

國家通訊傳播委員會公告

中華民國113年8月23日

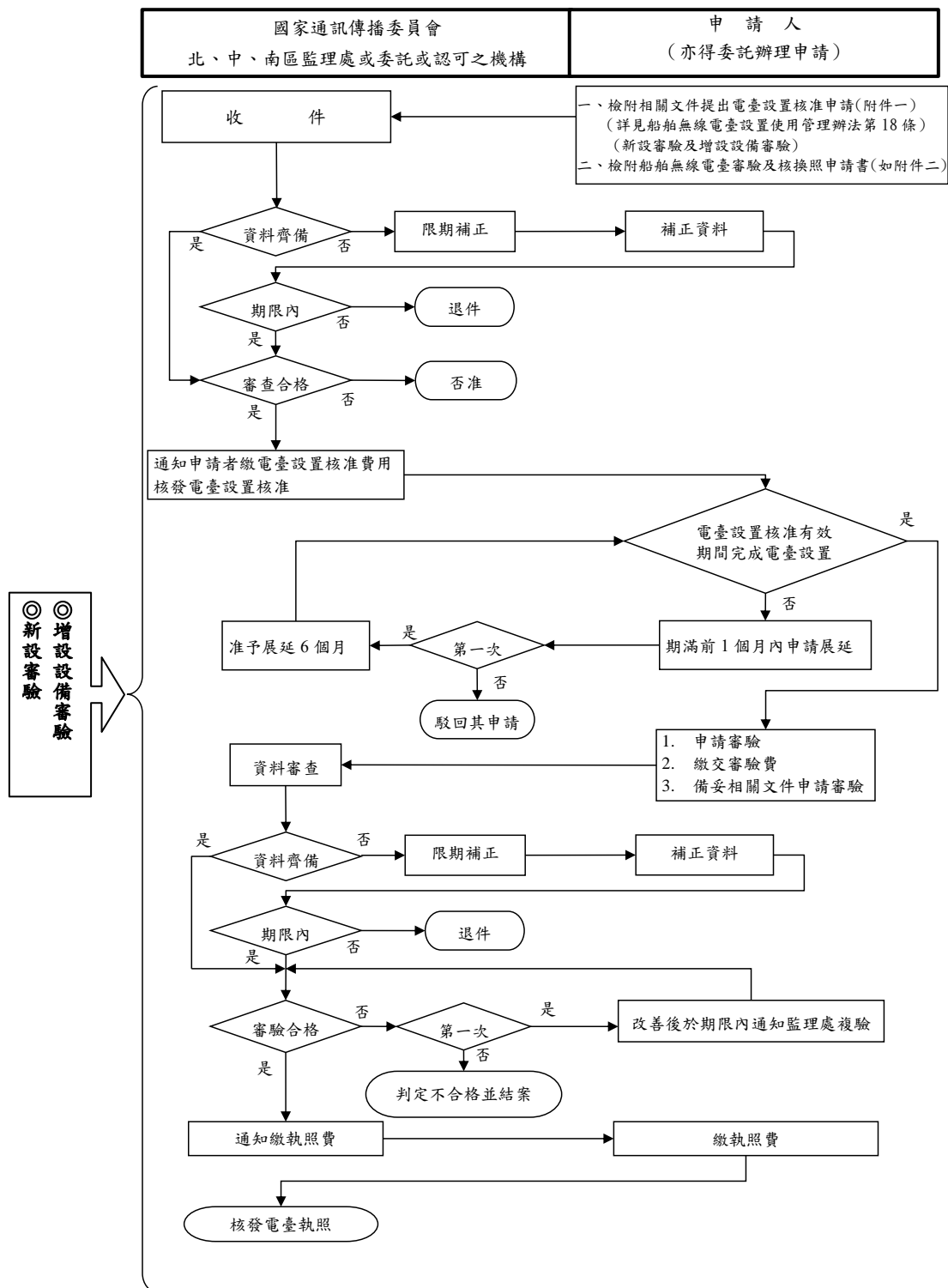
通傳基礎字第11365019100號

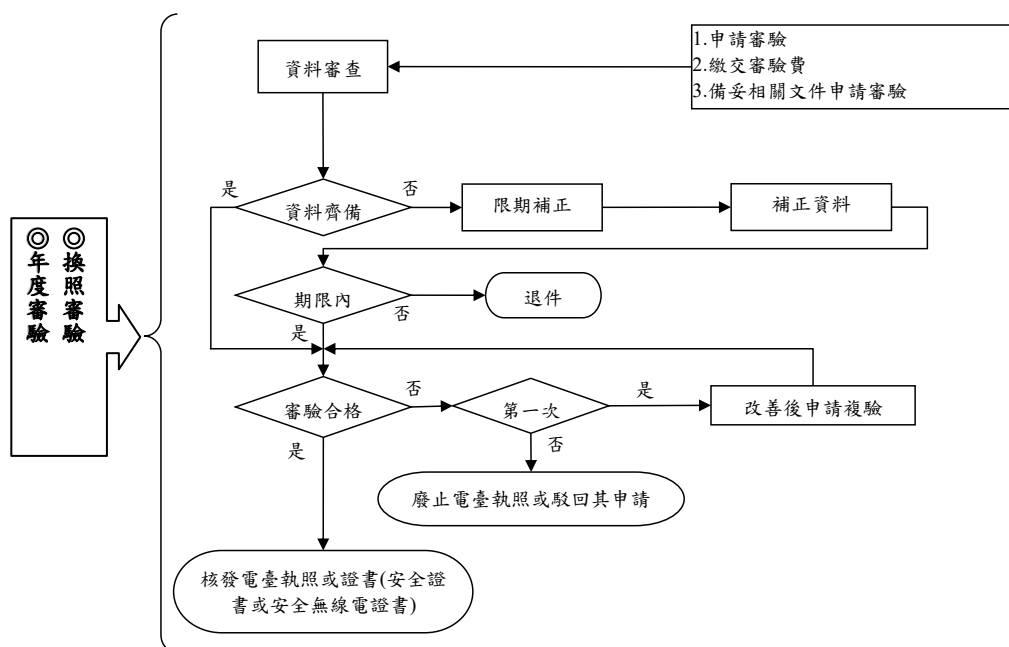
主 旨：公告「船舶無線電臺設置使用管理辦法相關書表及申請流程格式」，並自即日生效。

