

# RECORD OF SAFETY RADIO EQUIPMENT FOR GMDSS SHIPS CARGO SHIP / PASSENGER SHIP <sup>(1)</sup>

Under the provisions of the International Convention for the Safety of Life at Sea, 1974, as amended,  
for ships required to fully comply with the GMDSS requirements.

**(This form must be kept on board and be available for inspection by a nominated Surveyor at all times)**

Name of Ship	Port of Registry	Gross Tonnage	Date Keel Laid	IMO Number

Distinctive number or letters:		ID for DSC (VHF):	
Selcall No. for NBDP:		ID for DSC (MF/HF):	
1 <sup>st</sup> ID for INMARSAT – A/B:		ID for DSC (MF):	
2 <sup>nd</sup> ID for INMARSAT – A/B:		1 <sup>st</sup> ID for INMARSAT – C:	
ID for Satellite EPIRB:		2 <sup>nd</sup> ID for INMARSAT – C:	

Sea area in which vessel is certified to operate: <input type="checkbox"/> A1 <input type="checkbox"/> A1 + A2 <input type="checkbox"/> A1 + A2 + A3 <input type="checkbox"/> A1 + A2 + A3 + A4
Maintenance Requirements (check all that apply): <input type="checkbox"/> Duplication of equipment <input type="checkbox"/> Shore-based maintenance <input type="checkbox"/> At-sea maintenance

This form has been completed by a Radio Technician belonging to a Society or approved as subcontractor by PMDS The informations contained in this record is a correct description of the Safety Radio Equipment on board.	
Date: ..... Port and country of issuance: ..... ..... PMDS Surveyor No.: ..... Surveyor's Name and Signature: ..... ..... .....	Date: ..... Port and country of survey: ..... ..... Name and Signature of Radio Technician: ..... ..... Company: ..... .....

(1) Delete as Appropriate

**1. GENERAL REQUIREMENT FOR RADIO INSTALLATION (IV/6)**

Yes No NA

1.1	Are all radio controls for operating the radio installation adequately illuminated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.2	Are the vessel's call sign, ship station identity, and other codes, as applicable, for use of the Radio station posted?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.3	Is the radio installation(s) protected from adverse environmental conditions?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.4	Is the radio installation(s) so located that no harmful interference affects its use and so located to ensure the greatest possibility of operational availability	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.5	Are radio logs and the latest edition of radio regulations provided?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.6	Are spare parts and tools available?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.7	For "at sea maintenance", are additional technical documentation, tools, measuring equipment & spare parts available?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.8	Facilities for bridge wings communications:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.9	Is the antenna fitted as high as possible, sufficiently separated from other antennas, and fitted in such a position that no obstacles significantly degrade its performance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.10	In the case of INMARSAT-A or other tracking antenna, is there a means for ensuring continuous supply of ship's heading information?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**2. MAIN SOURCE OF ELECTRICAL POWER (IV/13.1)**

	Voltage (in V)	Capacity (in KVA)	Sets (Quantity)
1.			
2.			

**3. RESERVE SOURCE OF ENERGY (battery type) (IV/13.2)**

Make and Type	Voltage (V)	Capacity (in Ah)	Location

3.1	Operating hours:			
	1 hour or	<input type="checkbox"/>	YES	<input type="checkbox"/>
		<input type="checkbox"/>	NO	<input type="checkbox"/>
	6 hours	<input type="checkbox"/>	YES	<input type="checkbox"/>
		<input type="checkbox"/>	NO	<input type="checkbox"/>
		<input type="checkbox"/>	NA	<input type="checkbox"/>

3.2	Equipment operated by reserve source of energy:	Yes	NO	NA
	Electrical lighting of radio control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	VHF radio installation of primary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	VHF radio installation of duplicated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	MF radio installation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	MF/HF radio installation of primary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	MF/HF radio installation of duplicated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	INMARSAT SES of primary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	INMARSAT SES of duplicated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.3	Battery charger:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Make and type:			
	<input type="checkbox"/> Automatic			
	<input type="checkbox"/> Manual			
	<input type="checkbox"/> Full charge current: ..... (Ah)			

**4. EMERGENCY SOURCE OF ELECTRICAL POWER (IV/13.1 and II-1/42,43)**

Source	Voltage (V)	Capacity (KVA)	Sets (Quantity)	Location
Generator				
Battery (*)				

(\*)Reference is made to regulations II – 1/42.3.2 and 43.3.2 if the emergency source is an accumulator battery  
(Do not confuse this item with the reserve source of energy in item 3 of this record.)

