

# ClassNK NIPPON KAIJI KYOKAI

## RECORD OF PASSENGER / CARGO SHIP SAFETY RADIO EQUIPMENT (GMDSS)

Under the provisions of the International Convention for the Safety of Life at Sea , 1974 as amended, and the Rules for Radio Installations 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.*

Record No.: \_\_\_\_\_ Survey Port : \_\_\_\_\_ Survey Date : \_\_\_\_\_

Name of Ship	Port of Registry/ Flag	Gross Tonnage	Date Keel Laid
Class Number	IMO Number	Type of Ship	

Signal Letters and Identification Codes			
Radio Station License	No. : _____ , _____	Valid until : _____	
Call Sign		MMSI	
ID for DSC (VHF)		ID for DSC (MF)	
ID for DSC (MF/HF)		Selcall No. for NBDP	
IDs for INMARSAT- F <sub>77</sub>		IDs for INMARSAT-F <sub>77</sub>	
ID for 1st INMARSAT-C		ID for 2nd INMARSAT-C	
ID for Satellite EPIRB		ID for Additional Satellite EPIRB	
ID for LRIT		ID for AIS-SART	
ID for		ID for	
Sea area in which the ship is certified to operate (check off the applicable box) (IV/2,8-11): <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 off all applicable boxes) (IV/15): <input type="checkbox"/> Duplication of equipment <input type="checkbox"/> Shore-based maintenance <input type="checkbox"/> At-sea maintenance			

- |   |                          |                          |                          |
|---|--------------------------|--------------------------|--------------------------|
| <b>1. General Requirements for Radio Installations (IV/6,15 &amp; 17)</b>   | <b>Y</b>                 | <b>N</b>                 | <b>N/A</b>               |
| 1.1 Are all radio controls for operating the radio installations adequately illuminated?  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 1.2 Are the ship'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 and spare parts available?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 1.8 Facilities for bridge wings communications (check off the applicable box):<br><input type="checkbox"/> extension cords <input type="checkbox"/> fixed handset line <input type="checkbox"/> VHF transceiver | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 1.9 Is the antenna fitted as high as possible, sufficiently separated from other antennae, 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 case tracking antenna is used for GMDSS equipment, is there a means for ensuring continuous supply of ship's heading information to the antenna ?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 1.11 In case of a passenger ship, are additional requirements for the passenger ship satisfied?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

**2. Main Source of Electrical Power (IV/13)**

2.1 Specifications

Voltage	Capacity	Sets	Location
V	kVA		

**3. Emergency Source of Electrical Power (II-1/42 & 43, IV / 13)**

3.1 Specifications

Source	Voltage	Capacity	Sets	Location
Generator	V	kVA		
Battery	V	AH		

3.2 Radio installations operated by emergency source of electrical power for a period of (check off the applicable box):

- 18 hours                                       36 hours                                       N/A

3.3 Equipment operated by emergency source of electrical power:

Y N N/A

VHF radio installation of primary\* / duplicated\*

MF radio installation

MF/HF radio installation of primary\* / duplicated\*

INMARSAT SES of primary\* / duplicated\*

**4. Reserve Source of Energy (Battery Type) (IV/13)**

4.1 Specifications

Make and Type	Voltage	Capacity	Location
	V	AH	

4.2 Operating hours (check off the applicable box):

- 1 hour                                       6 hours

4.3 Equipment operated by reserve source of energy :

Y N N/A

VHF radio installation of primary\* / duplicated\*

MF radio installation

MF/HF radio installation of primary\* /duplicated\*

INMARSAT SES of primary\* /duplicated\*

Electrical lighting for radio control

4.4 Battery charger

Make and Type	Charging mode	Full charge current
	<input type="checkbox"/> automatic <input type="checkbox"/> manual	A

**5. Composition of Radio Installations (check off all applicable boxes) (V/4,8,9,10,11,12 & 15)**

5.1 Primary system:

- VHF                                       MF                                       MF/HF                                       INMARSAT SES

5.2 Duplicated system:

- VHF                                       MF/HF                                       INMARSAT SES

5.3 Secondary means of alerting:

- VHF(DSC)                       MF(DSC)                       MF/HF(DSC)                       INMARSAT-F<sub>77</sub>  
 INMARSAT-C                       VHF EPIRB                       406MHz EPIRB

\* Delete as appropriate.