依 據：電信管理法第五十條第七項授權訂定之船舶無線電臺設置使用管理辦法第二十四條。

公告事項：「船舶無線電臺設置使用管理辦法相關書表及申請流程格式」如附件。

## 船舶無線電臺設置及審驗作業流程圖





備註：

- 一、航行國際航線適用海上人命安全國際公約之船舶及遠洋漁船，由始日起算，每屆滿一年之前後三個月內。(詳見船舶無線電臺設置使用管理辦法第19條第4項)(年度審驗)
- 二、航行國際航線不適用海上人命安全國際公約之船舶，在執照有效期限屆滿前三個月起二個月內。(詳見船舶無線電臺設置使用管理辦法第20條第2項第2款)(換照審驗)
- 三、前兩項船舶以外之船舶，在執照有效期限屆滿前三個月起二個月內，船舶所有人得檢附船舶無線電臺屆期換照自主檢查表，報請主管機關核准換發電臺執照。但必要時，主管機關得辦理審驗。(詳見船舶無線電臺設置使用管理辦法第20條第2項第3款)(換照審驗)
- 四、船舶無線電臺審驗作業說明詳如第3頁。

### 船舶無線電臺審驗作業說明

1. 船舶無線電臺之審驗適用於新設審驗(Initial Survey)、年度審驗(Annual Survey)、換照審驗(Renewal Survey)及增設設備審驗(Add Equipment Survey)。
2. 船舶無線電臺審驗時，審驗人員應審核是否與原申請電臺設置核准之申請書或原船舶無線電臺執照記載事項相符，並製作船舶電臺審驗報告。
3. 船舶無線電臺設備之審驗應依下列規定逐項審驗。
  - (1) 非全球海上遇險及安全系統船舶無線電臺之通信設備，應依「非全球海上遇險及安全系統船舶無線電臺審驗報告」(附件三)進行審驗。
  - (2) 非全球海上遇險及安全系統之船舶用無線電對講機，應依「非全球海上遇險及安全系統之船舶用無線電對講機審驗報告」(附件四)進行審驗。
  - (3) 全球海上遇險及安全系統船舶無線電臺之通信設備，應依「全球海上遇險及安全系統船舶無線電臺審驗報告」(附件五)(含附表五—I 船舶安全無線電設備審驗表、附表五—II 船舶安全無線電設備紀錄)進行審驗。
4. 依船舶無線電臺設置使用管理辦法第十八條第一項規定，船舶申請設置 27MHz 頻帶船舶用無線電對講機(DSB)，免予申請電臺設置核准，經審驗合格後，核發船舶無線電臺執照。
5. 依船舶無線電臺設置使用管理辦法第二十條第二項規定，僅設置船舶用無線電對講機並取得專用執照者，其執照屆滿免經審驗得逕予換發新照；惟另裝設其他船舶無線電信設備，仍應經審驗合格後換發新照。
6. 已於國外電臺設置並經主管機關委託或認可之機構完成審驗者，直接申請船舶無線電臺執照時，審核人員應審核該審驗機構之審驗報告內容是否與原申請記載事項。

附件一

船舶無線電臺設備設置核准申請書

☐新設電臺

☐增設設備

☐遺失補發

☐其它：\_\_\_\_\_

填表日期：\_\_年\_\_月\_\_日

申請人		簽章		電話		聯絡電話：	
地 址				行動電話：			
船名	中文				原/核配呼號		
	英文						
總噸位及船長		噸		公尺		船舶種類或用途	
航行區域或作業漁區				所屬區漁會		船舶籍港	
船舶號數(或小船編號)、漁船統一編號				MMSI 號碼		IMO 編號	
電臺種類		非 GMDSS 電臺		<input type="checkbox"/> DSB 無線電對講機			
				<input type="checkbox"/> 客船特高頻（VHF）無線電話臺			
				<input type="checkbox"/> 非客船特高頻（VHF）無線電話臺			
				<input type="checkbox"/> 遠洋 SSB 無線電話臺			
				<input type="checkbox"/> 沿近海 SSB 無線電話臺			
				<input type="checkbox"/> GMDSS 電臺			
設備	機件名稱	廠牌		型號	數量	功率(w)	頻率
主要							
備用							
其他							
收件：				審核意見：			

備註：

一、船舶所有人委託他人辦理請填寫背面委託書。

二、新造或進口船舶應附有航政或各級漁政主管機關同意新建(購)函或遊艇驗證報告等證明文件。

三、舊船應附有船舶國籍證書、小船執照、遊艇證書或漁業執照等證明文件。

四、增設電臺設備應檢附原電臺執照影本。

五、申請之電臺設備應檢附各項設備之機件規格說明書或型錄。

# 委 託 書

茲委託 代理所屬船舶（ 船舶名稱 ）申請  
船舶無線電臺設備設置核准  
此致

國家通訊傳播委員會 ☐ 北區監理處  
☐ 中區監理處  
☐ 南區監理處  
☐ 委託或認可之機構

船舶所有人：

地 址：

電 話(O)：

電 話(M)：

受委託人：

地 址：

電 話(O)：

電 話(M)：

中 華 民 國                      年                      月                      日

## 附件二

## 船舶無線電臺審驗及核換照申請書

為\_\_\_\_\_ (船名) (船舶號數：\_\_\_\_\_ MMSI (水上行動業務識別碼)：\_\_\_\_\_)

1. ☐ 新設船舶無線電臺 (核發船舶無線電臺執照)
2. ☐ 換發船舶無線電臺執照 (☐ 屆期換發 ☐ 過戶換發) 及併同申報電臺器材之數量、流向、用途及狀態與執照登載內容相同
3. ☐ 增設船舶無線電信設備 (☐ 註記變更 ☐ 換發船舶無線電臺執照) 及併同申報電臺器材之數量、流向、用途及狀態與執照登載內容相同。
4. ☐ 遺失補發 ☐ 其他異動事項\_\_\_\_\_ (☐ 註記變更 ☐ 換發船舶無線電臺執照)

(1、3 必須辦理現場查驗。各類審驗作業應檢附文件，詳如背面說明)

此致

☐ 北國家通訊傳播委員會 ☐ 中區監理處☐ 南☐ 委託或認可之機構

船舶所有人：

住址：

電話：(     )

E-Mail：

傳真：(     )

受委託人 (代理經辦廠商)：

住址：

電話：(     )

E-Mail：

傳真：(     )

中華民國

年

月

日

## 各類審驗作業應檢附文件

### 壹、自主檢查

(註：1. 遠洋漁船及航行國際航線之船舶不適用 2. 必要時本會得辦理現場查驗)

檢附下列相關文件：

- ☐ 船舶無線電臺執照正本。
- ☐ 漁業執照影本。(漁船需檢附)
- ☐ 船舶檢查證書或船舶國籍證書。(非漁船須檢附)
- ☐ 小船執照或遊艇證書影本。(小船須檢附小船執照影本；遊艇須檢附遊艇證書影本)
- ☐ 自主檢查表 (請至本會網站下載，網址：  
<https://www.ncc.gov.tw/chinese/index.aspx> 業務申辦>專用電信業務>船舶無線電臺業務申辦>船舶無線電臺審驗及核換照)

