How to Conduct a GMDSS Inspection

The GMDSS replaces the ship-to-ship safety system that used manual Morse code with a ship-to-shore safety system that uses satellite and automated terrestrial communications systems. The GMDSS requires ships to carry various types of communications equipment depending upon the voyages of the ship rather than the gross tonnage. (See § 80.1069.) The GMDSS also requires ships to comply with certain functional requirements. (See § 80.1081.) The GMDSS rules are found in **subpart W** of Part 80 [Code of Federal Regulations, Title 47, Part 80] and are applicable to the appropriate tonnage and operational areas of U.S. Flag Passenger and Cargo vessels. Under the Communications Act, Fishing vessels are considered to be Cargo vessels and, therefore, this Inspection form is to be used for them as appropriate.

As per 47 CFR Part 80.59 (a) (1), the following table illustrates the minimum licensing requirements for Inspectors (only one license required in case of multiples):

	General radiotelephone operator license	GMDSS radio maintainer's license	Second class radiotelegraph operator's certificate	First class radiotelegraph operator's certificate
Radiotelephone equipped vessels subject to 47 CFR part 80, subpart R or S	x	X	x	X
Radiotelegraph equipped vessels subject to 47 CFR part 80, subpart Q			x	X
GMDSS equipped vessels subject to 47 CFR part 80, subpart W or subpart Q		X		

Definitions of Sea Areas:

Ships must comply with the requirements for <u>all</u> Sea Areas in which they operate.

Sea Area A1 - Basically within VHF Coast Station range

Sea Area A2 - Basically within MF Coast Station range

Sea Area A3 - Ocean areas within INMARSAT coverage - below 70 degrees N Latitude and above 70 degrees S Latitude. Most ships will operate in Sea Area A3.

Sea Area A4 - Out of INMARSAT coverage area -above 70 degrees N Latitude and below 70 degrees S Latitude. These ships <u>must</u> be equipped with a HF DSC and NBDP installation.

Exempted Vessels

Please note that this form is also to be used (in part) for vessels in compliance with Part 80.851 (Subpart R – Compulsory Radiotelephone Installations for Vessels 300 Gross Tons) quoted here:

"The radiotelephone requirements of this subpart are applicable to all compulsory ships which are not required to comply with subpart W of this part in total or in part because they have received an exemption from all or some of the subpart W provisions." The Subpart R vessels are limited in operation to 100 miles from shore – effectively classing them as Sea Area A1 and Sea Area A2 vessels without the requirement for DSC operability.

The applicable inspection points are noted with an 'X-R' to indicate their exemption or non applicability

Please note that this form is also to be used for **Fishing** vessels as noted above. In the case of those Fishing vessels which are only operating in Sea Areas 1 and 2, they are currently under exemption from the carriage of DSC equipment until the U.S. Coast Guard declares that Sea Areas 1 and 2 are operational.

Exempted items are noted with "X-F1/2" – all other Subpart W items are required by these vessels.

Note: Contact the FCC at 1.202.418.7450 if there is any discrepancy between the ship's exemption and its area of operation.

Ship's Particulars (all vessels)

