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GMDSS.1/Circ.21
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**MASTER PLAN OF SHORE-BASED FACILITIES FOR THE GLOBAL MARITIME
DISTRESS AND SAFETY SYSTEM (GMDSS MASTER PLAN)**

1 This circular supersedes GMDSS.1/Circ.20 and contains the latest information based on replies received from Member States. In order to facilitate the smooth migration of information into the GISIS system in the near future, the Secretariat has deleted obsolete information including entries on planned stations previously submitted by Member States. In addition, the Secretariat has deleted references to the Inmarsat B service which was terminated on 30 December 2016.

2 Member States are invited to bring the information to the attention of all Parties concerned.

3 Member States are further invited to check their national data in the annexed information for accuracy, and provide the necessary amendments highlighting the changes from this edition, as soon as possible, and to respond to MSC.1/Circ.1382/Rev.2, if they have not already done so. For ease of reference, the Secretariat has highlighted entries that are missing information or require updating in the relevant annexes, by using the abbreviation "N.I.".

4 Member States are invited to send information and queries to ncsr@imo.org. A Word version of MSC.1/Circ.1382/Rev.2 could also be requested through this email address.

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DEFINITIONS AND ABBREVIATIONS USED IN THE GMDSS MASTER PLAN

DEFINITIONS

NAV/MET Area *means* **a geographical sea area, as shown in the appendix**, for the purpose of coordinating the transmission of radio navigational warnings (NAVAREA) and meteorological information (METAREA).

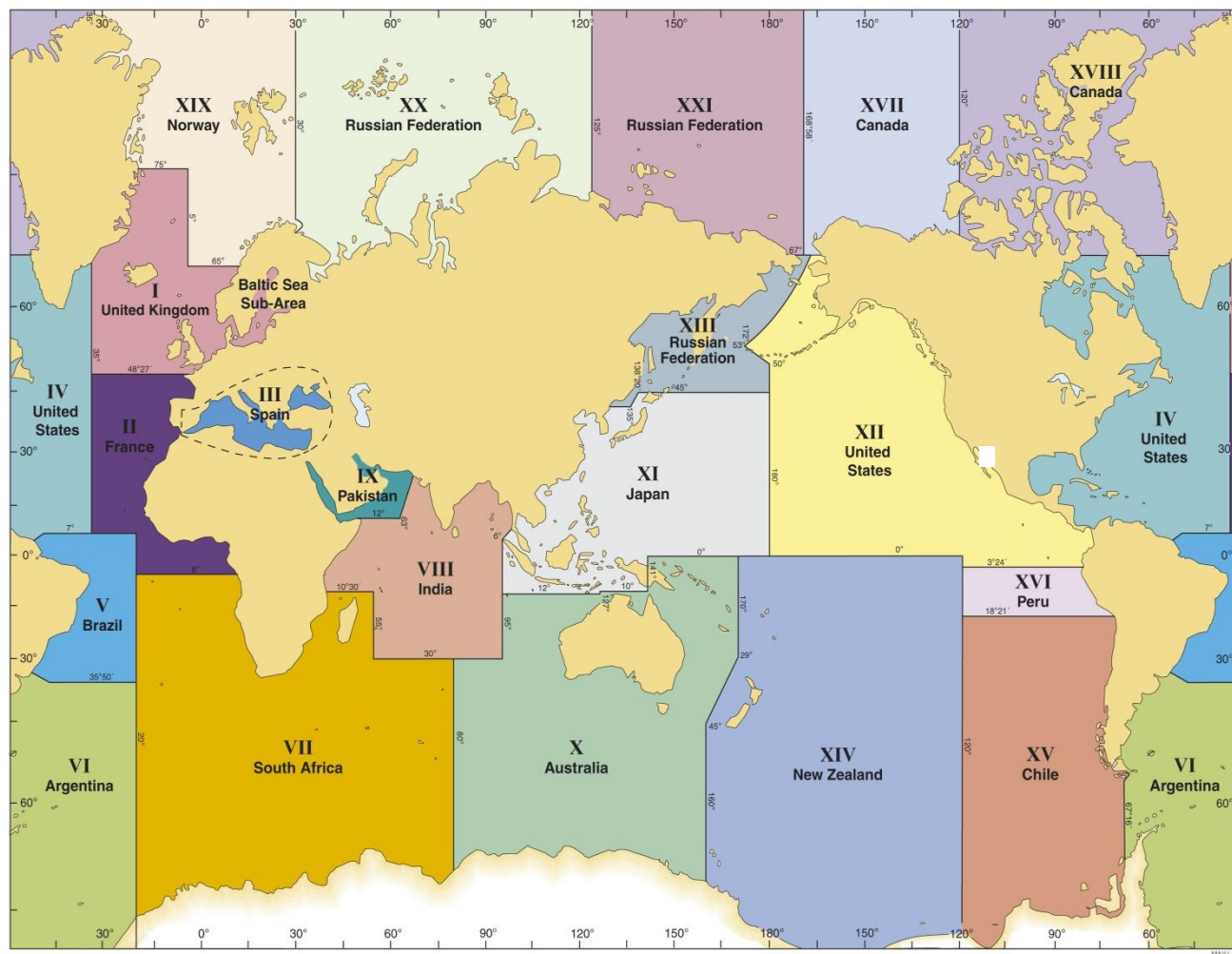
Monitor stations *include* **remote-controlled stations.**

ABBREVIATIONS

AOR-E	–	Atlantic Ocean Region-East
AOR-W	–	Atlantic Ocean Region-West
ARCC	–	Aeronautical Rescue Coordination Centre
CES	–	Coast Earth Station
DSC	–	Digital Selective Calling
EPIRB	–	Emergency Position-Indicating Radio Beacon
GSM	–	Global System for Mobile Communications
HF	–	High Frequency
IOR	–	Indian Ocean Region
LES	–	Land Earth Station
LUT	–	Cospas-Sarsat Local User Terminal
MCC	–	Cospas-Sarsat Mission Control Centre
MET	–	Meteorological Information
MF	–	Medium Frequency
MMSI	–	Maritime Mobile Service Identities
MRCC	–	Maritime Rescue Coordination Centre
MRSC	–	Maritime Rescue Sub-Centre
MSI	–	Maritime Safety Information
MSS	–	Mobile Satellite Service
NAV	–	Navigational Warnings
NBDP	–	Narrow-band direct printing
NCS	–	Network Coordinating Station
N.I.	–	No Information
NM	–	Nautical Mile(s)
POR	–	Pacific Ocean Region
PS	–	Public Correspondence + Safety and Distress
SAR	–	Search and Rescue Alerts
RCC	–	Rescue Coordination Centre
RX	–	Receiver
SES	–	Ship Earth Station
SD	–	Safety and Distress
TBD	–	To be decided
TX	–	Transmitter
UTC	–	Coordinated Universal Time
VHF	–	Very High Frequency