### 貳、現場查驗

檢附下列相關文件：

- ☐ 船舶無線電臺執照正本。
- ☐ 漁業執照影本。(漁船需檢附)
- ☐ 船舶檢查證書或船舶國籍證書。(非漁船須檢附)
- ☐ 小船執照或遊艇證書影本。(小船須檢附小船執照影本；遊艇須檢附遊艇證書影本)

### 參、航行國際航線適用海上人命安全國際公約之船舶

檢附下列相關文件：

- ☐ 船舶無線電臺執照正本。
- ☐ 本會委託或認可之機構核簽署之安全證書或安全無線電證書。
- ☐ 本會委託或認可之機構出具之審驗報告
- ☐ 船舶檢查證書或船舶國籍證書。
- ☐ GMDSS 船舶無線電臺之岸上維修合約書。



附件三 國家通訊傳播委員會

非全球海上遇險及安全系統船舶無線電臺審驗報告

審驗日期：            /            /

審驗報告編號：

審驗地點：

一、基本資料

1. 船舶名稱：
2. 電臺呼號：
3. MMSI 號碼：
4. 船舶號數(或小船編號)：
5. 船舶所有人：
6. 船舶種類：
7. 船籍港：
8. 航行海域：
9. 電臺種類：
10. 換照期限(年)：
11. 電臺執照：有效日期        /        /
12. 總噸數：
13. 漁船統一編號：

(請將審驗結果於□中填入x，若無該項設備時填入 N. A. )

二、設備測試

1. 裝設中/高頻(M/HF)無線電設備..... 

是 否

☐ ☐

(有裝設者，始審驗 1.1~1.8)
- 1.1 收發話機具備開關或按鈕，能於緊急時立即使用 2182kHz 呼救頻率 ..... 

是 否

☐ ☐
- 1.2 各發送頻率皆已預為調妥，而能快速變換..... 

☐ ☐ 不適用
- 1.3 發話機輸出電功率超過 400W(PEP)..... 

☐ ☐ 適用
- 1.4 裝設中/高頻數位選擇呼叫接收、發射設備者，其數位選擇呼叫號碼燒錄正確..... 

☐ ☐ ☐
- 1.5 裝設中/高頻數位選擇呼叫守聽接收設備者，能產生清晰警報聲響..... 

☐ ☐ ☐

1.6 中/高頻(M/HF)無線電話之主要設備功率及頻率容許差度測試

Carrier Frequency (MHz)	Assigned Frequency (MHz)	Class of Emission	Radiated Power (W) ( P E P )	Measured Carrier Frequency(MHz)	Frequency Tolerances(Hz)	Tolerances Standard(Hz)
2.182	2.1834	J/H3E				± 4 0 H z
8.255	8.2564	J3E				± 5 0 H z
*以下頻率擇一測試						
4.125	4.1264	J3E				
6.215	6.2164					
12.290	12.2914					
27.065*	27.065	A3E				

※ 27.065MHz 為 DSB 緊急遇險共同呼叫頻率亦應測試

1.7 中/高頻（M/HF）無線電話之備用設備功率及頻率容許差度測試（若有裝設）

Frequency (MHz)	Assigned Frequency (MHz)	Class of Emission	Radiated Power (W) (P E P)	Measured Carrier Frequency(MHz)	Frequency Tolerances(Hz)	Tolerances Standard(Hz)
2.182	2.1834	J/H3E				± 4 0 H z
8.255	8.2564	J3E				
*以下頻率擇一測試						
4.125	4.1264	J3E				
6.215	6.2164					± 5 0 H z
12.290	12.2914					

1.8 中/高頻（M/HF）無線電設備

廠 牌	型、序號	頻率範圍

是 否

2. 裝設特高頻（VHF）無線電設備..... ☐ ☐  
（有裝設者，始審驗 2.1~2.3）

待 測 頻 道	待 測 頻 率(MHz)	Radiated Power (≤25W，並可降低至 1W)	Measured Carrier Frequency(MHz)	Frequency Tolerances(Hz)	Tolerances Standard(Hz)
13	156.65				± 1 0 P P M
16	156.80				
1*	156.05				
3*	156.15				
28*	157.40				

\*這些頻道可擇一測試

是 否

2.1 與其他電臺或特高頻手持式雙向無線電話測試能正常通話..... ☐ ☐ 不適用  
2.2 裝設特高頻數位選擇呼叫接收、發射設備者，其數位選擇呼叫號碼  
燒錄正確..... ☐ ☐ ☐

2.3 特高頻（VHF）無線電設備

廠 牌	型、序號	頻率範圍

## 3. 應急指位無線電示標 (EPIRB)

廠 牌	型、序號	MMSI 號碼	電池有效日期 (月/年)

是 否

3.1 衛星應急指位無線電示標燒錄 MMSI 號碼正確..... ☐ ☐3.2 應急指位無線電示標能正常操作..... ☐ ☐

3.3 自動浮離裝置有效日期：            年            月

是 否

4. 裝設航行警告電傳接收機 (NAVTEX) ..... ☐ ☐

(有裝設者，始審驗 4.1~4.2)

是 否

4.1 航行警告電傳接收機自動測試功能正常..... ☐ ☐4.2 檢視最近所接收之列印資訊正常..... ☐ ☐

廠 牌	型、序號	樣式
		<input type="checkbox"/> 國際頻率 518kHz
		<input type="checkbox"/> 國內區域性頻率

是 否

5. 裝設搜救定位裝置【雷達詢答機(SART) 或 AIS 搜救發送器(AIS-SART)】 ☐ ☐

(有裝設者，始審驗 5.1~5.2)

是 否

5.1 配合船上 9 GHz 雷達或 AIS，產生定位信號正常 (若有裝置) ..... ☐ ☐5.2 安裝位置及固定方式適當..... ☐ ☐

廠 牌	型、序號	電池有效日期
		年            月
		年            月

是 否

6. 手持式雙向特高頻無線電話

6.1 與其他電臺或特高頻手持式雙向無線電話測試能正常通話..... ☐ ☐

6.2 採用充電電池，船上應有充電設施；採用原電池（一次使用）應於電池

有效日期期限內..... ☐ ☐

7. 其他設備：

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三、審驗意見：

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☐ 國家通訊傳播委員會 北/中/南區監理處

☐ 經主管機關委託或認可之機構

公司行號：

公司印章：

審驗人

簽章

年 月 日

委託審驗結果書面審核人：

☐ 基本資料相符。

☐ 申請記載事項與原船舶無線電臺執照、設置核准或專案核准內容等相符。

附件四 國家通訊傳播委員會

非全球海上遇險及安全系統之船舶用無線電對講機審驗報告

中華民國 年 月 日

一、27MHz 船舶用無線電對講機

船舶資料	船 名			
	船舶所有人			
	船舶號數（或小船編號、漁船統一編號）			
	所屬區漁會或船籍港			
證照記錄事項	執照字號及日期			
	異動記錄			
對講機廠牌及型式				
發射機部分	實測功率			
	規定頻率	27.065MHz	實測頻率 （容許差度） 50 PPM	
	※ 90%<最大調幅度<100%			
審驗編號				
審驗結果	合 格			
	不合格			
備註				