Equipment operated by emergency source of electrical power for:  36 hours  18 hours (\*\*)  
(\*\*)Cross as appropriate (36 hours for passenger ships, 18 hours for cargo ships)

		Yes	NO	NA
4.1	VHF radio installation of primary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	VHF radio installation of duplicated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.2	MF radio installation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.3	MF/HF radio installation of primary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	MF/HF radio installation of duplicated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.4	INMARSAT SES of primary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	INMARSAT SES of duplicated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**5. COMPOSITION OF RADIO INSTALLATION (check off all boxes that apply) (IV/8, 9,10, 11 & 15)**

5.1	Primary system	<input type="checkbox"/> VHF	<input type="checkbox"/> MF	<input type="checkbox"/> MF/HF	<input type="checkbox"/> INMARSAT SES
5.2	Duplicated system	<input type="checkbox"/> VHF	<input type="checkbox"/> MF/HF	<input type="checkbox"/> INMARSAT SES	
5.3	Secondary means of alerting (IV/8.1, 9.1.3, 10.1.4, 10.2.3)	<input type="checkbox"/> VHF (DSC)	<input type="checkbox"/> MF (DSC)	<input type="checkbox"/> HF (DSC)	<input type="checkbox"/> INMARSAT -A/B
		<input type="checkbox"/> INMARSAT-C	<input type="checkbox"/> VHF EPIRB	<input type="checkbox"/> 496 mHz EPIRB	<input type="checkbox"/> INMARSAT EPIRB

**6. RADIO EQUIPMENT PRIMARY AND DUPLICATED SYSTEM (IV/7, 8, 9, 10 & 11).**

**6.1 VHF radio installation (IV/7.1)**

Transceiver

	Make and type	Output power (w)	Channels	Approved by
1				
2				

Initiation of DSC distress alert transmission on channel 70 from normal navigation position  YES  NO

**6.1.1 VHF DSC CONTROLLER:**

combined with VHF radio installation and Separated VHF DSC controller (encoder):  or separated from VHF radio installation

	Make and type	Approved by	Location
1			
2			

**6.1.2 VHF DSC WATCH RECEIVER:**

combined with VHF radio installation and Separated VHF DSC watch receiver on channel 70:  or separated from VHF radio installation

	Make and type	Approved by	Location
1			
2			

**6.2 MF RADIO INSTALLATION (IV/9.1, 10.2)**

YES  NO

Transceiver

	Make and type	Frequency range (KHz)	Location	Approved by
1				
2				

Initiation of DSC distress alert transmission on 2187.5 kHz at normal navigation position  YES  NO

**6.2.1 MF DSC FUNCTION:**

combined with VHF radio installation and Separated MF DSC terminal (encoder):  or separated from VHF radio installation

	Make and type	Approved by	Location
1			
2			

**6.2.2 MF DSC WATCH RECEIVER:**

combined with MF radio installation and Separated MF DSC watch receiver on 2187.5 kHz:  or separated from MF radio installation

	Make and type	Approved by	Location
1			
2			

**6.3 MF/HF RADIO INSTALLATION (IV/10.2.1)**

YES  NO  NA

	Make and type	Frequency range (KHz)	Output power (W)	Location
1				
2				

Initiation of DSC distress alert transmission from normal navigation position (IV/9.2)  YES  NO

**6.3.1 MF/HF DSC FUNCTION**

combined with MF/HF radio installation and Separated MF/HF DSC terminal (encoder):  or separated from MF/HF radio installation

	Make and type	Approved by	Location
1			
2			

**6.3.2 MF/HF DSC WATCH RECEIVER**

combined with MF/HF radio installation and Separated MF/HF DSC watch receiver:  or separated from MF/HF radio installation

	Make and type	Approved by	Location
1			
2			

**6.3.3 DIRECT PRINTING TELEGRAPHY**

combined with MF/HF radio installation and Separated direct printing telegraphy:  or separated from MF/HF radio installation

	Make and type	Approved by	Location
1			
2			

**6.4 INMARSAT SHIP EARTH STATION (SES) (IV/10.1.1)**  YES  NO  NA

	Make and type	Standard (A, B, C, etc.)	Approved by	Location
1				
2				

Initiation of distress alerts transmission from normal navigation position  YES  NO