**6. Radio Equipment Primary and Duplicated System (IV/7,8,9,10,11,12, 14 & 18)**

6.1 VHF radio installation

6.1.1 Transceiver

Make & Type	Output power	Channels	Approved by
P	W		
D	W		

6.1.2 Initiation of DSC distress alert on ch.70 from normal navigating position  YES  NO

6.1.3 Position-Updating  Auto  Manual

6.1.4 VHF DSC controller (check off the applicable box):

Combined with VHF radio installation  Separated from VHF radio installation  
 Separated VHF DSC controller (encoder)

Make & Type	Approved by	Location
P		
D		

6.1.5 VHF DSC watch receiver (check off the applicable box):

Combined with VHF radio installation  Separated from VHF radio installation  
 Separated VHF DSC watch receiver on ch. 70

Make & Type	Approved by	Location
P		
D		

6.2 MF radio installation

6.2.1 Transceiver

Make & Type	Output power	Band of Frequency	Approved by
	W		

6.2.2 Initiation of DSC distress alert on 2187.5 kHz from normal navigating position  YES  NO

6.2.3 Position-Updating  Auto  Manual

6.2.4 MF DSC controller (check off the applicable box):

Combined with MF radio installation  Separated from MF radio installation  
 Separated MF DSC controller (encoder)

Make and Type	Approved by	Location

6.2.5 MF DSC watch receiver (check off the applicable box):

Combined with MF radio installation  Separated from MF radio installation  
 Separated MF DSC watch receiver on 2187.5 kHz

Make and Type	Approved by	Location

6.3 MF/HF radio installation

6.3.1 Transceiver

Make & Type	Output power	Band of Frequency	Approved by
P	W		
D	W		

6.3.2 Initiation of DSC distress alert from normal navigating position  YES  NO

6.3.3 Position-Updating  Auto  Manual

6.3.4 MF/HF DSC controller (check off the applicable box):

- Combined with MF/HF radio installation     Separated from MF/HF radio installation  
 Separated MF/HF DSC controller (encoder)

Make and Type	Approved by	Location
P		
D		

6.3.5 MF/HF DSC watch receiver (check off the applicable box):

- Combined with MF/HF radio installation     Separated from MF/HF radio installation  
 Separated MF/HF DSC watch receiver

Make and Type	Approved by	Location
P		
D		

6.3.6 Direct printing telegraphy (check off the applicable box):

- Combined with MF/HF radio installation     Separated from MF/HF radio installation  
 Separated direct printing telegraphy(NBDP)

Make and Type	Approved by	Location
P		
D		

6.4 INMARSAT communication installation

6.4.1 Ship Earth Station

Make and Type	Standard Type (INM-C,-F <sub>77</sub> , etc)	Approved by	Location
P			
D			

6.4.2 Initiation of distress alert from normal navigating position

- YES     NO

6.4.3 Position-Updating

- Auto     Manual

**7. Facilities for Reception of MSI (IV/7)**

7.1 NAVTEX receiver

Make and Type	Approved by	Location

7.2 EGC receiver/decoder (check off the applicable box):

- Combined with INMARSAT SES     Separated from INMARSAT SES  
 Separated EGC receiver/decoder

Make and Type	Approved by	Location

7.3 HF NBDP for ships engaged exclusively on voyages of sea area A4 (check off the applicable box):

- Combined with MF/HF radio installation     Separated from MF/HF radio installation     N/A  
 Separated HF NBDP

Make and Type	Approved by	Location

**8. EPIRB Float Free ( IV/7 ) (check off the applicable box):**

8.1  VHF EPIRB  COSPAS-SARSAT(406MHz)

Make and Type	Approved by	Location

8.2 Data of unique beacon identification code (15-digit hexadecimal code) : .....

8.3 Type of release sensor : .....

**9. Search and Rescue Locating Devices (III/6, IV/7)**

9.1 Search and Rescue Locating Devices

Make & Type	Approved by	Location
1 <input type="checkbox"/> SART or <input type="checkbox"/> AIS-SART		
2 <input type="checkbox"/> SART or <input type="checkbox"/> AIS-SART		
3 <input type="checkbox"/> SART or <input type="checkbox"/> AIS-SART		