※如因場地、器材或時間因素限制時，可選擇性測試。

二、有增設其他船舶電信設備，仍應配合附件三非全球海上遇險及安全系統船舶無線電臺審驗報告相關項目辦理審驗。

- ☐ 國家通訊傳播委員會 北/中/南區監理處
- ☐ 經主管機關委託或認可之機構
- 公司行號：

公司印章：審驗人簽章

年 月 日

委託審驗結果書面審核人：

- ☐ 基本資料相符。
- ☐ 申請記載事項與原船舶無線電臺執照、設置核准或專案核准文件內容等相符。

附件五

中華民國國家通訊傳播委員會  
全球海上遇險及安全系統船舶無線電臺審驗報告

NATIONAL COMMUNICATIONS COMMISSION  
REPUBLIC OF CHINA

Survey Report of Ship Radio Installations  
( GMDSS )

Two Parts are included

I. Check List for the Report of Ship Radio Installations

II. RECORD OF SHIP SAFETY RADIO

附表五-I

中華民國國家通訊傳播委員會  
船舶安全無線電設備審驗表  
(GMDSS 設備)

NATIONAL COMMUNICATIONS COMMISSION  
REPUBLIC OF CHINA  
Check List for the Report of Ship Radio Installations  
(GMDSS)

<input type="checkbox"/> 初次審驗	<input type="checkbox"/> 換證審驗	<input type="checkbox"/> 年度審驗	<input type="checkbox"/> 額外審驗
Report No	Date issued	Issued at	
Name of ship	IMO No	Call Sign	MMSI
Ship number	Port of Registry	Keel Laid	Gross Tonnage
Ship Owner and Address			
Place of Survery <input type="checkbox"/> In drydock <input type="checkbox"/> On slipway <input type="checkbox"/> Afloat	Survery commenced Mm/dd/year	Survery completed Mm/dd/year	

Conclusion

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Suveryor \_\_\_\_\_

Note: Fill out the blanks and check with "X" as appropriate in ☐

## NATIONAL COMMUNICATIONS COMMISSION REPUBLIC OF CHINA

## Check list for the survey of Ship Radio Installations

<b>1. Basic Data</b>																			
1.1	Ship navigating sea areas (Reg. IV/2, 8, 9, 10, 11) <input type="checkbox"/> A1 <input type="checkbox"/> A1+A2 <input type="checkbox"/> A1+A2+A3 <input type="checkbox"/> A1+A2+A3+A4																		
1.2	Methods of ensuring availability of Equipment (Reg. IV/15) <input type="checkbox"/> Duplication of equipment <input type="checkbox"/> shore based maintenance <input type="checkbox"/> At-sea electronic maintenance capacity																		
1.3	Actual Provision of ship's radio equipment <table border="0"><tr><td></td><td>VHF</td><td>MF</td><td>MF/HF</td><td>INMARSAT</td><td><input type="checkbox"/>B/<input type="checkbox"/>C/<input type="checkbox"/>F77</td></tr><tr><td>Primary System:</td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td></td></tr><tr><td>Duplicated System:</td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td></td></tr></table>		VHF	MF	MF/HF	INMARSAT	<input type="checkbox"/> B/ <input type="checkbox"/> C/ <input type="checkbox"/> F77	Primary System:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Duplicated System:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	VHF	MF	MF/HF	INMARSAT	<input type="checkbox"/> B/ <input type="checkbox"/> C/ <input type="checkbox"/> F77														
Primary System:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>															
Duplicated System:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>															
<b>2. General</b>																			
2.1	Confirming that any new equipment has been properly approved before installation and that no changes have been made such as would affect the validity of the certificate.....[   ]																		
2.2	Radio records kept in the period since the last survey to the satisfaction of the Administration and as required by the Radio Regulations (Reg. IV/17).....[   ]																		
2.3	Checking documentary evidence that the actual capacity of the battery has been proved in port within the last 12 months (Reg. IV/13) .....[   ]																		
2.4	Confirming that all Radio equipment complies with appropriate performance standards not inferior to those adopted by IMO (Reg. IV/14).....[   ]																		
<b>3. Examination of radio installations</b>																			
3.1	Examining the position, physical and electromagnetic protection and illumination of each radio installation (Reg. IV/6).....[   ]																		
3.2	Confirming the provision of equipment for the radio installation with due regard to the declared sea areas in which the ship will trade and the declared means of maintaining availability of functional requirements (Reg. III/6, IV/7 to 11, 14 and 15).....[   ]																		
3.3	Confirming the ability to initiate the transmission of ship-to-shore distress alerts by at least two separate and independent means, each using a different radiocommunication service, from the position from which the ship is normally navigated (Reg. IV/4, 7 to 11).....[   ]																		
3.3.1	Secondary means of alerting <input type="checkbox"/> VHF(DSC) <input type="checkbox"/> INMARSAT-B/-F77 <input type="checkbox"/> INMARSAT-C <input type="checkbox"/> MF(DSC) <input type="checkbox"/> HF(DSC) <input type="checkbox"/> VHF EPIRB <input type="checkbox"/> 406MHz EPIRB (close to, or by remote activation from bridge)																		
3.4	Checking that the following ship's radio equipment operates from the main, emergency (if provided) and reserve sources of energy (Reg. IV/13).....[   ] <table border="0"><tr><td></td><td>VHF</td><td>MF</td><td>MF/HF</td><td>INMARSAT</td><td><input type="checkbox"/>B/<input type="checkbox"/>C/<input type="checkbox"/>F77</td></tr><tr><td>Primary System:</td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td></td></tr><tr><td>Duplicated System:</td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td></td></tr></table>		VHF	MF	MF/HF	INMARSAT	<input type="checkbox"/> B/ <input type="checkbox"/> C/ <input type="checkbox"/> F77	Primary System:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Duplicated System:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	VHF	MF	MF/HF	INMARSAT	<input type="checkbox"/> B/ <input type="checkbox"/> C/ <input type="checkbox"/> F77														
Primary System:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>															
Duplicated System:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>															
3.5	Antennas																		
3.5.1	Visually checking all antennas, including INMARSAT antennas, and feeders for satisfactory sitting and absence of defects (Reg. IV/14).....[   ]																		
3.5.2	Checking insulation and safety of all antennas.....[   ]																		
3.6	Reserve source of energy																		
3.6.1	Checking there is sufficient capacity to operate the basic or duplicated equipment for 1 hour(with emergency sources) or 6 hours(without emergency sources), as appropriate (Reg. IV/13).....[   ]																		
3.6.2	And, if the reserve source of energy is a battery:																		
3.6.2.1	Checking its sitting and installation(Reg. IV/13).....[   ]																		
3.6.2.2	Where appropriate, checking its condition by <input type="checkbox"/> specific gravity measurement or <input type="checkbox"/> voltage measurement – specific gravity = _____ or voltage = _____ volts.....[   ]																		
3.6.2.3	With the battery off charge, and the maximum required radio installation load connected to the reserve source of energy, checking the battery voltage and discharge current.....[   ]																		
3.6.2.4	Checking that the charger(s) are capable of recharging the reserve battery within 10 hours (Reg. IV/13).....[   ]																		