**7. FACILITIES FOR RECEPTION OF MARITIME SAFETY INFORMATION (M.S.I)**

**7.1 NAVTEX RECEIVER (IV 17.1.4)**

	Make and type	Approved by	Location
1			
2			

**7.2 INMARSAT EGC (ENHANCED GROUP CALLING) RECEIVER / DECODER (IV / 7.1.5)**  YES  NO  NA

combined with INMARSAT SES and Separated EGC receiver / decoder:  or separated from INMARSAT SES

	Make and type	Approved by	Location
1			
2			

**7.3 HF NARROW BAND DIRECT PRINTING (NBDP) (IV/7.1.5)**  YES  NO  NA  
(for ships engaged exclusively on voyages where HF MSI service is provided):

combined with MF/HF radio installation and Separated HF NBDP:  or separated from MF/HF radio installation

	Make and type	Approved by	Location
1			
2			

**8 SATELLITE EPIRB – FLOAT FREE (IV/7.1.6)**  YES  NO  NA

VHF EPIRB  COSPAS-SARSAT (406 MHz)(\*)  INMARSAT (1.6 GHz)

	Make and type	Approved by	Location
1			
2			

Type of release sensor: \_\_\_\_\_

(\*) Satellite EPIRB Operating on 406 MHz, if installed on or after 4 November 1994, shall be provided with the 121.5 MHz homing beacon.

**8.1 VHF EPIRB FOR DSC CHANNEL 70 AND LOCATING BY SART (IV/8.3) (IN LIEU OF THE SATELLITE EPIRB)**

	Make and type	Approved by	Location
1			

**9 9 GHz RADAR TRANSPONDER (III/6.2.2, IV/7.1.3)**

**RADAR TRANSPONDER (Two (2) sets for every passenger ship and on every cargo ship of 500 GT and upwards; for cargo ships of 300 GT and upwards but less than 500 GT one (1) set only)**

	Make and type	Approved by	Location
1			
2			

One (1) of these Radar transponders is the radar transponder required by Regulation IV/7.1.3 ?  YES  NO  NA

**10 TWO-WAY VHF RADIOTELEPHONE APPARATUS (III/6.2.1)**  YES  NO  NA

(Three (3) sets for every passenger ship and on every cargo ship of 500 GT and upwards; for cargo ships of 300 GT and upwards but less than 500 GT two (2) sets only)

	Make and type	Channels	Power Supply	Location
1				
2				
3				

Comply with performance standards of the Organization?  YES  NO  NA

If rechargeable batteries are used and a charging arrangement available?  YES  NO  NA

**11 RADIO DIRECTION – FINDING APPARATUS (V/12(p))**  YES  NO  NA

	Make and type	Frequency range	Approved by	Location
1				

**12 RADIOTELEPHONE DISTRESS FREQUENCY WATCH RECEIVER ON 2182 KHz (IV/7.2)**  YES  NO  NA

	Make and type	Location
1		

**13 RADIOTELEPHONE ALARM SIGNAL GENERATOR ON 2182 KHz (IV/7.3)**  YES  NO  NA

	Make and type	Location
1		

**14 RADAR (V/12 (g)(h))**

	Make and type	Power supply	Size of display (mm)	Approved by
1				
2				

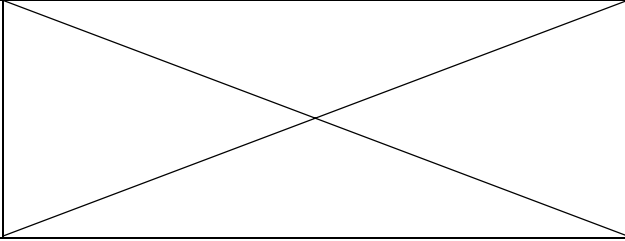
1. Describe facilities for plotting: \_\_\_\_\_

2. State which radar operates on 9GHz: \_\_\_\_\_

**15. AUTOMATIC RADAR PLOTTING AID (ARPA) (V/12(J))**

	Make and type	Connection	Power supply	Approved by
1		<input type="checkbox"/> Separate <input type="checkbox"/> To Radar No.1 <input type="checkbox"/> To Radar No.2		