Vesse		_					
	f survey						
Port of	f registry	Gross Tonnage					
Cargo	or Passenger Vessel	Number of passengers					
Call Si	gn	MMSI Number					
IMO N	umber	USCG Number					
Telex	ID Number (NBDP)	INMARSAT Number(s)					
Additio	onal ID numbers						
Sea aı	rea(s) in which vessel is certified to operate: A1 \Box] A2					
Subpa	rt R vessel (Y or N): Exempt F	Fishing Vessel (Y/N):					
<u>Surve</u>	ying Test Equipment (applicable all vessels):						
	The following test instruments used:		<u>YES</u>	<u>NO</u>	<u>N/A</u>		
	Frequency counter Watt meter with plug in elements covering MF, I Ampere/Volt/Ohm meter. Instrument for decoding the ID-signal of satellite Acid tester (specific gravity). Insulation resistance tester. GMDSS Test Set Spectrum analyzer. Oscilloscope. Deviation meter.						
Ship s	sources of energy (applicable to all vessels)						
a)	Reserve power must meet either six (6) hour or	one (1) hour requirement.					
	Six hours for ships constructed before February requirements of SOLAS, Chapter II-1, Regulation One hour for ships constructed after February 1	on 42 or 43. , 1995, or older ships that voluntarily cor	J				
b)	Chapter II-1, Regulation 42 or 43. (80.1099(b)(2) Verify that a continuous supply of electrical pow	rer, within equipment tolerances, is provi			ss		
	equipment that could be affected by normal vari	lations and interruptions of snip's power.	(80.109	99(1).			
c)	When the reserve source of energy consists of batteries, equipment must be provided for automatically recharging them to minimum required capacity in not more than 10 hours. (80.1101(f)(1))						
d)	When the reserve source of energy consists of a exceeding 12 months. If not completed within pa (80.1101(f)(2))				als not		
e)	Storage batteries provided as a reserve source electrical codes and good engineering practice. physical damage. They must be readily accessil	They must be protected from adverse w	eather a	and	e		

The following items were checked and tested as necessary and found satisfactory:			<u>NO</u>	N/A
1.	Checked main source of energy available in accordance with requirements.			
2.	Emergency generator fitted and functional as per Master.			
3.	If reserve source of energy is a battery, specify make and model:			
	If reserve source is a generator, specify make and model:			
	Checked the integrity of the installation. Specify location:			
	2) Checked for defects including all cables.			
	3) Checked there is sufficient capacity to operate the basic and/or duplicated equipment for six (6) hours or one (1) hour (X-R) as appropriate. Specify 1 (X-R) or 6 hours:			_
4.	Checked the reserve battery condition by specific gravity measurement or voltage measurement: Specify voltage: or specific gravity:			
5.	With battery off charge, and the maximum required radio installation load connected to the reserve source of energy, check the battery voltage after testing and the discharge current. Specify maximum discharge current:			
6.	Checked that the charger(s) are capable of recharging the reserve battery to the minimum capacity needed within 10 hours			
7.	Checked that battery charger is of an automatic type.			
8.	The capacity of battery(s) has been checked at intervals not exceeding 12 months.			
	Minimum capacity is calculated as: (½ transmitter currents + all receiver currents + emergency light + bridge to bridge VHF + GNSS receiver + all other devices) times the number of hours necessary to power the station (1 or 6 hours).			
<u>Radi</u>	o Installations (applicable to all vessels)			
1.	Checked for FCC Certification and/or GMDSS compliance labels (80.1103).			
2.	Equipment installed fulfills the functional requirements for the vessel's areas of operation.			
3.	Permanently installed lighting sufficient to illuminate the operating controls of the radio installation and powered from a source independent of the ship's main and emergency power sources must be provided. (80.1083(b)(4))			
4.	Radiotelephone Station Clock is mounted near the operating position (R vessels only)			
5.	Spare assembled antenna for MF/HF equipment is onboard (R vessels only)			
6.	Radio installation is clearly marked with call sign, ship station identity, and other applicable codes (80.1083 (b)(5))			
7.	Must be able to initiate distress alert from position from which the vessel is normally navigated			
8.	Radio equipment is located at:			