## NATIONAL COMMUNICATIONS COMMISSION REPUBLIC OF CHINA

## Check list for the survey of Ship Radio Installations

Survey condition code as follows:

- |                    |  |
|--------------------|--|
| 0 : Not applicable | 2 : Satisfactory after treatment, see further reports in head page/ Memoranda                |
| 1 : Satisfactory   | 3 : Outstanding recommendation/ Surveyor's note, see further reports in head page/ Memoranda |

Note: Entries in boxes ☐ shall be made by inserting a cross (x) as appropriate.

- 3.7 VHF transceiver(s), ☐ Primary ☐ Duplicated
- 3.7.1 Checking for operation on channels 6,13 and 16 (Reg. IV/7 and 14).....[ ]
- 3.7.2 Checking for correct operation of all controls, including priority of control units (Reg. IV/14).....[ ]
- 3.7.3 Checking the operation of the VHF control unit(s) or portable VHF transceiver provided for navigational safety from the wing of bridge (Reg. IV/6).....[ ]
- 3.7.4 Checking for correct operation by on-air contact with ☐ a coast station or ☐ other ship.....[ ]
- 3.8 VHF DSC, ☐ Primary ☐ Duplicated
- 3.8.1 Confirming that the correct selective calling number is programmed in the equipment.....[ ]
- 3.8.2 Checking the off-air self-test programme.....[ ]
- 3.8.3 Checking for correct transmission by means of ☐ a routine or ☐ test call to ☐ a coast station,  
☐ other ship, ☐ on-board duplicate equipment or ☐ special test equipment.....[ ]
- 3.9 CH70 DSC watch receiver, ☐ Primary ☐ Duplicated
- 3.9.1 Checking for correct reception by means of a ☐ routine or ☐ test call from ☐ coast station,  
☐ other ship, ☐ on-board duplicate equipment or ☐ special test equipment.....[ ]
- 3.9.2 Checking that a continuous watch is being maintained whilst operating VHF transceiver.....[ ]
- 3.9.3 Checking the audibility of the VHF/DSC alarm.....[ ]
- 3.10 MF radiotelephone equipment ☐ Primary ☐ Duplicated
- 3.10.1 Checking the antenna tuning in all appropriate bands.....[ ]
- 3.10.2 Checking for correct operation by contact with ☐ a coast station and / or ☐ measuring  
transmission line quality and ☐ radio frequency output.....[ ]
- 3.10.3 Checking receiver performance by monitoring known stations on all appropriate bands .....[ ]
- 3.10.4 If control units are provided outside the navigating bridge, checking the control unit on the bridge has first priority for the purpose of initiating distress alerts (Reg. IV/9, 10, and 14).....[ ]
- 3.11 MF DSC controller(s) ☐ Primary ☐ Duplicated
- 3.11.1 Confirming that the correct Maritime Mobile Service Identity is programmed in the equipment.....[ ]
- 3.11.2 Checking the off-air self-test programme.....[ ]
- 3.11.3 Checking operation by means of a test call on MF to a coast radio station if the rules of the berth permit the use of MF transmissions (Reg. IV/9, 10 ).....[ ]
- 3.12 MF DSC watch receiver(s) ☐ Primary ☐ Duplicated
- 3.12.1 Checking that a continuous watch is being maintained whilst operating MF radio transceivers (Reg. IV/12).....[ ]
- 3.12.2 Checking for correct operation by means of a test call from ☐ a coast station or ☐ other ship.....[ ]
- 3.12.3 Checking the audibility of the MF DSC alarm.....[ ]
- 3.13 MF/HF radiotelephone equipment, ☐ Primary ☐ Duplicated
- 3.13.1 Checking the antenna tuning in all appropriate bands.....[ ]
- 3.13.2 Checking for correct operation by contact with ☐ a coast station and / or ☐ measuring  
transmission line quality and ☐ radio frequency output.....[ ]
- 3.13.3 Checking receiver performance by monitoring known stations on all appropriate bands.....[ ]