**16 MAINTENANCE REQUIREMENTS**

ITEM (SOLAS REG)	MAKER, TYPE AND LOCATION
16.1 Availability of Equipment ensure by using methods (IV / 15.6 and 15.7). In sea areas A1 and A2 at least one (1) method; in sea areas A3 and A4 at least two (2) methods. Refer Resolution A.702(17) concerning radio maintenance guidelines for the global maritime distress and safety system related to sea areas A3 and A4.	
16.2 Duplication of Equipment:	
16.2.1 Duplicated VHF Radio Installation (IV 7.1)	Maker: _____ Type: _____ Location: _____
16.2.2 Duplicated VHF DSC Encoder	Maker: _____ Type: _____ Location: _____
16.2.3 Duplicated MF/HF Radio Installation (IV/10.2.1)	Maker: _____ Type: _____ Location: _____
16.2.4 Duplicated INMARSAT Ship Earth Station (SES) (IV, 10.1.1)	Maker: _____ Type: _____ Location: _____
16.3.5 Shore-Based Maintenance	COPY OF CONTRACT ATTACHED..... <input type="checkbox"/> NAME OF CONTRACTOR: _____ DATE OF ISSUE: _____
16.4 Capability at Sea Electronic Maintenance	NAME OF MAINTENER: _____ CERTIFICATE No: _____ DATE OF ISSUE: _____ Issued By: _____ Additional technician documents, tools , test Equipment and spare parts..... <input type="checkbox"/>
16.5 Equipment is readily accessible (Reg. IV/15.2).....	<input type="checkbox"/>
16.6 Adequate information provided (Reg. IV/15.3).....	<input type="checkbox"/>
16.7 Adequate tools and spare are provided (Reg. IV/15.4).....	<input type="checkbox"/>

**17 RADIO PERSONNEL (REG.IV/16) AND ITU RR ART.56).**

1. Name: _____ Rank: _____	Type and No. of Certificate: _____ Issue By: _____ Date of Issue: _____
2. Name: _____ Rank: _____	Type and No. of Certificate: _____ Issue By: _____ Date of Issue: _____
3. Name: _____ Rank: _____	Type and No. of Certificate: _____ Issue By: _____ Date of Issue: _____
4. Name: _____ Rank: _____	Type and No. of Certificate: _____ Issue By: _____ Date of Issue: _____

**18 DOCUMENTS AND CODE OF SIGNAL (REG.IV/17)**

18.1	Radio License is issued by the Administration (ITU RR Art.24)	<input type="checkbox"/>
18.2	Radio Log is provided and properly maintained (ITU RR App. II)	<input type="checkbox"/>
18.3	Alphabetical List of Call signs of Coast, Coast Earth; ship and Ship Earth Station, etc	<input type="checkbox"/>
18.4(*)	List of Coast Stations and Coast Earth Station	<input type="checkbox"/>
18.5(*)	List or Radio Determinations and Special Service Stations	<input type="checkbox"/>
18.6(*)	List of Ship Stations	<input type="checkbox"/>
18.7(*)	Manual for Use by the Maritime Mobile and Maritime Mobile Satellite Services	<input type="checkbox"/>
18.8	International Code of Signals	<input type="checkbox"/>
18.9	Operation Manuals for all equipment (IV/15)	<input type="checkbox"/>
18.10	Manual for all equipment when at sea maintenance is the declared option (IV/15)	<input type="checkbox"/>

(\*) Ship engaged exclusively on voyages within Sea Area A1 may not carry 18.4, 18.5, 18.6, 18.7.

**19. SPECIAL MEASURES FOR PASSENGER SHIPS (IV/6 & IV/7)**

**(Applicable at the first periodical survey after 1 July 1997)**

YES                  NO                  NA

- 19.1 Distress panel installed at conning position comprising:
1. single button to initiate the distress alert: (IV/6.4)
2. ship's position continuously and automatically provided to the radio equipment used in initial alert distress: (IV/6.5)
- 19.2 Distress alarm panel installed at conning position showing visual and aural indications of alerts received on board: (IV/6.6)
- 19.3 Means for two-way on-scene radiocommunications for search and rescue purposes using the aeronautical frequencies 121.5 MHz and 123.1 MHz from the position from which the ship is normally navigated: (IV/7.5)
- 20. ADDITIONAL EQUIPMENT OF RADIO FACILITIES**
- Radio life-saving appliances and shipborne navigational equipment (e.g. GPS,etc.):

EQUIPMENT	MANUFACTURER	TYPE / SERIAL No.	LOCATION

**21 EXEMPTION FROM VHF DSC (IV/9.4, 10.4 & 11.2)**                                                     

21.1 Other Radio Exemptions                                                     

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**22 Particular or Any Special Features or Additional Information**

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