Appendix

GEOGRAPHICAL AREAS FOR COORDINATING AND PROMULGATING RADIO-NAVIGATIONAL WARNINGS



The delimitation of such areas is not related to and shall not prejudice
the delimitation of any boundaries between States

O = Operational
T = Under trial
P = Planned or to be decided

ANNEX 1

STATUS OF SHORE-BASED FACILITIES FOR THE GMDSS

COUNTRY	COAST STATIONS					SES for RCC	MSI BROADCAST SERVICE					Cospas-Sarsat	
	DSC			Inmarsat LES			NAVTEX	SafetyNET			HF NBDP	MCC	LUT
	A1	A2	A3 & A4	C	Inmarsat Fleet F77			NAV	MET	SAR			
Algeria	O	O				O	O	O	O	O		O	O
Argentina	O	O	O			O	O	O	O	O	O	O	O
Australia			O	O	O			O	O	O		O	O
Azerbaijan	O	O	O			O	O						
Bahrain							O						
Belgium	O	O					O						
Benin	O	O											
Bermuda (United Kingdom)	O	O				O	O						
Brazil			O	O		O		O	O	O	O	O	O
Bulgaria	O	O				O	O						
Canada	O		O			O	O	O	O	O	O	O	O
Cabo Verde	O	O					P			O			
Chile	O	O	O			O	O/P	O	O	O		O	O
China	O	O		O	O	O	O/T/P		O			O	O
Colombia	O	O	O				O/T/P						
Côte d'Ivoire	O	O	O										
Croatia	O	O				O	O						
Curaçao (the Netherlands)	O	O				O	O						
Cyprus	O	O	O			O	O			O			O

COUNTRY	COAST STATIONS					SES for RCC	MSI BROADCAST SERVICE					Cospas-Sarsat	
	DSC			Inmarsat LES			NAVTEX	SafetyNET			HF NBDP	MCC	LUT
	A1	A2	A3 & A4	C	Inmarsat Fleet F77			NAV	MET	SAR			
Democratic People's Republic of Korea							O						
Denmark	O	O											
Ecuador	O	O	O				P						
Egypt	O	O	O			O	O				O		
Estonia	O	O					O						
Fiji		O	O										
Finland	O	O				O							
France	O	O		O	O	O	O	O	O	O		O	O
Georgia	O	O					O						
Germany	O					O	O			O			
Ghana	O												
Greece	O	O	O	O	O		O		O	O	O	O	P
Greenland (Denmark)		O					O						
Guam (United States)			O				O				O		
Iceland		O					O						
India	O	O	O	O	O		T/P	O	O	O		O	T
Indonesia	O	O	O				O			O		O	O
Iran (Islamic Republic of)	O/P	O	O				O						
Iraq	O	O											
Ireland	O	O					O						
Israel	O	O		O		O	O						
Italy	O	O		O	O		O					O	O
Japan		O	O	O	O		O	O	O	O		O	O
Kazakhstan	O	O											
Latvia	O	O				O							

COUNTRY	COAST STATIONS					SES for RCC	MSI BROADCAST SERVICE					Cospas-Sarsat	
	DSC			Inmarsat LES			NAVTEX	SafetyNET			HF NBDP	MCC	LUT
	A1	A2	A3 & A4	C	Inmarsat Fleet F77			NAV	MET	SAR			
Lebanon	O	O											
Libya							P						
Lithuania	O	O				O							
Malaysia	O	O					O			O			
Malta	O	O				O	O						
Mauritius	O	O	O										
Mexico	O	O											
Mozambique	O	O											
Myanmar	O	O	O	O									
Namibia							P						
Netherlands (the)	O	O		O	O		O			O			
New Zealand			O			O		O	O	O			O
Nigeria							P					O	O
Norway	O	O		O	O	O	O	O	O	O	O	O	O
Oman	P		O				P						
Pakistan	O	O	O				P	O	O	O		O	
Peru	O	O	O				O	O		O		O	O
Philippines (the)	O	O	O				P				O		
Poland	O	O											
Portugal	O						O						
Republic of Korea	O	O	O		O	O	O					O	O
Montenegro	O	O				O							
Romania	O	O	O				O						
Russian Federation	O	O/T		O		O	O	O	O	O		O	O
Saudi Arabia	O	O					P					O	O
Senegal	O/P	O					P						

COUNTRY	COAST STATIONS					SES for RCC	MSI BROADCAST SERVICE					Cospas-Sarsat	
	DSC			Inmarsat LES			NAVTEX	SafetyNET			HF NBDP	MCC	LUT
	A1	A2	A3 & A4	C	Inmarsat Fleet F77			NAV	MET	SAR			
Seychelles							O		.				
Singapore	O			O	O		O	O		O		O	O
Slovenia	O												
South Africa			O				O	O	O	O		O	O
Spain	O	O	O				O	O				O	O
Sweden	O	O				O	O						
Syrian Arab Republic	O	O	O				O						
Thailand	O	O	O				O	O	O	O		O	O
Tunisia							P						
Turkey	O	O	O				O				O	O	O
Ukraine	O/P	O				O	O						
United Arab Emirates												O	O/T
United Kingdom	O	O		O	O	O	O	O	O	O		O	O
United States	O	O	O	O	O	O	O	O	O	O	O	O	O
Uruguay	O	O	O			O	P						
Viet Nam	O	O	O	O			O					O	O
<u>Associate Members</u> Faroes	O	O					O						
Hong Kong, China	O	O	O			O	O	O	O	O		O	O

SD = Safety and Distress
PS = Public Correspondence and Safety and Distress
"Monitor" stations include remote-controlled stations