			<u>YES</u>	<u>NO</u>	<u>N/A</u>
Remote control fro	m conning position provided (as appli	cable)			
	ection made of all MF/HF, VHF, INMAl s for satisfactory placement (including ce)?				
Checked that the National touched accidental	//IF/HF transmitting antennas are prote	ected against being			
Ship	radio equipment and requirements (Exceptions to		0.1085)		
1. VHF installation	n. (§ 80.1085(a)(1)&(2))				
	e DSC channel 70 and must be able to is navigated. (X-F1/2 and X-R vess		ess alerts	from the	position
b) Required to hav	e channels for radiotelephony (transm	nit and receive): 6, 13, 16			
will accept either a lin either a lin either event, the	parate, dedicated, non-scanning receivals separate radio installation or a separate radio installation or a separate have continuous monitorin/2 and X-R vessels)	rate receiver combined with tl			70
d) The transmitter	power output must be between 6 and	25 watts. (§ 80.1101(c)(2).			
e) The equipment	must have a frequency tolerance of 10	O Hz per MHz (§ 80.209(a)(5)	(ii).		
f) FCC Certified for	GMDSS (must have a label so statin	g). (§ 80.1103(e)) (X-F1/2 an	d X-R ves	sels)	
			<u>YES</u>	<u>NO</u>	<u>N/A</u>
SARTSearch An	d Rescue Transponder. (§ 80.1085)	<u>a)(3))</u> (all vessels)			
Two (2) required	d for ships of between 300 and 500 gr If for ships 500 gross tons or greater. (or GMDSS (must have a label so stating	§ 80.1101)			
,	`	ig). (§ 60.1103(e))			
c) Self test capabil					
	SART Chec				
1	Make / Model	Frequency band			
2					
1. Checked for sat	sfactory functional test using on board	d 9 GHz radar, if possible.			
2. Checked for sat	sfactory stowage				
3. Checked for ope	erating instructions				
4. Checked for suf transmissions.	ficient battery capacity for stand-by co	ondition and to provide			

				<u>YES</u>	<u>NO</u>	<u>N/A</u>
	5. Checked for clea	r markings with ship's call sign.				
	6. Battery expiration #1 Expiration	n date: on Date (mo/yr) <u>:</u>				
	#2 Expiration	on Date (mo/yr):				
GMDS	S VHF-FM Handheld	l <u>Radios (§ 80.1095(a)(c))</u> (all vess	els)			
		for ships of between 300 and 500 gr d for ships 500 gross tons or greater				
	b) FCC Certified for	GMDSS (must have a label so statis	ng). (§ 80.1103(e))			
	c) Battery expiration	n date to be marked on equipment				
	d) Must have Chann	nel 16 plus one other (at minimum)				
	e) Must be an additi	ional battery to be used for testing po	urposes (cannot be one of the	compulso	ry batte	ries).
		VHF Handheld	Checklist			
	1	Make / Model	Channels			
	1					
	2					
	3					
			-	<u>YES</u>	<u>NO</u>	N/A
	1. Checked for satis	sfactory functional test				
	2. Checked for satis	sfactory stowage/availability				
	3. Checked for oper	rating instructions				
	4. Checked that the	primary battery seals have not been	broken			
	5. Checked for clea	r markings with ship's call sign.				
	6. Battery expiration #1 Expiration	n dates: on Date (mo/yr) <u>:</u>				
	#2 Expiration	on Date (mo/yr):				
	#3 Expiration	on Date (mo/yr):				
	Maritima Osfat I	(a	\/F\			

Maritime Safety Information receiver(s) (§ 80.1085(a)(5) (all vessels)

- a) For Navtex, it must be a dedicated receiver
- b) FCC Certified for GMDSS (must have a label so stating). (§ 80.1103(e))
- c) Vessel must be capable of receiving MSI information in all areas in which the ship operates

