergency, safety of a person.

Q. 29. WHEN TESTING A TRANSMITTER A SHIPS OPERATOR SHOULD:

- q. Use full power with an artificial aerial.
- r. Use low power with the normal aerial connected.
- c. use minimum power and an artificial aerial.
- d. Use the normal aerial but with medium power selected. ...

Q. 30. IN SATELLITE COMMUNICATIONS, IF YOU WISH TO CLEAR A CALL, KEY IN:

- q. Figure shift .. (5 commas). b) XXXXX (5 letter X's)
- c) Carriage return line feed x 5. d) Figure Shift .. (5 full stop)

Q. 31 YOU ARE A GMDSS VESSEL M.V. JAG PRAKASH/ATKZ WHICH IS IN POSN 455 KM SOUTH OF DURBAN. YOU OBSERVE 12 BLIPS ON THE RADAR. AT 12 NM YOU SEE A LIFE RAFT.

- q. State the initial action you will take and on which frequency ?
- b. Write down the call/message you will then send and on which frequency:
- c. 32. YOUR VESSEL M.T. BHARTIDASAN/VTTR IN POSN 18 00N 070 05E.

YOU HAVE AN EXPLOSION ON BOARD AND TAKING IN WATER. YOU

REQUIRE IMMEDIATE ASSISTANCE.

WRITE DOWN THE SIGNALS AND MESSAGE YOU WILL SEND USING MFR/T.

Q. 33. A) WHAT DOES THE DISTRESS ALERT INDICATE:

- A. WHAT DOES THE URGENCY ALERT INDICATE:
- C. ON WHICH MF FREQUENCY WILL YOU SEND THE DISTRESS/URGENCY ALERT:
- D. WHAT IS THE SAFETY SIGNAL:
- E. WHAT DOES THE SAFETY SIGNAL INDICATE:

Q. 34. A) WHICH MF DSC FREQUENCY WILL YOU USE TO CALL SINGAPORE RADIO?

- A. ON WHICH MF DSC FREQUENCY WILL YOU CALL ANOTHER VESSEL?
- A. WHAT ACTION WILL YOU TAKE ON RECEIPT OF AN URGENCY/SAFETY ALERT?
- B. STATE THE FIRST STEP YOU WILL TAKE TO MAKE A TELEPHONE CALL USING INMARSAT 'C'?
- C. WHEN IS THE TERM 'PRUDENCE' USED?

Q. 35. A) STATE A SITUATION UNDER WHICH A SHIP STATION MAY TRANSMIT A DISTRESS MESSAGE ON BEHALF OF ANOTHER VESSEL?

- A. GIVE AN EXAMPLE OF A RADIOTELEPHONY RELAYED DISTRESS CALL?
- A. WHAT INFORMATION SHOULD BE CONTAINED IN A DISTRESS ALERT RELAY?
- B.

#### COMMERCIAL WORKING SECTION PART II

##### EXERCISE SCENARIO

(INSTRUCTOR ACTS AS THE SHIP IN DISTRESS OR A COAST STATION SENDING THE DISTRESS ALERT RELAY ; IN THE EXAMPLE QUOTED BELOW, INSTRUCTOR WILL BE WORKING AS M.V. AKBAR/ATIS.

(CANDIDATES WILL WORK AS SHIP STATIONS IN THE NEAR VICINITY OF THE OCCURRENCE OF DISTRESS. EACH CANDIDATE WILL BE DESIGNATED A SHIP'S NAME, CALL-SIGN AND MMSI NUMBER).

INSTRUCTOR : M.V. AKBAR/ATIS MMSI 419052000 IS IN DISTRESS IN POSN 10.55 NORTH 065.45 EAST AT 11:50 UTC. THE VESSEL SENDS OUT A DSC DISTRESS ALERT ON 2187.5 KHZ, WITH NATURE OF DISTRESS AS "FLOODING" AND REQUEST FOR SUBSEQUENT COMMUNICATION ON R/T (H3E).