ANNEX 2

LIST OF VHF DSC COAST STATIONS FOR SEA AREA A1

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	
I	Belgium	Main	Antwerpen Radio	002050485	51°13'.00N 004°19'.00E	25	Operational	PS	24 hrs	Oostende MRCC
		Main	Oostende Radio	002050480	51°20'.04N 003°12'.00E	25				
	Denmark	Main	Lyngby Radio	002191000	-	-	Operational	SD	24 hrs	JRCC Denmark
		Monitor	Koebenhavn		55°41'.00N 012°36'.00E	29				
			Vejby		56°04'.00N 012°07'.00E	30				
			Roesnaes		55°44'.12N 010°55'.28E	35				
			Anholt		56°42'.00N 011°35'.00E	28				
			Fornaes		56°26'.00N 010°56'.00E	32				
			Vejle		55°40'.00N 009°30'.00E	42				
			Als		54°57'.00N 009°33'.00E	41				
			Karleby		54°52'.00N 011°11'.00E	36				
			Mern		55°03'.12N 011°59'.40E	45				
			Aarsballe		55°08'.00N 014°52'.00E	42				
			Laesoe		57°17'.00N 011°03'.00E	34				
			Frejlev		57°00'.00N 009°49'.00E	44				
			Blaavand		55°33'.00N 008°06'.00E	33				
			Skagen		57°44'.00N 010°34'.00E	29				
			Hirtshals		57°31'.00N 009°57'.00E	31				
			Hanstholm		57°06'.00N 008°39'.00E	34				
			Bovbjerg		56°31'.00N 008°10'.00E	34				
	Estonia	Main	Merivälja	002761000	59°29'.42N 024°50'.33E	28	Operational	PS	24 hrs	JRCC Tallinn
		Monitor	Toila		59°24'.54N 027°31'.46E	32				
			Eisma		59°33'.32N 026°17'.09E	30				
			Aabla		59°35'.15N 025°31'.28E	30				
			Suurupi		59°27'.41N 024°22'.38E	30				
			Dirhami		59°12'.29N 023°30'.20E	30				
			Kopu		58°55'.07N 022°11'.53E	35				
			Orissaare		58°33'.34N 023°04'.07E	35				

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	
I (cont.)	Estonia (cont.)		Undva		58°30'.37N 021°55'.39E	30				
			Torgu		57°58'.40N 022°04'.45E	28				
			Ruhnu		57°48'.12N 023°15'.29E	28				
			Tostamaa		58°18'.20 N 023°59'.34E	30				
			Suuremõisa		58°52'.15 N 022°58'.24 E	28				
			Pärnu		58°22'.40 N 024°34'.32 E	35				
	Finland	Main	MRCC Turku	002301000	-	-	Operational	SD	24 hrs	MRCC Turku (Back-up by MRSC Helsinki)
		Monitor	Keminmaa		65°49'.29N 024°29'.52E	30				
			Hailuoto		65°01'.52N 024°36'.06E	30				
			Kalajoki		64°11'.41N 024°45'.01E	40				
			Kokkola		63°49'.58N 023°08'.17E	35				
			Raippaluoto		63°21'.48N 021°18'.30E	35				
			Kristiinankaupunki		62°16'.08N 021°24'.15E	35				
			Mantyluoto		61°35'.34N 021°27'.41E	30				
			Pyharanta		61°05'.11N 021°18'.11E	25				
			Kustavi		60°38'.21N 021°13'.26E	25				
			Geta		60°23'.08N 019°50'.62E	35				
			Eckero		60°12'.54N 019°19'.07E	25				
			Järsö		60°01'.09N 020°00'.01E	35				
			Brandö		60°24'.49N 021°02'.48E	30				
			Kokar		59°55'.44N 020°51'.35E	25				
			Dragsfjärd		59°48'.45N 022°18'.83E	25				
			Utö		59°46'.51N 021°22'.08E	35				
			Kuusisto		60°22'.36N 022°20'.06E	40				
		Main	MRSC Helsinki	002302000	-	-	Operational	SD	24 hrs	MRSC Helsinki (Back up by MRCC Turku)
		Monitor	Hanko		59°46'.22N 022°56'.52E	35				
			Jussaro		59°49'.25N 024°34'.35E	25				
			Porkkala		60°01'.37N 024°20'.36E	25				
			Helsinki/Isosaari		60°06'.02N 025°02'.52E	25				
			Emasalo		60°12'.13N 025°37'.28E	25				
			Kotka		60°27'.16N 026°53'.59E	30				
			Orrengrund		60°16'.29N 026°26'.39E	25				
			Haapasaari		60°17'.12N 027°11'.07E	25				

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	
I (cont.)		Monitor	Virolahti		60°27'.20N 027°43'.21E	25				
		Main	Turku Radio	002300230	-	-		PS	24 hrs	
		Monitor	Li		65°32'.18N 025°15'.54E	29				
			Raahe		65°40'.58N 024°32'.17E	30				
			Kruunupyy		63°44'.06N 023°31'.66E	42				
	Finland (cont.)		Mustasaari		63°12'.31N 021°32'.14E	29				
			Kristiinankaupunki		62°17'.13N 021°38'.42E	37				
			Uusikaupunki		60°48'.24N 021°28'.47E	29				
			Hammerland		60°13'.28N 019°42'.91E	37				
			Geta		60°23'.08N 019°50'.44E	38				
			Järsö		60°01'.09N 020°00'.01E	38				
			Nauvo		60°09'.52N 021°42'.32E	23				
			Utö		59°46'.51N 021°22'.08E	31				
			Kaarina		60°22'.36N 022°20'.18E	42				
			Hanko		59°46'.22N 022°56'.52E	29				
			Espoo		60°10'.39N 024°38'.36E	42				
			Kotka		60°29'.20N 026°52'.32E	29				
			Virolahti		60°36'.19N 027°50'.12E	33				
	France	Main	MRCC Gris Nez	002275100	50°52'.00N 001°35'.00E	23	Operational	SD	24 hrs	MRCC Gris Nez
		Monitor	Dunkerque		51°03'.00N 002°21'.00E	22				
			Saint Frieux		50°36'.00N 001°38'.00E	38				
			St. Valery en Caux		49°52'.16N 000°42'.66E	29				
		Main	MRCC Jobourg	002275200	49°41'.00N 001°54'.50W	42	Operational	SD	24 hrs	MRCC Jobourg
		Monitor	Antifer		49°41'.10N 000°10'.00E	33				
			Gatteville		49°41'.80N 001°15'.90W	26				
			Granville		48°50'.10N 001°36'.80W	26				
		Main	MRCC Corsen	002275300	48°24'.84N 004°46'.98W	27	Operational	SD	24 hrs	MRCC Corsen
		Monitor	Cap Frehel		48°41'.00N 002°19'.00W	28				
			Batz Island		48°44'.78N 004°00'.71W	25				
			Stiff Ouessant		48°28'.00N 005°03'.00W	33				
			Bodic		48°48'.00N 003°05'.00W	25				
			Pointe du Raz		48°02'.33N 004°43'.93W	24				
		Main	Bremen Rescue Radio	002111240	53°05'.00N 008°48'.00E	25	Operational	SD	24 hrs	MRCC Bremen
		Monitor	Rügen		54°21'.00N 013°45'.00E	27				
			Arkona		54°35'.00N 013°37'.00E	31				
			Darss		54°24'.00N 012°27'.00E	30				