Navtex Checklist

Make and Model:						
		<u>YES</u>	<u>NO</u>	<u>N/A</u>		
1. Checked for correct operation by monit recent hard copy.						
	ram, if provided. only apply to ships operated in areas ailable (typically A3 and A4 Ocean Areas).					
<u>EG</u>	C Receiver Checklist (X-R)					
Make and Model:						
		<u>YES</u>	<u>NO</u>	N/A		
1. Checked for correct operation by monit recent hard copy.	oring incoming messages or inspecting					
2. Performed test run of the self-test prog	ram, if provided.					
HF MSI Receiver	Checklist (if applicable) (X-F1/2 and X-R)					
Make and Model:						
1. Checked for correct operation by monit recent hard copy.	oring incoming messages or inspecting					
2. Performed test run of the self-test prog	ram, if provided.					
Category 1, 406 MHz EPIRB. (§ 80.1085	(<u>a)(6))</u> (all vessels)					
a) The installation must be such that the EPIRB will not be caught up in any rigging or structure if the ship should capsize. The unit must be capable of automatic release when submerged and automatic activation when placed in water. Additionally, the unit must also be capable of manual release and manual activation.						
b) The battery date must not be expired.						
c) The EPIRB(s) must be registered with	NOAA					
d) FCC certified for GMDSS (must have a	label so stating). (§ 80.1103(e))					
e) Must have a self test capability.						
		<u>YES</u>	<u>NO</u>	<u>N/A</u>		
<u>4</u>	06 MHZ EPIRB Checklist					
#1 EPIRB #2 EPIRB(if fitted)	Make and Model:Make and Model:	- -				
Checked position and mounting for float is installed in an easily accessible position and capable of being carried by one personal capable.	and is ready to be manually released					

	<u>YES</u>	<u>NO</u>	N/A
EPIRB Location(s):			
2. Verified that the lanyard is firmly attached, in good condition, neatly stowed, and not tied to the vessel or the mounting bracket.			
3. Carried out visual inspection for defects.			
4. Carried out the self-test routine.			
5. Checked that the EPIRB ID and other information (include call sign and MMSI of the ship) is clearly marked on the outside of the equipment.			
6. Decoded the EPIRB identity number and other information confirming it is correct and the same as that marked on the EPIRB.			
15 Digit Hexadecimal Number:			
7. Checked the registration through documentation (sticker) or directly with NOAA			
8. Checked battery expiry date(s):			
9. Checked hydrostatic release(s) expiration dates(s):			
10. Checked the emission in the 406 MHz band using the self-test mode or an appropriate device to avoid transmission of a distress call to satellites.			
11. If possible, checked emission on the 121.5 MHz frequency using the self-test mode or an appropriate device to avoid activating the satellite system.			
12. Checked that no transmission has been started after the test and remounting of the EPIRB in its bracket.			
13. Checked for the presence of beacon operating instructions.			
Spare Parts (all vessels)			
a) Tools, spares, and test equipment as deemed necessary.			
b) Instruction and maintenance manuals, recommended spare parts, tools; and test equipment for all required equipment should be provided. (§ 80.1105(f))			
1. Checked test equipment, manuals and spares carried is adequate in accordance with the sea areas in which the ship trades and the declared options for maintaining availability of the functional requirements.			
<u>Publications and documents</u> (all vessels)			
a) Valid station license and posted (80.405)			
b) Operator license(s) (80.407(b) (X-R vessels)			
 (1) Two (2) operators (GMDSS Radio Operator (13.2)) are required, one must be designated as the primary operator in times of distress. (§ 80.1073(a)) (2) One (1) member of crew with GMDSS Radio Maintainer License if on-board maintenance option is elected. (§80.1074) 	1		