CANDIDATES: 1. M.V. RANI PADMINI/ ATAA MMSI 419055000

- 1. M.V. C. V. RAMAN / ATCV MMSI 419051000
- 1. M.V. B.R.AMBEDKAR/VTKK MMSI 419054000
- 2. M.T. RISHIKESH/ATKK MMSI 419043000
- 3. M.T. TIRUMALAI/ATVZ MMSI 419060000
- 4. M.V. LOK PREM/VWDF MMSI 419044000

#### PRACTICAL/ORAL TEST SECTION B PART II

##### WPC 1 EXAMINER

##### INMARSAT "A"

DEMONSTRATE THE INITIAL SETTING UP OF THE TERMINAL

SELECT A PARTICULAR OCEAN AREA/LES/SHIP EARTH STATION

TRANSMIT A ROUTINE CALL BY TELEPHONE/TELEX.

LOGIN/LOGOUT FUNCTIONS

TRANSMIT UNDESIGNATED/DESIGNATED DISTRESS ALERT.

PROGRAM EGC FOR SHIP'S POSN

##### TELEX:

TUNE THE TX/RX FOR PROPER TELEX OPERATION

EXPLAIN USE OF FEC/ARQ MODE.

##### WPC 2 EXAMINER

##### VHF TRANSCEIVER



SELECT INTERNATIONAL DISTRESS/CALLING CANNEL

EXPLAIN DIFFERENT FUNCTIONS EG. SQUELCH, VOLUME CONTROL,DUAL WATCH,ADJUST POWER OUTPUT OF THE TRANSMITTER.

MAIN MF/HF TRANSCEIVER

TUNE BOTH TX/RX ON 2182 KHZ.

EXPLAIN ALARM SIGNAL /TEST ALARM GENERATOR.

USING DOCUMENTS SELECT CORRECT R/T FREQS FOR COMM WITH COAST STATIONS.

ADJUST TRANSMITTER POWER./EXPLAIN FUNCTION OF AGC.

GENERAL ABILITY

RATING OF FUISES

TYPES OF ANTENNAS

FREQUENCIES OF OPERATION OF DIFFERENT EQUIPMENT.

BATTERY SUPPLY VOLTAGES/MAINTENANCE.

DGS EXAMINER

NAVTEX RECEIVER:

USING DOCUMENTS SELECT A PARTICULAR COAST STATION SENDING MSI INFORMATION.

DEMONSTRATE HOW TO CHANGE PAPER-ROLL/SELF TEST.

DSC EQUIPMENT:

TRANSMIT UNDESIGNATED DISTRESS ALERT/DESIGNATED DISTRESS ALERT.

INPUT POSN, TIME, DATE

MAKE A ROUTINE CALL TO A PARTICULAT SHIP STATION/COAST STATION USING APPROPRIATE FREQS.

EPIRB/SART:

INDICATE THE FREQUENCIES

TRANSMIT TEST SIGNAL.

MAINTENANCE REQUIRED FOR EPIRB/SART ON BOARD

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**ANNEXURE ♦ III**

To:  
The principal Officer  
Mercantile Marine Department  
Mumbai / Calcutta / Chennai

Sub: Fees for Radio Communication Function as per

Rule 50 Schedule 1 (d) of STCW Rules, 1998

Name of Centre :

Place Mumbai / Calcutta / Chennai /New Delhi\*

Date of Examination :

Sir,

Following candidates appeared for above examination held at our above centre on above date:

S.No.	Name	Rank	Amount

		TOTAL	

Enclosed please find a Demand Draft / Pay Order drawn in your favour for Rs..... (Rupees ..... ) No.  
..... Dated ..... drawn on ..... Branch..... at .....

Yours faithfully,

Signature:.....

Name.....

Organisation: .....

\* Delete as appropriate

#### **ANNEXURE-IV**

Approved GMDSS GOC Training Institutions.