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	
	Germany		Rostock		54°10'.00N 012°06'.00E	33				
			Kiel		54°18'.00N 010°07'.00E	37				
			Lübeck		54°13'.00N 010°43'.00E	46				
			Flensburg		54°44'.00N 009°30'.00E	29				
			Norddeich		53°34'.00N 007°06'.00E	24				
			Cuxhaven		53°50'.00N 008°39'.00E	24				
			Helgoland		54°11'.00N 007°53'.00E	33				
			Sylt		54°55'.00N 008°18'.00E	28				
I (cont.)	Germany (cont.)		Elderstedt		54°20'.00N 008°47'.00E	24				
			Hamburg		53°33'.00N 009°58'.00E	44				
	Ireland	Main	MRCC Dublin	002500300	-	-	Operational	SD	24 hrs	MRCC Dublin
		Monitor	Dublin		53°23'.00N 006°04'.00W	40				
			Carlingford		54°04'.50N 006°19'.30W	40				
			Wicklow Head		52°58'.00N 006°00'.00W	30				
			Rosslare		52°19'.00N 006°34'.00W	44				
			Mine Head		51°59'.50N 007°35'.17W	30				
		Main	MRSC Valentia	002500200	-	-	Operational	SD	24 hrs	MRSC Valentia
		Monitor	Cork		51°51'.00N 008°29'.00W	40				
			Bantry		51°38'.00N 010°00'.00W	60				
			Valentia		51°52'.00N 010°21'.00W	54				
			Shannon		52°31'.00N 009°36'.00W	50				
		Main	MRSC Malin Head	002500100	-	-	Operational	SD	24 hrs	MRSC Malin Head
		Monitor	Clifden		53°30'.00N 009°56'.00W	50				
			Belmullet		54°16'.00N 010°03'.00W	25				
			Glen Head		54°44'.00N 008°40'.00W	47				
			Malin Head		55°22'.00N 007°16'.00W	49				
	Latvia	Main	Riga Rescue Radio	002750100	57°02'.00N 024°05'.00E	25	Operational	SD	24 hrs	MRCC Riga
		Monitor	Vitrupe		57°36'.00N 024°23'.00E	25				
			Mersrags		57°22'.00N 023°07'.00E	25				
			Kolka		57°45'.00N 022°35'.00E	20				
			Jaunupe		57°32'.00N 021°41'.00E	20				
			Uzava		57°13'.00N 021°26'.00E	20				
			Akmenrags		56°50'.00N 021°03'.00E	20				
			Jurmalsciems		56°31'.00N 021°00'.00E	20				
	Lithuania	Monitor	Nida		55°18'.00N 020°59'.00E	24				
			Sventoji		56°00'.00N 021°05'.00E	20				
		Main	Lithuanian SafeSeaNet	002770130	55°43'66N	21	Operational	SD	24 hrs	MRCC Klaipeda

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	
	Netherlands	Monitor	Nida		55°18'.31N 20°59'.73E	27				
			Sventoji		56°01'.51N 21°04'.93E	21				
		Main	Netherlands Coast Guard (PBK)	002442000			Operational	SD	24 hrs	JRCC Den Helder
		Monitor	Woensdrecht		51°26'.14N 004°20'.13E	25				
			Westkapelle		51°31'.45N 003°26'.50E	25				
			Renesse		51°44'.06N 003°49'.18E	25				
			Scheveningen		52°06'.N 004°16'.E	25				
			IJmuiden		52°27'.42N 004°35'.00E	25				
			Schoorl		52°43'.00N 004°38'.42E	25				
			Den Helder		52°57'.09N 004°47'.28E	25				
I (cont.)	Netherlands (cont.)		West Terschelling		53°21'.26N 005°12'.50E	25				
			Schiermonnikoog		53°28'.32N 006°09'.19E	25				
			Appingedam		53°20'.08N 006°51'.33E	25				
			Kornwerderzand		53°04'.09N 005°20'.18E	25				
			Hoorn		52°38'.39N 005°05'.54E	25				
			Wezep		52°26'.50N 005°59'.51E	25				
	Norway	Main	Tjøme Radio	002570100	59°04'.49N 010°24'.02E	-	Operational	PS	24 hrs	JRCC South Norway Stavanger
		Monitor	Dolsveden (Kristiansand)		58°08'.09N 008°08'.01E	36				
			Hisøy (Arendal)		58°26'.01N 008°44'.38E	36				
			Ranvikheia (Risør)		58°42'.50N 009°12'.28E	35				
			Tjøme		59°04'.49N 010°24'.22E	28				
			Høyås (Halden)		59°10'.31N 011°25'.40E	53				
			Vealøs (Porsgrunn)		59°14'.10N 009°41'.56E	66				
			Bukten (Drammen)		59°40'.23N 010°26'.01E	24				
			Tryvann (Oslo)		59°59'.05N 010°40'.12E	62				
			Mjøsa, Bangsberget		60°50'.46N 010°53'.51E	-				
		Main	Rogaland Radio (Sola)	002570300	58°53'.00N 005°38'.00E	-	Operational	PS	24 hrs	JRCC South Norway Stavanger
		Monitor	Valhall, The North Sea		56°16'.62N 003°23'.58E	30				
			Ekofisk, The North Sea		56°32'.56N 003°13'.02E	30				
			Ula, The North Sea		57°06'.66N 002°50'.91E	30				
			Lindesnes		58°01'.26N 007°03'.42E	40				
			Farsund		58°04'.21N 006°44'.40E	29				