Operator license(s) (80.159 (c)) (MP or General Licens	se) (Subpart R Vessels only))		
Number of radio operators Operators name	License number			
Operators nameOperators name	License number License number			
		YES	<u>NO</u>	N/A
c) Station log (80.409 (a), (b) (e) and (f)) with correct entr	ries			
d) Publications (X-R vessels)				
FCC Rules & Regulations Part 80 (§ 80.401). IMO publication: Master Plan of Shore Based Facilities (§ Alphabetical List of Maritime Mobile Call Signs (§ 80.401) List of Ship Stations (§ 80.401) Manual for Use by Maritime Mobile Service and Satellite List of Coast Stations (§ 80.401) List of Radiodetermination and Special Services Stations) Service (§ 80.401)			
Maintenance (X-R vessels)				
Ships operated in Sea Areas A1 or A2 must sele Ships operated in Sea Areas A3 and A4 must se b) Methods At-sea maintenance requires at least one member and all necessary spares parts, technical manua Shore based maintenance requires ship to have basic requirements, must be car Sea Area A1 - a complete VHF DSC installation Sea Area A2 - a complete VHF DSC installation	ber of the crew holding a GME ls, and test equipment be above shore based maintenance avoing equipment, in addition to a ried: (including antenna). (X-F1/2 for	ds of mair DSS Maint ard. vailable. all other or DSC fu	ntenance tainer Li	e. cense
antennas). (X-F1/2 for DSC installation) Sea Area A3 - a complete VHF DSC installation (including antenna) or a complete INMAF source. Sea Area A4 a complete VHF DSC installation (including separate antenna but not a se	and either a complete MF/HF RSAT ship earth station, but n and a complete MF/HF DSC/	DSC/NBI	OP insta	ver
NOTE: The duplicated equipment must be immediately a equipment does not have to be in standby, it must				t any
assembly.		<u>YES</u>	<u>NO</u>	N/A
Method of availability of functional requirements. Duplication of equipment Shore-based maintenance (copy of contract verification At-sea maintenance)	fied on board)			

Requirements for Vessels operating in Sea Area A1 (§ 80.1087)

Ships that operate only in Sea Area A1 must meet the above requirements for all ships and the following:

a) Be capable of secondarily transmitting a distress message by using either: (§ 80.1087(a)):

A VHF installation or,

A MF installation or,

A HF installation or,

A INMARSAT installation or,

By using the Category I, 406 MHz EPIRB (this requirement may be met by either mounting the EPIRB required for all ships near the conning position or by having remote activation capability).

b) The VHF installation required for all ships must be capable of operating on all marine VHF channels. (§ 80.1087(b))

Requirements for Vessels operating in Sea Areas A1 and A2 (§ 80.1089)

Ships that operate in Sea Areas A1 and A2 must meet the above requirements for all ships, Sea Area A1 ships **and** the following:

- a) An MF installation with DSC capability and
 - 1) 2187.5 kHz for DSC alerting
 - 2) 2182 kHz for radiotelephony distress and safety communications
 - 3) capable of <u>continuously</u> monitoring 2187.5 kHz DSC (This may be combined with the above installation, but must provided by a separate DSC receiver).
- b) A means to secondarily initiate a distress alert by either:

A category I, 406 MHz EPIRB (This requirement may be met by installing the 406 MHz EPIRB close to the conning position or by having remote activation capability); or,

A separate HF installation with DSC capability; or,

A separate INMARSAT installation.

c) A radio installation capable of transmitting and receiving general radio communications using radiotelephony or direct-printing telegraphy by <u>either</u>:

A MF or HF installation with the capability to operate on working frequencies in the bands 1605-4000 kHz or 4000-27500 kHz (This capability may be added to the MF installation.); <u>or,</u> An INMARSAT ship earth station.

Requirements for Vessels operating in Sea Areas A1, A2 and A3 (§ 80.1091)

Ships that operate in Sea Areas A1, A2 and A3 must meet the requirements for all ships, Sea Area A1 and A2 ships **and either** paragraph a) **or** b):

a) Satellite:

An INMARSAT ship earth station capable of

Transmitting and receiving distress and safety communications by means of direct printing telegraphy, Transmitting and receiving distress priority calls,

Maintaining watches for shore-to-ship distress alerts including those directed to specifically defined geographical areas,

Transmitting and receiving general radio communications using either radiotelephony or direct-printing telegraphy.

a1) A MF radio installation including

2187.5 kHz transmit and receive using DSC

2182 kHz using radiotelephony and

Continuous monitoring capability of 2187.5 kHz DSC (may be combined with MF installation, but must have separate receiver).