## NATIONAL COMMUNICATIONS COMMISSION REPUBLIC OF CHINA

## Check list for the survey of Ship Radio Installations

- 3.13.4 If control units are provided outside the navigating bridge, checking the control unit on the bridge has first priority for the purpose of initiating distress alerts (Reg. IV/9, 10, and 14).....[ ]
- 3.14 MF/HF radiotelex equipment, ☐Primary ☐Duplicated
- 3.14.1 Confirming that the correct selective calling number is programmed in the equipment.....[ ]
- 3.14.2 Checking correct operation ☐by inspection of recent hard copy or ☐by a test with a coast radio Station (Reg. IV/10 and 11).....[ ]
- 3.15 MF/HF DSC controller(s), ☐Primary ☐Duplicated
- 3.15.1 Confirming that the correct Maritime Mobile Service Identity is programmed in the equipment.....[ ]
- 3.15.2 Checking the off-air self-test programme.....[ ]
- 3.15.3 Checking operation by means of a test call on MF and HF to a coast radio station if the rules of the berth permit the use of MF/HF transmissions (Reg. IV/9, 10 ).....[ ]
- 3.16 MF/HF DSC watch receiver(s), ☐Primary ☐Duplicated
- 3.16.1 Checking that a continuous watch is being maintained whilst operating MF/HF radio transceivers (Reg. IV/12).....[ ]
- 3.16.2 Checking for correct operation by means of a test call from ☐a coast station or ☐other ship.....[ ]
- 3.16.3 Checking the audibility of the MF/HF DSC alarm.....[ ]
- 3.17 INMARSAT - ☐B, ☐C or ☐F77 ship earth station(s), ☐Primary ☐Duplicated
- 3.17.1 Checking that the correct INMARSAT Identity is programmed in the equipment.....[ ]
- 3.17.2 Checking that the equipment operates from the main, emergency (if provided) and reserve sources of energy, and that where an uninterrupted supply of information from the ship's navigational or other equipment is required ensuring such information remains available in the event of failure of the ship's main or emergency source of electrical power (Reg. IV/13 and 14).....[ ]
- 3.17.3 Checking the distress function by means of an approved test procedure where possible (Reg. IV/10, 12 and 14).....[ ]
- 3.17.4 Checking for correct operation by ☐inspection of recent hard copy or ☐by test call.....[ ]
- 3.18 NAVTEX equipment (Reg. IV/7, 12 and 14)
- 3.18.1 Checking for correct operation by ☐monitoring incoming messages or ☐inspecting recent hard copy.....[ ]
- 3.18.2 Running the self-test programme if provided.....[ ]
- 3.19 Enhanced group call equipment, if provided (Reg. IV/7 and 14)
- 3.19.1 Checking for correct operation and area by monitoring incoming messages or by inspecting recent hard copy.....[ ]
- 3.19.2 Running the self-test programme if provided.....[ ]
- 3.20 Radio equipment for receipt of maritime safety information by HF NBDP; if provided (Reg. IV/7, 12 and 14)
- 3.20.1 Checking for correct operation by ☐monitoring incoming messages or ☐inspecting recent hard copy.....[ ]
- 3.20.2 Running the self-test programme if provided.....[ ]
- 3.21 EPIRB, ☐406MHz ☐1.6GHz ☐CH 70 EPIRB (Reg. IV/7 and 14)
- 3.21.1 Checking position and mounting for float-free operation.....[ ]
- 3.21.2 Carrying out visual inspection for defects.....[ ]
- 3.21.3 Carrying out the self-test routine.....[ ]
- 3.21.4 Checking that the EPIRB Identity is clearly marked on the outside of the equipment and decoding the EPIRB identity number and confirming it is correct.....[ ]
- 3.21.5 Checking the battery expiry date:.....(D/M/Y).....[ ]
- 3.21.6 If provided, checking the hydrostatic release and its expiry date:.....(D/M/Y).....[ ]
- 3.22 Two-way VHF radiotelephone apparatus (Reg. III/6)
- 3.22.1 Checking for correct operation on channel 16 and one other by testing with another ☐fixed or ☐portable VHF installation(Reg.IV/14).....[ ]
- 3.22.2 Checking the battery charging arrangements, where rechargeable batteries are used (Reg.IV/14).....[ ]
- 3.22.3 Checking the expiry date of primary batteries, where used (Reg. IV/14)  
No.1.....No.2.....No.3.....(D/M/Y).....[ ]
- 3.22.4 Where appropriate, checking any fixed installation provided in a survival craft (Reg. IV/14).....[ ]
- 3.23 Search and rescue locating devices (☐Radar transponder/☐AIS-SART) (Reg. III/6, IV/7 and 14)
- 3.23.1 Checking the position and mounting.....[ ]
- 3.23.2 Monitoring response on ship's ☐9 GHz radar /☐AIS.....[ ]
- 3.23.3 Checking the battery expiry date: No.1.....No.2.....(D/M/Y).....[ ]
- 3.24 Examining the test equipment and spares carried to ensure carriage is adequate in accordance with the sea areas in which the ship trades and the declared options for maintaining availability of the functional requirements (Reg. IV/15).....[ ]

## NATIONAL COMMUNICATIONS COMMISSION REPUBLIC OF CHINA

### Check list for the survey of Ship Radio Installations

## 4 Documentation

- 4.1 A valid radio license issued by the flag Administration (ITU RR Art. 24)..... [ ]
- 4.2 ✳ Radio operator's certificates of competence (Reg. IV/16, ITU RR Art. 56, Chapter VIII / STCW)..... [ ]

* Name of Radio Operator	Class & Certificate No.	Certificate issued by

\* Entry in the box shall be made by inserting a cross (x) mark for the radio operator who is designated to have primary responsibility for radiocommunications during incidents.

- |     |  |     |
|-----|--|-----|
| 4.3 | Radio record (log) for GMDSS (Reg. IV/17 and ITU RR App. 11).....  | [ ] |
| 4.4 | Carriage of up-to-date ITU publications (ITU RR App. 11).....  | [ ] |
| 4.5 | Carriage of operating manuals for all equipment (Reg. IV/15).....  | [ ] |
| 4.6 | Carriage of service manuals for all equipment when at-sea maintenance is the declared option (Reg. IV/15)..... | [ ] |

**5. Equipment renewal, alteration and/ or addition ( for Chinese Flag only )**

- 5.1 All ☐ safety radiotelegraph installations / ☐ safety radiotelephone installations were disconnected from electric power along with antenna but their equipment are still kept on board.....[ ]

5.2 Equipment as mentioned in Ship Station License No. \_\_\_\_\_ issued by NATIONAL COMMUNICATIONS COMMISSION was checked and found :

☐ Not altered☐ Altered. List the equipments which has been altered in the following spaces

Equipment	Equipment(Newly installed on board) (Model and Quantity)	Equipment listed in the Ship Station License (Model and Quantity)
Primary		
Duplicated		
Others		

## 6. Survey Results

- ☐ The above survey items have been checked and found in compliance with relevant provisions of convention.

## 7. Memoranda

- ☐ Survey's Note  
☐ Outstanding Recommendation  
☐ The record of safety radio installation is updated if the equipment has been altered.

附表五-II

中華民國國家通訊傳播委員會  
船舶安全無線電設備記錄  
(GMDSS 設備)

NATIONAL COMMUNICATIONS COMMISSION  
REPUBLIC OF CHINA  
RECORD OF SHIP SAFETY RADIO  
(GMDSS)

To meet the provisions of the SOLAS 1974 as amended in 1988 for the GMDSS,the form must be kept on board and be available for inspection by a nominated surveyor or recognized organization at all times.