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	
			Lista, Storefjell		58°09'.13N 006°42'.40E	52				
			Draupner, The North Sea		58°11'.30N 002°28'.30E	30				
			Sleipner A, The North Sea		58°22'.05N 001°54'.22E	30				
			Bjerkreim		58°38'.00N 005°57'.18E	66				
			Stavanger, Ullandhaug		58°56'.23N 005°42'.28E	40				
			Bokn		59°13'.13N 005°25'.40E	50				
			Haugesund		59°25'.22N 005°19'.44E	47				
			Heimdal, The North Sea		59°34'.39N 002°13'.69E	30				
			Stord		59°52'.26N 005°29'.38E	74				
			Sotra		60°19'.09N 005°06'.54E	53				
			I. Hardanger, Grimo		60°24'.22N 006°38'.10E	69				
			Bergen, Rundemannen		60°24'.46N 005°21'.56E	65				
I (cont.)	Norway (cont.)		Bergen, Lindås		60°34'.38N 005°19'.44E	59				
		Main	Florø Radio	002570500	61°36'.00N 005°02'.13E	-	Operational	PS	24 hrs	JRCC South Norway Stavanger
		Monitor	Oseberg		60°29'.54N 002°49'.63E	30				
			Gulen		61°02'.04N 005°09'.18E	73				
			Ligtvor		61°06'.05N 006°32'.08E	17				
			Sogndal, Storehogen		61°10'.23N 007°07'.09E	93				
		Monitor	Gullfaks, The North Sea	002570500	61°10'.54N 002°11'.26E	30	Operational	PS	24 hrs	JRCC South Norway Stavanger
			Fjaerland		61°25'.22N 006°45'.31E	15				
			Snorre, The North Sea		61°26'.75N 002°08'.64E	31				
			Kinn		61°33'.25N 004°45'.30E	52				
			Storåsen		61°35'.33N 005°01'.35E	34				
			Bremanger		61°50'.24N 004°59'.13E	74				
			Sagtennene		61°53'.24N 006°06'.30E	85				
			Måløy, Raudeberg		61°59'.14N 005°09'.05E	38				
			Ljønibba (Hellesylt)		62°05'.01N 006°53'.29E	40				
			Geiranger-2		62°07'.22N 007°11'.29E	57				
			Fosnavaag, Nerlandshorn		62°20'.57N 005°33'.11E	59				
			Hareid, Hjørunganes		62°21'.32N 006°07'.24E	19				
			Ålesund, Aksla		62°28'.34N 006°10'.45E	41				
			Ørskogfjellet		62°30'.57N 006°52'.20E	69				
			Brattvåg, Gamlemstveten		62°34'.31N 006°19'.07E	80				

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	
			Molde		62°45'.10N 007°07'.58E	59				
			Tingvoll, Reinsfjell		62°55'.51N 007°55'.37E	84				
			Kristiansund, Varden		63°06'.57N 007°42'.45E	34				
			Littlefonni, Tjelbergodden		63°22'.48N 008°42'.55E	56				
			Stjørdal, Forbordsfjell		63°31'.37N 010°53'.16E	66				
			Mosvik, Skavlen		63°46'.19N 010°57'.03E	55				
			Ørland, Kopparen		63°48'.24N 009°44'.18E	64				
			Buholmråen, Yttervåg		64°17'.50N 010°17'.54E	34				
			Draugen, The North Sea		64°21'.15N 007°46'.81E	30				
			Namsos, Spillumsaksla		64°26'.32N 011°32'.16E	58				
			Rørвик, Falkhetta		64°52'.45N 011°13'.32E	43				
			Åsgard B, The North Sea		65°06'.61N 006°47'.36E	30				
			Heidrun, The North Sea		65°19'.45N 007°18'.96E	30				
I (cont.)	Norway (cont.)	Main	Bodø Radio	002570700	67°16'.00N 014°23'.00E	-	Operational	PS	24 hrs	JRCC North Norway Bodø
		Monitor	Vega		65°39'.00N 011°49'.43E	75				
			Horva		66°00'.57N 012°49'.18E	57				
			Mo I Rana		66°12'.32N 013°44'.21E	71				
			Traenfjord		66°31'.46N 012°49'.14E	53				
			Meløy		66°51'.14N 013°38'.25E	50				
			Rønvikfjell, Bodø		67°18'.08N 014°26'.46E	41				
		Monitor	Fornesfjell	002570700	67°25'.51N 015°27'.18E	68	Operational	PS	24 hrs	JRCC North Norway Bodø
			Vaerøy		67°39'.50N 012°37'.27E	59				
			Steigen		67°49'.18N 015°02'.09E	77				
			Fredvang		68°05'.40N 013°10'.54E	21				
			Hagskaret		68°09'.39N 013°41'.58E	36				
			Kvalnes		68°21'.00N 013°57'.00E	40				
			Lødingen		68°24'.05N 015°58'.13E	13				
			Raften/Svolvaer		68°24'.10N 015°06'.51E	18				
			Veggen, Narvik		68°27'.46N 017°09'.58E	48				
			Storheia, Hadsel		68°32'.39N 014°52'.08E	61				
			Harstad		68°47'.54N 016°30'.55E	36				
			Stamnes		68°48'.42N 015°28'.48E	13				
			Myre, Vesterålen		68°56'.36N 015°01'.18E	30				

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	
			Andenes		69°16'.42N 016°00'.29E	54				
			Kistefjell		69°17'.30N 018°07'.56E	85				
			Hillesøy		69°38'.31N 017°58'.24E	41				
			Tromsø		69°38'.49N 018°55'.19E	36				
			Tonsnes		69°43'.06N 019°07'.43E	47				
			Bjørnøya		74°30'.12N 019°00'.60E	40				
			Isfjord (Svalbard)		78°03'.42N 013°36'.59E	23				
			Bjørndalen (Longyearbyen)		78°14'.30N 015°21'.10E	21				
			Kongsvegpasset (Svalbard)		78°44'.37N 013°31'.19E					
		Main	Vardø Radio	002570800	70°22'.00N 031°06'.00E	-	Operational	PS	24 hrs	JRCC North Norway Bodø
		Monitor	Kirkenes		69°45'.02N 030°07'.54E	44				
			Skjervøy, Stussnesfjell		70°01'.27N 020°58'.57E	37				
			Skjervøy, Trolltind		70°04'.34N 020°25'.50E	78				
I (cont.)	Norway (cont.)		Varangefjord, Torsvarde		70°05'.50N 029°49'.06E	41	Operational	PS	24 hrs	JRCC North Norway Bodø
			Alta, Helligfjell		70°06'.47N 022°56'.02E	63				
			Karlsøy, Torsvåg		70°14'.35N 019°29'.49E	23				
			Domen (Vardø)		70°20'.08N 031°01'.57E	40				
			Tana, Algasvarre		70°28'.07N 028°14'.03E	65				
			Hammerfest, Tyven		70°38'.22N 023°41'.47E	57				
		Monitor	Hasvik, Fuglen	002570800	70°39'.20N 021°57'.49E	55	Operational	PS	24 hrs	JRCC North Norway Bodø
			Baatsfjord, Hamnefjell		70°40'.10N 029°42'.39E	49				
			Berlevåg, Berlevåg fjell		70°51'.47N 029°04'.34E	40				
			Lebesby, Oksen		70°57'.54N 020°20'.59E	51				
			Nordkapp, Honningsvåg		70°59'.05N 025°53'.59E	56				
			Havøysund, Havøygavlen		71°00'.16N 024°35'.45E	49				
			Mehamn, Trollhetta		71°02'.49N 028°06'.41E	49				
	Poland	Monitor	Swinoujście	002610210	53°55'.03N 14°15'.48E	24	Operational	SD	24 hrs	RCC Gdynia
		Monitor	Grzywacz		53°57'.22N 14°30'.17E	37				
		Monitor	Kołowo		53°20'.05N 14°40'.62E	42				
		Monitor	Kołobrzeg		54°08'.92N 15°38'.22E	27				