a2) Means to secondarily initiate a distress alert by either:

A category I, 406 MHz EPIRB (This requirement may be met by installing the 406 MHz EPIRB close to the conning position or by having remote activation capability); or,

A separate HF installation with DSC capability; or,

A separate INMARSAT installation

b) MF/HF RT-DSC-NBDP:

A MF/HF radio installation capable of:

Transmitting and receiving on all distress frequencies in the band 1605-27500 kHz using DSC, radiotelephony, and narrow-band direct printing telegraphy.

Selecting any of the DSC distress and safety frequencies at any time,

Maintaining a DSC watch on 2187.5 kHz, 8414.5 kHz and on at least one of the DSC frequencies 4207.5 kHz, 6312 kHz, 12577 kHz, or 16804.5 Hz. (The watch-maintaining receiver may be separate from or combined with the MF/HF installation.)

b1) Means to secondarily initiate a distress alert by either:

The category I, 406 MHz EPIRB required for all ships. (This requirement may be met by installing the 406 MHz EPIRB close to the conning position or by having remote activation capability); <u>or</u>, A separate INMARSAT installation.

Capability to transmit and receive general radio communications using radiotelephony and direct printing telegraphy in the bands 1605-4000 kHz and 4000-27500 kHz. (This requirement may be fulfilled by adding this capability to the MF/HF installation).

Requirements for Vessels operating in Sea Areas A1, A2, A3 and A4 (§ 80.1093)

Ships that operate in Sea Areas A1, A2, A3 and A4 must meet the requirements for all ships and those for Sea Areas A1, A2 and A3 listed above except that the satellite option available in the A3 area is not available in the A4 area and the automated terrestrial option listed above (para. b) for the A3 area which is repeated here becomes mandatory:

a) An MF/HF radio installation capable of:

Transmitting and receiving on all distress frequencies in the band 1605-27500 kHz using DSC, radiotelephony, and narrow-band direct printing telegraphy,

Selecting any of the DSC distress and safety frequencies at any time.

Maintaining a DSC watch on 2187.5 kHz, 8414.5 kHz and on at least one of the DSC frequencies 4207.5 kHz, 6312 kHz, 12577 kHz, or 16804.5 Hz. (The watch-maintaining receiver may be separate from or combined with the MF/HF installation.)

A means for secondarily initiating a distress alert by both:

The category I, 406 MHz EPIRB required for all ships. (This requirement may be met by installing the 406 MHz EPIRB close to the conning position or by having remote activation capability.) and

The MF/HF installation using DSC on any of the above DSC distress alerting frequencies. It must be possible to initiate the distress alert by this means from the position from which the ship is normally navigated.

Capability for transmitting and receiving general radio communications using radiotelephony and direct printing telegraphy in the bands 1605-4000 kHz and 4000-27500 kHz. This requirement may be fulfilled by adding this capability to the MF/HF installation.

Sea Area Equipment Checklists

YES NO N/A

VHF transceivers (all vessels)

	BASIC	DUPLICATE	∃D (X-R)	
Make / Model				
1. Checked for c	pperation on all marine channels.	Γ		
2. Checked that	equipment is within frequency tolerance.	ו		
3. Checked RF p	power output and VSWR on channels 6, 13, and 1	6. [
4. Checked correcontrol units (if p	ect operation of all controls including priority of provided).	[_	
5. Checked that and reserve sou	the equipment operates from the main, emergency rces of energy.	, , ,	_ [
•	ration of the VHF control unit(s) or portable VHF edigational safety from bridge wings.	• •	_	
7. Checked for o	correct operation by on-air contact with a coast state	tion or other ship.		
OSC controller and C	Channel 70 DSC watch receiver (X-F1/2 and X-R vess	sels)		