Report No.	Date issued	Issued at
Name of ship	IMO No.	Ship number
Port of Registry	Keel Laid	Gross Tonnage
Place of Survey <input type="checkbox"/> in drydock <input type="checkbox"/> on slipway <input type="checkbox"/> afloat	Survey commenced (mm/dd/year)	Survey completed (mm/dd/year)
Call Sign: ID for DSC( <input type="checkbox"/> MF/ <input type="checkbox"/> MF/HF): ID for INMARSAT-C: 1 <sup>st</sup> ID for INMARSAT-B: ID for INMARSAT-F77		ID for DSC(VHF): ID for NBDP: ID for Satellite EPIRB: 2 <sup>nd</sup> ID for INMARSAT-B:
Navigating Sea Areas: <input type="checkbox"/> A1 <input type="checkbox"/> A1+A2 <input type="checkbox"/> A1+A2+A3 <input type="checkbox"/> A1+A2+A3+A4		
Maintenance Requirements: <input type="checkbox"/> Duplication of Equipment <input type="checkbox"/> Shore-based Maintenance <input type="checkbox"/> At Sea Maintenance		

Note: Fill out the blanks and check with "x" as appropriate in ☐

## NATIONAL COMMUNICATIONS COMMISSION REPUBLIC OF CHINA

## Record of Ship Safety Radio

<b>1. Source of electrical power</b>					
1.1 Main Source of energy [Reg. IV/13.1]					
VAC x		kVA x		Set(s)	
1.2 Emergency Source of electrical power [Reg. II-1/42, 43]					
1.2.1 <input type="checkbox"/> Emergency generator					
VAC x		kVA x		Set(s) , Located , or	
1.2.2 <input type="checkbox"/> Accumulator batteries					
VDC x		Ah x		Set(s) , Located	
1.2.3 Equipment's operated by emergency source of electrical power for 18 hours or more.					
VHF radio installation of <input type="checkbox"/> primary / <input type="checkbox"/> Duplicated system with DSC watch receiver.....[ ]					
MF radio installation with DSC watch receiver.....[ ]					
MF/ HF radio installation of <input type="checkbox"/> Primary / <input type="checkbox"/> Duplicated system with DSC watch receiver.....[ ]					
INMARSAT SES of <input type="checkbox"/> Primary / <input type="checkbox"/> Duplicated system.....[ ]					
1.3 Reserve source of energy (battery) [Reg. IV/ I3]					
Manufacturer	Type	Voltage	Capacity	Specific Gravity of Acid	Located at
1.3.1 Type and maker of means of automatically charging.....[ ]					
1.3.2 Equipment operated by reserve source of energy for <input type="checkbox"/> 1 / <input type="checkbox"/> 6 hours or more.					
Emergency light for radio controller.....[ ]					
VHF radio installation of <input type="checkbox"/> Primary / <input type="checkbox"/> Duplicated system.....[ ]					
MF radio installation for Primary system.....[ ]					
MF/ HF radio installation of <input type="checkbox"/> Primary / <input type="checkbox"/> Duplicated system.....[ ]					
INMARSAT SES of <input type="checkbox"/> Primary / <input type="checkbox"/> Duplicated system.....[ ]					
<b>2. Radio life-saving appliances [Reg. II/6.2]</b>					
2.1 Two-way VHF radiotelephone apparatus					
No.	Manufacturer	Type (Serial No.)	Channels	Approved by	Locate at
1					
2					
3					
2.2 Search and rescue locating devices ( <input type="checkbox"/> Radar transponder/ <input type="checkbox"/> AIS-SART)					
No.	Manufacturer	Type (Serial No.)	Channels	Approved by	Located at
1					
2					
3					
<b>3. Radio installation [Reg. IV/6]</b>					
3.1 Location and environmental conditions of radio installation.....[ ]					
3.2 Emergency light for radio controller.....[ ]					
3.3 Clearly marking of call sign, ship's ID and other codes.....[ ]					

## NATIONAL COMMUNICATIONS COMMISSION REPUBLIC OF CHINA

## Record of Ship Safety Radio

4.	<b>Composition of radio installation [Reg. IV/8, 9, 10, 11 &amp; 15]</b>				
4.1	Primary system VHF..... <input type="checkbox"/> , MF/HF..... <input type="checkbox"/> , INMARSAT..... <input type="checkbox"/> /B/ <input type="checkbox"/> C/ <input type="checkbox"/> F77				
4.2	Duplicated system VHF..... <input type="checkbox"/> , MF/HF..... <input type="checkbox"/> , INMARSAT..... <input type="checkbox"/> /B/ <input type="checkbox"/> C/ <input type="checkbox"/> F77				
4.3	Second means of alerting INMARSAT..... <input type="checkbox"/> /B/ <input type="checkbox"/> C/ <input type="checkbox"/> F77 , VHF EPIRB..... <input type="checkbox"/> , INMARSAT EPIRB ..... <input type="checkbox"/> 406MHz EPIRB..... <input type="checkbox"/> , VHF DSC..... <input type="checkbox"/> , MF DSC..... <input type="checkbox"/> , MF/HF DSC..... <input type="checkbox"/>				
5.	<b>Primary system(P) &amp; duplicated system(D) [Reg. IV/7, 8, 9, 10 &amp; 11]</b>				
5.1	VHF radio installation				
	Manufacturer	Type (Serial No.)	Channels	Approved by	
	P				
	D				
5.1.1	Initiation of DSC distress alert on CH 70 from normal navigating position.....[ ]				
5.1.2	Highest priority of controller in wheel house.....[ ]				
5.1.3	Facilities of bridge wings communication. Extension cords..... <input type="checkbox"/> , Fixed handset line..... <input type="checkbox"/> , Portable VHF transceiver..... <input type="checkbox"/>				
5.1.4	VHF DSC Combined with VHF radio installation.....[ ] Separated from VHF radio installation.....[ ] —Separated VHF DSC				
	Manufacturer	Type (Serial No.)	Approved by	Located at	
	P				
	D				
5.1.5	VHF DSC watch receiver : Combined with VHF radio installation.....[ ] Separated from VHF radio installation.....[ ] —Separated VHF DSC watch receiver on CH 70				
	Manufacturer	Type (Serial No.)	Approved by	Located at	
	P				
	D				
5.1.6	Printer, if provided				
	Manufacturer			Type (Serial No.)	
	P				
	D				
5.2	MF radio installation				
	Manufacturer	Type (Serial No.)	Frequency range	Approved by	Located at
	P				
	D				
5.2.1	Initiation of DSC distress alert on 2187.5 kHz from navigating position.....[ ]				
5.2.2	MF DSC Combined with MF radio installation.....[ ] Separated from MF radio installation.....[ ] —Separated DSC installation				
	Manufacturer	Type (Serial No.)	Approved by	Located at	
	P				
	D				