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	
		Main	WITOWO RADIO Barzowice (Tx/Rx)		54°28'.42N 16°30'.32E	31				
		Monitor	Rowokół		54°39'.37N 17°12'.70E	35				
		Monitor	Rozewie		54°49'.87N 18°20'.03E	26				
		Monitor	Oksywie		54°32'.83N 18°32'.17E	31				
		Monitor	Krynica Morska		54°24'.27N 19°30'.50E	27				
	Russian Federation	Main	Saint-Petersburg	002733700	59°52'.67N 030°13'.01E	27	Operational	SD	24 hrs	MRCC St. Petersburg
		Monitor	Primorsk		60°20'.00N 028°43'.00E	30				
			Vysotsk		60°35'.00N 028°33'.00E	35				
			Gorki		59°48'.00N 028°30'.00E	35				
			Gogland		60°01'.00N 027°00'.00E	20 ¹				
	Sweden	Main	Kaliningrad	002734417	54°53'.00N 019°56'.00E	28.6	Operational	SD	24 hrs	MRCC Kaliningrad
		Main	Göteborg	002653000	-	-	Operational	SD	24 hrs	JRCC Sweden
		Monitor	Kalix		65°56'.16N 023°30'.60E	44				
I (cont.)	Sweden (cont.)		Luleå		65°36'.19N 022°08'.49E	31				
			Skellefteå		64°46'.26N 020°57'.09E	49				
			Umeå		63°50'.25N 019°49'.22E	60				
			Mjällom		62°59'.08N 018°23'.45E	49				
			Härnösand		62°36'.40N 017°57'.53E	42				
			Sundsvall		62°24'.07N 017°28'.17E	41				
			Hudiksvall		61°42'.25N 016°51'.20E	60				
			Gävle		60°37'.50N 017°07'.45E	43				
			Östhammar		60°15'.48N 018°04'.21E	49				
			Väddö		59°58'.05N 018°50'.25E	36				
			Svenska Högarna		59°26'.34N 019°30'.08E	21				
			Nacka		59°17'.52N 018°10'.22E	50				
			Västerås		59°38'.37N 016°24'.02E	45				
			Södertälje		59°13'.25N 017°37'.14E	34				
			Torö		58°49'.15N 017°50'.39E	31				
			Norrköping		58°40'.36N 016°28'.02E	48				
			Gotska Sandön		58°22'.18N 019°14'.17E	27				
			Fårö		N.I.	30				

¹ With the exception of the sector limited with the lines beginning from 60°01'.00N 027°00'.00E till 60°06'.00N 026°53'.00E and 60°09'.00N 027°13'.00E, accordingly.

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	
			Visby		57°35'.33N 018°22'.23E	44				
			Hoburgen		N.I.	31				
			Västervik		57°43'.16N 016°25'.33E	50				
			Kalmar		56°40'.58N 016°33'.52E	34				
			Ölands södra udde		N.I.	28				
			Karlskrona		56°10'.27N 015°36'.05E	29				
			Kivik		55°40'.05N 014°09'.29E	44				
			Hörby		55°48'.22N 013°43'.15E	54				
			Helsingborg		56°03'.12N 012°42'.29E	32				
			Halmstad		56°47'.24N 012°56'.17E	57				
			Grimeton		57°06'.31N 012°23'.25E	42				
			Göteborg		57°41'.39N 012°03'.31E	50				
			Uddevalla		58°22'.27N 011°49'.17E	51				
			Strömstad		58°55'.38N 011°10'.32E	30				
			Trollhättan		58°17'.22N 012°16'.38E	36				
			Bäckefors		58°49'.21N 012°12'.01E	53				
			Karlstad		59°23'.31N 013°23'.00E	37				
		Monitor	Motala	002653000	58°35'.19N 015°05'.46E	45	Operational	SD	24 hrs	JRCC Sweden
			Jönköping		57°46'.14N 014°14'.51E	49				
I (cont.)	United Kingdom		Saxa Vord	002320001	60°49'.7N 000°50'.4W	46	Operational	SD	24 hrs	
			Collafirth Hill	002320001	60°32'.0N 001°23'.5W	45	Operational	SD	24 hrs	
			Lerwick	002320001	60°08'.9N 001°08'.3W	25	Operational	SD	24 hrs	
			Fitfull Head	002320001	59°54'.3N 001°22'.9W	47	Operational	SD	24 hrs	
			Compass Head	002320001	59°52'.0N 001°16'.4W	32	Operational	SD	24 hrs	
			Wideford Hill	002320001	58°59'.3N 003°01'.5W	45	Operational	SD	24 hrs	
			Noss Head	002320001	58°28'.7N 003°03'.0W	21	Operational	SD	24 hrs	
			Dunnet Head	002320001	58°.40'.3N 003°22'.5W	30	Operational	SD	24 hrs	
			Ben Tongue	002320001	58°30'.1N 004°23'.7W	50	Operational	SD	24 hrs	
			Cullercoats	002320007	55°04'.4N 001°27'.8W	25	Operational	SD	24 hrs	
			St Abbs, Crosslaw	002320004	55°54'.5N 002°12'.3W	42	Operational	SD	24 hrs	
			Ravenscar	002320007	54°23'.8N 003°34'.7W	42	Operational	SD	24 hrs	
			Flamborough Head	002320007	54°07'.1N 000°05'.2W	25	Operational	SD	24 hrs	
			Boulby	002320007	54°41'.8N 001°10'.6W	20	Operational	SD	24 hrs	
			Easington	002320007	53°39'.2N 000°05'.8E	22	Operational	SD	24 hrs	
			Mablethorpe	002320007	53°18'.6N 000°15'.7E	31	Operational	SD	24 hrs	
			Skegness	002320007	53°08'.9N 000°20'.7E	18	Operational	SD	24 hrs	
			Langham	002320007	52°56'.5N 000°57'.2E	24	Operational	SD	24 hrs	