VHF D

_	BASIC	DUPL	ICATED	
Make / Model				
Performed an is programmed in				
2. Checked for coast station, oth				
3. Checked for c station, other shi				
4. Checked the audibility of the VHF/DSC alarm.				
5. Checked that the equipment operates from the main, emergency (if provided) and reserve sources of energy.				
6. Checked that the ship's position in the distress alert is automatically provided with this information from an internal or external navigation receiver (e.g. GPS)				
7. Checked DSC	alerting available from conning position			
8. Checked that displayed near the	DSC distress procedure and the MMSI number are unit.	e clearly		

MF or MF/HF radiotelephone equipment (Subpart W vessels as applicable and R vessels beyond 20 miles as an alternative to Inmarsat)

		BASIC DUPLICATED	DUPLICATED (X-R vessels)		
Make / Mo	odel				
		the equipment operates from the main, emergency (if provided), rces of energy.			
2. Checked	d ante	nna tuning in all appropriate bands.			
3. Checked bands (10		equipment is within frequency tolerance on all appropriate			
	4. Checked for correct operation by measuring RF power output and VSWR and/or by contact with a coast station. [MF >60 watts or MF/HF > 120 watts]				
	5. Checked receiver performance by monitoring known stations on all appropriate bands.				
	6. Checked that the control unit on the bridge has first priority for the purpose of initiating distress alerts, if control units are provided outside the navigational bridge.				
		the vessel is able to watch 2182 khz and transmit the 2 tone alarm pped. (Fishing Sea Area A2 and Subpart R vessels only)			
MF/HF radio telex ed	quipm	ent (Subpart W vessels as applicable but X-F1/2 and X-R vessels)			
		BASIC DUPL	ICATED		
Make / Mo	odel				
reserve so	urces	the equipment operates from the main, emergency (if provided), and of energy. It the correct selective calling number is programmed in the equipment.			
reserve so	urces ed tha d corre	of energy. It the correct selective calling number is programmed in the equipment. Eact operation by inspection of recent hard copy or by a test with	_	_	
2. Confirme 3. Checked a coast rad	urces ed tha d corre lio sta	of energy. It the correct selective calling number is programmed in the equipment. Eact operation by inspection of recent hard copy or by a test with			
2. Confirme 3. Checked a coast rad	urces ed tha d corre lio sta	of energy. It the correct selective calling number is programmed in the equipment. Exect operation by inspection of recent hard copy or by a test with tion. Subpart W vessels as applicable but X-F1/2 and X-R vessels)			
2. Confirme 3. Checked a coast rad	urces ed that d corre lio stat der(s) (of energy. It the correct selective calling number is programmed in the equipment. Exect operation by inspection of recent hard copy or by a test with tion. Subpart W vessels as applicable but X-F1/2 and X-R vessels)			
2. Confirme 3. Checked a coast rad MF/HF DSC controll Make / Make	ed that	of energy. It the correct selective calling number is programmed in the equipment. Exect operation by inspection of recent hard copy or by a test with tion. Subpart W vessels as applicable but X-F1/2 and X-R vessels) BASIC DUPL equipment operates from the main, emergency (if provided), and			
2. Confirme 3. Checked a coast rad MF/HF DSC controll Make / Me 1. Checked reserve sol	ed that urces ed that	of energy. It the correct selective calling number is programmed in the equipment. Exect operation by inspection of recent hard copy or by a test with tion. Subpart W vessels as applicable but X-F1/2 and X-R vessels) BASIC DUPL equipment operates from the main, emergency (if provided), and			
2. Confirme 3. Checked a coast rad MF/HF DSC controll Make / Mo 1. Checked reserve solution 2. Confirme equipment.	ed that urces ed that	of energy. It the correct selective calling number is programmed in the equipment. Exect operation by inspection of recent hard copy or by a test with tion. Subpart W vessels as applicable but X-F1/2 and X-R vessels) BASIC DUPL equipment operates from the main, emergency (if provided), and of energy.			
2. Confirme 3. Checked a coast rad MF/HF DSC controll Make / Me 1. Checked reserve soil 2. Confirme equipment 3. Checked 4. Checked	ed that urces ed that urces ed that	of energy. It the correct selective calling number is programmed in the equipment. Exect operation by inspection of recent hard copy or by a test with tion. Subpart W vessels as applicable but X-F1/2 and X-R vessels) BASIC DUPL equipment operates from the main, emergency (if provided), and of energy. It the correct Maritime Mobile Service Identity is programmed in the			