9.2 Is the ship's search and rescue locating device one of those of survival craft? (IV/7)  
 YES  NO

**10. Two-way VHF Radiotelephone Apparatus (III/6)**

Make and Type	Channels	Approved by	Power supply
1			<input type="checkbox"/> Primary batteries (Lithium batteries)
2			<input type="checkbox"/> Rechargeable batteries (Ni-Cd batteries)
3			

10.1 If rechargeable batteries are used, is a charging arrangement available? Y N N/A

**11. Additional Requirements for Passenger Ships**  N/A

11.1 Distress Panel for initiating a distress alert. (IV/6.4)  YES  NO

11.2 Continuous and automatic supply of ship's position to all relevant radiocommunication equipment. (IV/6.5)  
 YES  NO

11.3 Distress Alarm Panel for indicating received distress alerts. (IV/6.6)  YES  NO

11.4 Satellite EPIRB (IV/6.4)

11.4.1 Remote activation of the satellite EPIRB of the item 8 above.  YES  NO

11.4.2 Additional Satellite EPIRB, in case the item 11.4.1 above is "NO"

Make and Type	Approved by	Location

1) Data of unique beacon identification code (15-digit hexadecimal code) : .....

2) Type of release device : .....

11.5 Two-way on-scene radiocommunications for search and rescue purposes using the aeronautical frequencies 121.5 MHz and 123.1 MHz. (IV/7.2)

Make and Type	Frequencies	Approved by

11.6 Fixed Two-way VHF Radiotelephone Apparatus for a survival craft. (III/6.2.1.1)  YES  N/A

Make and Type	Channels	Approved by

11.7 Search and Rescue Location Device for Liferafts on Ro-Ro Passenger Ships (III/26.1.4)  YES  N/A

Make & Type	Sets	Approved by
<input type="checkbox"/> SART or <input type="checkbox"/> AIS-SART		
<input type="checkbox"/> SART or <input type="checkbox"/> AIS-SART		

**12. Shipborne Radio Navigational Equipment (V/19) and Additional Equipment of Radio Facilities:**

12.1 Radar and Plotting

Make and Type	Size of display	Band	Plotting	Approved by	Power supply
1		<input type="checkbox"/> 9GHz	<input type="checkbox"/> ARPA <input checked="" type="checkbox"/> ATA <input type="checkbox"/> EPA		
2		<input type="checkbox"/> 9GHz <input type="checkbox"/> 5GHz <input type="checkbox"/> 3GHz	<input type="checkbox"/> ARPA <input type="checkbox"/> ATA <input type="checkbox"/> EPA		
3		<input type="checkbox"/> 9GHz <input type="checkbox"/> 5GHz <input type="checkbox"/> 3GHz	<input type="checkbox"/> ARPA <input type="checkbox"/> ATA <input type="checkbox"/> EPA		

12.2 Other radio equipment

Equipment	Make and Type
Global Position fixing System (GPS)	No.1 : No.2 :
Inmarsat -F/-FB	
Automatic Identification System (AIS)	
Long Range Identification & Tracking (LRIT)	Approved by: <input type="checkbox"/> Exclusive use for LRIT (A1+A2, A1+A2+A3, A1+A2+A3+A4) <input type="checkbox"/> Shared use with <input type="checkbox"/> GMDSS <input type="checkbox"/> SSAS
On-board Communication Apparatus	

13. Exemption (IV/3)

14. Special features or additional information, if any

15. **Equipment renewed, alterations and/or additions effected since the Record was prepared**

Item No.	Description	Surveyor/Port/Date

**NIPPON KAIJI KYOKAI**

Tested / measured by

Surveyed by

\_\_\_\_\_  
 ( \_\_\_\_\_ )  
 Radio Inspector, Company :

\_\_\_\_\_  
 ( \_\_\_\_\_ )  
 Surveyor, \_\_\_\_\_ office