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	
			Trimmingham	002320007	52°54'.6N 001°20'.5E	29	Operational	SD	24 hrs	
			Caister	002320007	52°39'.1N 001°44'.0E	20	Operational	SD	24 hrs	
			Lolwestoft	002320007	52°28'.6N 001°45'.7E	20	Operational	SD	24 hrs	
			Craigkelly	002320004	56°04'.3N 003°13'.9W	42	Operational	SD	24 hrs	
			Thrumster	002320001	58°23'.6N 003°07'.4W	38	Operational	SD	24 hrs	
			Newton	002320007	55°31'.0N 001°37'.2W	22	Operational	SD	24 hrs	
			Fife Ness	002320004	56°16'.7N 002°35'.2W	20	Operational	SD	24 hrs	
			Inverbervie	002320004	56°51'.1N 002°15'.7W	35	Operational	SD	24 hrs	
			Gregness	002320004	57°07'.6N 002°03'.2W	23	Operational	SD	24 hrs	
			Peterhead	002320004	57°29'.9N 001°48'.8W	27	Operational	SD	24 hrs	
			Windy Head	002320004	57°38'.9N 002°14'.7W	42	Operational	SD	24 hrs	
			Banff	002320004	57°38'.7N 002°31'.4W	31	Operational	SD	24 hrs	
			Foyers	002320004	57°14'.4N 004°30'.6W	44	Operational	SD	24 hrs	
			Rosemarkie	002320004	57°38'.0N 004°04'.5W	43	Operational	SD	24 hrs	
			Durness	002320001	58°34'.3N 004°45'.2W	25	Operational	SD	24 hrs	
			Butt of Lewis	002320024	58°27'.7N 006°13'.9W	28	Operational	SD	24 hrs	
			Falmouth CGOC	002320014	50°08'.5N 005°02'.2W	24	Operational	SD	24 hrs	
			Lizard	002320014	49°57'.9N 005°12'.5W	27	Operational	SD	24 hrs	
			Scilly Isles	002320014	49°55'.8N 006°18'.2W	25	Operational	SD	24 hrs	
			Lands End	002320014	50°08'.1N 005°38'.1W	43	Operational	SD	24 hrs	
I (cont.)	United Kingdom (cont)		St Ives	002320014	50°12'.2N 005°28'.2W	18	Operational	SD	24 hrs	
			Trevoze Head	002320014	50°32'.9N 005°01'.9W	28	Operational	SD	24 hrs	
			Bude	002320014	50°49'.0N 004°33'.0W	24	Operational	SD	24 hrs	
			Rame Head	002320014	50°19'.0N 004°13'.2W	33	Operational	SD	24 hrs	
			East Prawle	002320014	50°13'.1N 003°42'.6W	34	Operational	SD	24 hrs	
			Dartmouth	002320014	50°21'.3N 003°35'.2W	29	Operational	SD	24 hrs	
			Berry Head	002320014	50°24'.0N 003°29'.0W	25	Operational	SD	24 hrs	
			Grove	002320011	50°32'.9N 002°25'.8W	31	Operational	SD	24 hrs	
			Bincleaves	002320011	50°36'.1N 002°27'.0W	16	Operational	SD	24 hrs	
			Hengistbury Head	002320011	50°42'.9N 001°45'.5W	21	Operational	SD	24 hrs	
			Beer Head	002320011	50°41'.5N 003°05'.4W	35	Operational	SD	24 hrs	
			Boniface Down	002320011	50°36'.2N 001°11'.9W	43	Operational	SD	24 hrs	
			Selsey Bill	002320011	50°43'.8N 000°48'.2W	18	Operational	SD	24 hrs	
			Solent	002320011	50°48'.5N 001°12'.6W	16	Operational	SD	24 hrs	
			Newhaven	002320011	50°46'.9N 000°03'.0E	25	Operational	SD	24 hrs	
			Dover CGOC	002320010	51°07'.8N 001°20'.2E	34	Operational	SD	24 hrs	

NAV/MET Area	Country	VHF DSC Coast Station									RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70		
			Fairlight	002320010	50°52'.3N 000°38'.1E	33	Operational	SD	24 hrs		
			North Foreland	002320010	51°22'.5N 001°26'.8E	23	Operational	SD	24 hrs		
			Walton on the Naze	002320009	51°51'.3N 001°16'.8E	16	Operational	SD	24 hrs		
			Shoeburyness	002320009	51°31'.3N 000°46'.7E	15	Operational	SD	24 hrs		
			Bradwell	002320009	51°43'.9N 000°53'.5E	17	Operational	SD	24 hrs		
			Bawdsey	002320009	51°59'.6N 001°24'.6E	24	Operational	SD	24 hrs		
			Millbank Tower	002320009	51°29'.5N 000°07'.4W	20	Operational	SD	24 hrs		
			Forsnaval	002320024	58°12'.8N 007°00'.4W	42	Operational	SD	24 hrs		
			Port Naguran	002320024	58°24'.7N 006°16'.3W	23	Operational	SD	24 hrs		
			Rodel	002320024	59°15'.5N 006°10'.2W	27	Operational	SD	24 hrs		
			Clettraval	002320024	57°37'.1N 007°26'.6W	36	Operational	SD	24 hrs		
			Scoval	002320024	57°27'.9N 006°42'.1W	43	Operational	SD	24 hrs		
			Skriaig	002320024	57°23'.1N 006°14'.5W	56	Operational	SD	24 hrs		
			Barra	002320024	57°00'.8N 007°30'.4W	34	Operational	SD	24 hrs		
			Melvaig	002320024	57°50'.5N 005°47'.0W	47	Operational	SD	24 hrs		
			Arisaig	002320024	56°55'.1N 005°49'.7W	35	Operational	SD	24 hrs		
			Pulpitt Hill	002320024	56°24'.2N 005°29'.1W	35	Operational	SD	24 hrs		
			Torosay	002320024	56°27'.5N 005°43'.8W	57	Operational	SD	24 hrs		
			Glengorm	002320024	56°37'.9N 006°07'.9W	47	Operational	SD	24 hrs		
			Tiree	002320024	56°30'.2N 006°57'.9W	34	Operational	SD	24 hrs		
			Law Hill	002320021	55°41'.7N 004°50'.5W	39	Operational	SD	24 hrs		
			Greenock	002320021	55°57'.8N 004°47'.6W	21	Operational	SD	24 hrs		
			Rhu Stafnish	002320021	55°22'.3N 005°32'.0W	42	Operational	SD	24 hrs		
I (cont.)	United Kingdom (cont)		Kilchiaran	002320021	55°46'.0N 006°23'.3W	35	Operational	SD	24 hrs		
			Soutrh Knapdale	002320021	55°55'.1N 005°27'.7W	61	Operational	SD	24 hrs		
			Orlock Head	002320021	54°40'.4N 005°35'.0W	22	Operational	SD	24 hrs		
			Slieve Martin	002320021	54°05'.6N 006°09'.5W	61	Operational	SD	24 hrs		
			Black Mountain	002320021	54°35'.2N 006°01'.3W	52	Operational	SD	24 hrs		
			West Torr	002320021	55°11'.9N 006°05'.6W	16	Operational	SD	24 hrs		
			Limavady	002320021	55°06'.7N 006°53'.4W	53	Operational	SD	24 hrs		
			Liverpool	002320018	53°29'.8N 003°03'.5W	16	Operational	SD	24 hrs		
			Moel-y-Parc	002320018	53°13'.3N 003°18'.5W	59	Operational	SD	24 hrs		
			Langthwaite	002320018	54°01'.4N 002°45'.6W	41	Operational	SD	24 hrs		
			Snaefell	002320018	54°15'.8N 004°27'.7W	69	Operational	SD	24 hrs		
			Spanish Head	002320018	54°04'.0N 004°45'.7W	37	Operational	SD	24 hrs		
			Caldbeck	002320018	54°46'.3N 003°05'.3W	51	Operational	SD	24 hrs		
			Holyhead CGOC	002320018	53°19'.0N 004°37'.5W	15	Operational	SD	24 hrs		