		<u>YES</u>	<u>NO</u>	N/A
	6. Checked that the ship's position in the distress alert is automatically provided with this information from an internal or external navigation receiver (e.g. GPS)			
	7. Checked DSC alerting is available from the conning position.			
ME/I	HF DSC watch receiver (Subpart W vessels as applicable but X-F1/2 and X-R vessels)			
,.	Make / Model			
	 Confirmed that only DSC channels indicated in Regulations IV/9, 10, 11, and 12 are being monitored. 			
	2. Checked that a continuous watch is being maintained while keying MF/HF radio transmitters.			
	Checked for correct operation by means of a test call from a coast station or other ship.			
NM.	ARSAT Ship Earth Station(s) (Subpart W vessels as applicable and R vessels beyond 20 miles as an alternative	e to Inmars	sat)	
	(NR 1) B □ C □ F77 □ (NR 2) B □ C □ F77 □ Make and Model			
	Make and Model			
	 Checked that equipment operates from the main, emergency (if provided), and reserve sources of energy 			
	2. Where an uninterrupted supply of information from the ship's navigational or other equipment is required, ensure that such information remains available in the event of failure of the ship's main or emergency source of electrical power.			
	3. Checked the distress function by means of an approved test procedure where possible.			
	4. Checked for correct operation by inspection of recent hard copy of test call by telex or telephone.			
	5. Checked distress function only if permitted to carry out test by the coast earth station.			
Sec	ondary Distress Alerting (Subpart W vessels only)			
	Identify the method of secondary means of alerting:			
Glok	oal Navigation Satellite System Receiver (80.1083 (f) and 80.1085 (c)) (Subpart W vessels only	but X-F1/2	vessels	s)
	Make / Model			
	1. Information on the ship's position is continuously and automatically provided to all relevant GMDSS equipment.			
	2. The navigation receiver is supplied from a source of energy ensuring continuous supply of the ship's position information in the event of failure			
	of the ship's main or emergency source of energy.			

	<u>YES</u>	<u>NO</u>	<u>N/A</u>
Passenger Ship Requirements (Additional as per 80.1083 (e) (g)) (Subpart W vessels)			
1. The reception notification of distress alerts by which means and the transmission of distress alerts by the required means are part of a control panel located at the conning position of the vessel.			
Make / Model			
Passenger Ship Requirements (Additional as per 80.1085 (d)) (Subpart W vessels)			
1. The vessel has the proper radio equipment to communicate with aircraft on the frequencies 121.5 and 123.1 mhz			
Make / Model			
U.S. Coast Guard Advisement of Passenger Vessel Radio Inspection (As per 80.59 (a) (3) (Subpart	: W vesse	ls)	
1. FCC Form 806 completed and submitted to the USCG			
Bridge to Bridge Requirements (As per 80.1001) (all vessels)			
1. The installation is functional and capable of operating on Channel 16, Channel 13, and Channel 22A at minimum.			
Make / Model			

Radio Technician's Remarks:	
is suggested that one copy of this report be of the copy be kept with the Surveyo	Master's Signature and Ship's Stamp
	Radio Surveyor's Signature
	Radio Surveyor's Printed Name and License Number
	Surveyor's Company, City, State
	Date

NOTE: Logbook Entry to be made by Surveyor along with Master's comments (§ 80.59 (2))