## NATIONAL COMMUNICATIONS COMMISSION REPUBLIC OF CHINA

## Record of Ship Safety Radio

5.2.3	MF DSC watch receiver Combined with MF radio installation.....[ ] Separated from MF radio installation.....[ ] — Separated DSC watch receiver on 2187.5 kHz.																		
	<table border="1"><thead><tr><th></th><th>Manufacturer</th><th>Type (Serial No.)</th><th>Approved by</th><th>Located at</th></tr></thead><tbody><tr><td>P</td><td></td><td></td><td></td><td></td></tr><tr><td>D</td><td></td><td></td><td></td><td></td></tr></tbody></table>		Manufacturer	Type (Serial No.)	Approved by	Located at	P					D							
	Manufacturer	Type (Serial No.)	Approved by	Located at															
P																			
D																			
5.2.4	Printer, if provided.																		
	<table border="1"><thead><tr><th></th><th>Manufacturer</th><th>Type (Serial No.)</th></tr></thead><tbody><tr><td>P</td><td></td><td></td></tr><tr><td>D</td><td></td><td></td></tr></tbody></table>		Manufacturer	Type (Serial No.)	P			D											
	Manufacturer	Type (Serial No.)																	
P																			
D																			
5.3	MF/ HF radio installation.																		
	<table border="1"><thead><tr><th></th><th>Manufacturer</th><th>Type (Serial No.)</th><th>Type of battery</th><th>Approved by</th><th>Located at</th></tr></thead><tbody><tr><td>P</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>D</td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>		Manufacturer	Type (Serial No.)	Type of battery	Approved by	Located at	P						D					
	Manufacturer	Type (Serial No.)	Type of battery	Approved by	Located at														
P																			
D																			
5.3.1	Initiation of DSC distress alert from normal navigating position. <input type="checkbox"/> 2187.5 kHz <input type="checkbox"/> 4207.5 kHz <input type="checkbox"/> 6312 kHz <input type="checkbox"/> 8414.5 kHz <input type="checkbox"/> 12577 kHz <input type="checkbox"/> 16804.5 kHz.....[ ]																		
5.3.2	DSC distress alert watch frequencies in normal navigating position. <input type="checkbox"/> 2187.5 kHz <input type="checkbox"/> 4207.5 kHz <input type="checkbox"/> 6312 kHz <input type="checkbox"/> 8414.5 kHz <input type="checkbox"/> 12577 kHz <input type="checkbox"/> 16804.5 kHz.....[ ]																		
5.3.3	MF/ HF DSC Combined with MF/ HF radio installation.....[ ] Separated from MF/ HF radio installation.....[ ] — Separated MF/ HF DSC installation																		
	<table border="1"><thead><tr><th></th><th>Manufacturer</th><th>Type (Serial No.)</th><th>Approved by</th><th>Located at</th></tr></thead><tbody><tr><td>P</td><td></td><td></td><td></td><td></td></tr><tr><td>D</td><td></td><td></td><td></td><td></td></tr></tbody></table>		Manufacturer	Type (Serial No.)	Approved by	Located at	P					D							
	Manufacturer	Type (Serial No.)	Approved by	Located at															
P																			
D																			
5.3.4	MF/ HF DSC watch receiver Combined with MF/ HF radio installation.....[ ] Separated from MF/ HF radio installation.....[ ] — Separated MF/ HF DSC watch receiver																		
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5.3.5	Direct printing telegraphy Combined with MF/ HF radio installation.....[ ] Separated from MF/ HF radio installation.....[ ] — Separated direct printing telegraphy installation																		
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P																			
D																			
5.3.6	Printer, if provided.																		
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6.	<b>INMARSAT ship earth station. [Reg. IV/10 &amp; 11]</b>				
	<input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> F77	Manufacturer	Type (Serial No.)	Approved by	Located at
	P				
	D				
6.1	Initiation of distress alert from normal navigation position.....[ ]				
6.2	Antenna situation.....[ ]				
	as high as possible.....[ ]				
	in such a position that no obstacles to significantly degrade the performance.....[ ]				
6.3	In case of INMARSAT B, INMARSAT F77 or other tracking antenna.....[ ]				
	Continuous supply of ship's heading information				
7.	<b>MSI receiving facilities [Reg. IV/7 &amp; 12]</b>				
7.1	NAVTEX receiver				
	Manufacturer	Type (Serial No.)	Approved by	Located at	
7.2	EGC receiver/ decoder				
	built in INMARSAT-C.....[ ]				
	added to INMARSAT-B.....[ ]				
	added to INMARSAT-F77.....[ ]				
	separated from INMARSAT SES.....[ ]				
	— Separated/ added type of EGC receiver or decoder				
	Manufacturer	Type (Serial No.)	Approved by	Located at	
7.3	HF NBDP receiver				
	built in MF/ HF radio installation.....[ ]				
	separated from MF/ HF.....[ ]				
	— Separated HF NBDP receiver				
	Manufacturer	Type (Serial No.)	Approved by	Located at	
8.	<b>EPIRB [Reg. IV/6.4, 7]</b>				
8.1	VHF EPIRB (In case of ship navigating only in A1 Area).....[ ]				
	Manufacturer	Type (Serial No.)	Approved by	Located at	
8.2	Satellite EPIRB				
	COSPAS-SARSAT system (406 MHz).....[ ]				
	INMARSAT system (1.6 GHz).....[ ]				
	Manufacturer	Type (Serial No.)	Approved by	Located at	Homing Freq.
	No. 1				
	No. 2				
8.3	Float-free release and activation arrangements				
	Manufacturer	Type (Serial No.)	Approved by		
	No. 1				
	No. 2				
9.	Search and rescue locating devices [Reg. IV/7]				
9.1	One of those required by Reg. III/ 6.2.2 for survival craft.....[ ]				
9.2	Use exclusively on board ship.....[ ]				
	Search and rescue locating devices ( <input type="checkbox"/> Radar transponder/ <input type="checkbox"/> AIS-SART) used exclusively.				
	Manufacturer	Type (Serial No.)	Approved by	Located at	



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10.	<b>Radiotelephone distress frequency facilities on 2182 kHz [Reg. IV/7]</b>																				
10.1	<b>Radiotelephone distress frequency watch receiver</b>																				
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10.2	<b>Radiotelephone alarm signal generator</b>																				
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Manufacturer	Type (Serial No.)	Approved by	Located at																		
11.	<b>Position updating</b>																				
	Automatically provided by <input type="checkbox"/> GPS, <input type="checkbox"/> GLONASS, <input type="checkbox"/> .....[ ]																				
	Manually updated .....[ ]																				
12.	<b>Documents [Reg. IV/17 &amp; Appendix II Sec. VA of ITU Radio Regulation]</b>																				
12.1	Radio Station License.....[ ]																				
12.2 *	Certificates of radio personnel.....[ ]																				
12.2	Radio log.....[ ]																				
12.3	List of coast station.....[ ]																				
12.4	List of ship station.....[ ]																				
12.5	Manual for use by maritime mobile and maritime mobile-satellite service.....[ ]																				
13.	<b>Other equipment where provided</b>																				
	<table border="1"><tr><th>Item</th><th>Manufacturer</th><th>Type</th></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></table>	Item	Manufacturer	Type																	
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14.	<b>Particular of any special features or additional information</b>																				
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15.	<b>Equipment renewals, alterations and/or additions effected since the record was prepared.</b>																				
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Item number (*)	DESCRIPTION	Surveyor	Port	Date																	

Port .....

Date ..... Surveyor ..... Technician .....  
( ) ( )

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※ : This item is not required.