<b>S. No.</b>	<b>Name of the Institution</b>	<b>Address</b>	<b>Telephone No.</b>	<b>Fax No.</b>
1.	The LBS College of Advanced Maritime Studies & Research	Hay Bunder Tank road Sewri, MUMBAI 400 033	022-3719944 022-3738048	022-3739784
2	The Maritime Training Institute	52-C, Adi Shankaracharya Marg, Powai, MUMBAI 400072	022-5701504 022-5701431 022-5701342	022-5700338
3	Royal Telegraph Training Institute	34, Sukumar Agraharam Street, Chintadripet CHENNAI	044-835514	
4	Training Ship "Rahman"	C/o Sir Mohamed Yusuf Seamen Welfare Foundation Jahaz Mahal, Samander Mahal, Worli, MUMBAI 400 018	022-4938740 022-4933324 022-7212236 022-7212288	022-7212201
5	Academy of Maritime Education & Training	3/4/5, Ambedkar Street Gandhi Nagar, Saligram CHENNAI 600093	044-4844568 044-4847617	044-4841622 044-8250550
6	The Indian Maritime College	14-A, Masilamani street T. Nagar CHENNAI 600 017	044-4342839 044-4344482	044-4343772
7.	Seacom Marine College	11, Kendua Main Road Baishnabghata Garia CALCUTTA-700084	033-4620749 033-4629308	033-4629308
8	FOSMA Maritime Institute	F-322-A, Adaarsh Estate Lado Sarai NEW DELHI-110030	011-6525911 011-6528469 011-6528433	011-6527975

#### **ANNEXURE-V**

Dated

The Principal Officer  
Mercantile Marine Department  
Mumbai / Calcutta / Chennai

Sub: Application for STCW Endorsement of GMDSS (GOC) Certificate

Name			
CDC No		Passport No	
GMDSS (GOC) Prov. Cert.		No. _____ Valid till _____	
GMDSS (GOC) Certificate		No	
		Valid till	
Examination passed		Place	
		Date	
Last Endorsement		No	
		Date	
		Place	
Medical Fitness for Sea Certificate In ILO Format.		Valid (Yes/No)	

Requirements for STCW 1995 Endorsement

S.No	Certificates	Number	Date of issue	Issuing Authority.
1	PSSR			
2	Proficiency in Survival Craft and Rescue Boat			
3	Advanced Fire Fighting			
4	Medical First Aid			

Requirements for STCW 1978 Endorsement.

S.No	Certificates	Number	Date of issue	Issuing Authority.
1	PSSR			
2	Proficiency in Survival Craft			
3	Advanced Fire Fighting			
4	First Aid at Sea			
5	Sea Service for the last five years.  (To verify compliance with requirements of para No. 15)			

Sea Service in last 5 years to comply with requirement of Para 15 and/or 16

S. No	Name of Ship.	Off. No.	Port of Registry	Type of Ship	Capacity served	Period of Service From To	Re-marks


(a) I hereby declare that I comply with the requirement for endorsement under STCW 1978 as amended in 1995 as issued under M.S. Notice No. 20 of 1998.

(b) I also declare that no inquiry under Marine Casualty is pending against me.

Signature of Candidate

In box 1 and 2.

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*For office use only.*

*Service and other eligibility conditions have been verified in accordance with M.S. Notice No. 20/98 and STCW 95\*  
Endorsement No. ....has been issued in approved format valid till .....*

Principal Officer.  
Mercantile Marine Department.

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\*Delete as applicable.

# This signature should be cut and pasted in the office copy of endorsement, if the candidate is not present at the time of delivery.

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**ANNEXURE VI**

Sr. No..... GOVERNMENT OF INDIA  
STCW ENDORSEMENT FOR GMDSS CERTIFICATE

*ENDORSEMENT ATTESTING THE ISSUE OF A CERTIFICATE UNDER THE PROVISIONS OF THE INTERNATIONAL CONVENTION ON STANDARDS OF TRAINING, CERTIFICATION AND WATCHKEEPING FOR SEAFARERS 1978, AS AMENDED IN 1995.*

The Government of India certifies that GMDSS(GOC) Certificate No:.....has been issued to..... who has been found duly qualified in accordance with the provisions of Regulation IV / 2 of the above Convention as amended, and has been found competent to perform the following functions, at the levels specified, subject to any limitations indicated until (not exceeding 5 years from the date of issue) ..... or until the date of expiry of any extension of the validity of this endorsement:

FUNCTION	LEVEL	LIMITATIONS (IF ANY)
RADIOCOMMUNICATION	OPERATIONAL	

ENDORSEMENT NO.:..... ISSUED ON..... AT.....

Date and place of birth of the holder of the certificate .....

Signature of the holder of the certificate :.....

PRINCIPAL OFFICER  
MERCANTILE MARINE DEPARTMENT  
NAME OF OFFICIAL

*N.B. 1. This endorsement shall cease to be valid on expiry of GMDSS (GOC) Certificate*

*2. The original of this certificate must be kept available while serving on a vessel.*

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