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	
			Rhiw	002320018	52°50'.0N 004°37'.8W	50	Operational	SD	24 hrs	
			South Stack	002320018	53°18'.6N 004°41'.2W	35	Operational	SD	24 hrs	
			Great Orme	002320018	53°19'.9N 003°51'.2W	41	Operational	SD	24 hrs	
			Milford Haven	002320017	51°42'.5N 005°03'.2W	20	Operational	SD	24 hrs	
			Tenby	002320017	51°41'.7N 004°41'.3W	28	Operational	SD	24 hrs	
			St Anns Head	002320017	51°41'.0N 005°10'.6W	25	Operational	SD	24 hrs	
			Dinas Head	002320017	52°00'.3N 004°53'.7W	43	Operational	SD	24 hrs	
			Blaenplwyf	002320017	52°21'.6N 004°06'.8W	47	Operational	SD	24 hrs	
			Gower	002320017	51°34'.1N 004°17'.4W	15	Operational	SD	24 hrs	
			Mumbles Hill	002320017	51°34'.2N 003°59'.1W	28	Operational	SD	24 hrs	
			St Hilary	002320017	51°27'.4N 003°24'.2W	42	Operational	SD	24 hrs	
			Severn Bridge	002320017	51°36'.7N 002°38'.8W	33	Operational	SD	24 hrs	
			Combe Martin	002320017	51°10'.1N 004°02'.8W	46	Operational	SD	24 hrs	
			Ilfracombe	002320014	51°12'.9N 004°05'.2W	27	Operational	SD	24 hrs	
			Hartland Point	002320014	51°01'.3N 004°31'.4W	33	Operational	SD	24 hrs	
	Associate Member of IMO Faroes	Main	Torshavnradio	002311000			Operational	SD	24 hrs	MRCC Torshavn
		Monitor	Sornfelli		62°04'.09N 006°58'.05W	74				
			Hesturin		61°25'.42N 006°45'.29W	58				
			Klubbin		62°20'.38N 006°19'.32W	69				
			Mykines		62°06'.28N 007°35'.18W	64				
			Støðlafjall		62°10'.22N 006°44'.75W	64				
			Hálsurin		62°13'.53N 006°36'.82W	45				
			Slættafjall		62°20'.01N 006°47'.44W	50				
II	Côte d'Ivoire		Eiðiskollur		62°18'.91N 007°06'.27W	53				
		Main	Abidjan Radio	006191000	05°19'.34N 004°01'.02W	50	Operational	PS	24 hrs	MRCC Abidjan
		Monitor	Kouakro		05°15'.46N 003°29'.26W					
			Grand Lahou		05°15'.46N 005°00'.39W					
			Sassandra		04°57'.07N 006°05'.30W					
			San Pedro		04°44'.20N 006°37'.30W					
			Tabou		04°24'.42N 007°21'.44W					
			Marcory		05°21'.42N 003°57'.48W					
	France	Main	MRCC Etel	002275000	47°39'.73N 003°12'.11W	26	Operational	SD	24 hrs	MRCC Etel
		Monitor	Pen March		47°47'.89N 004°22'.36W	22				
			Groix		47°39'.14N 003°30'.08W	24				
			Belle Ile		47°19'.00N 003°14'.00W	27				
			Kerrouault		47°26'.99N 002°29'.69W	33				

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	
			Armandeche		46°42'.00N 001°55'.00W	20				
			Ile D'Yeu		46°43'.03N 002°22'.88W	23				
			Soulac		45°32'.00N 001°06'.00W	24				
			Chassiron		46°02'.81N 001°24'.52W	21				
			Cap Ferret		44°37'.80N 001°15'.02W	22				
			Contis		43°48'.00N 001°18'.00W	23				
			Hourtin		45°08'.54N 001°09'.57W	23				
			Biarritz		43°31'.89N 001°31'.99W	25				
	Ghana	Main	Tema Radio	006270000	-	-	Operational	N.I.	24 hrs	Harbour Master's Office, Accra
		Monitor	Winneba		05°21'.00N 000°37'.00W	60				
			Aflao		06°07'.00N 001°11'.00E	60				
			Tema		05°38'.00N 000°00'.00E	60				
			Cape Coast		05°07'.00N 001°15'.00W	60				
			Half Assini		05°03'.00N 002°53'.00W	60				
			Takoradi		04°54'.00N 001°45'.00W	60				
			Axim		04°52'.00N 002°14'.00W	60				
			Ada Radio		05°46'.83N 000°37'.13E	60				
	Portugal	Main	Lisboa	002630100	38°41'.00N 009°19'.00W	30	Operational	SD	24 hrs	MRCC Lisboa
		Monitor	Foia		37°18'.70N 008°36'.00W					
			Picoto		38°26'.00N 009°08'.30W					
			Monte Funchal		38°54'.70N 009°16'.40W					
			Monte Figo		37°06'.00N 007°49'.80W					
			Candeeiros		39°32'.90N 008°52'.00W					
			Arga		41°47'.80N 008°42'.60W					
			Freita		40°52'.80N 008°16'.30W					
II (cont.)	Senegal	Main	MRCC Dakaro	006630005	14°39'.00N 017°28'.00W	30	Operational	SD	24 hrs	MRCC Dakar
		Monitor	Saint Louis	006630002	16°02'.09N 016°30'.02W	30				
			Fass Boye	006630003	15°15'.09N 016°50'.09W	30				
			Cayar	006630004	14°54'.07N 017°07'.4 W	30				
			Joal	006630007	14°09'.2 N 016°49'.09W	30				
			Cap Skirring	006630008	12°23'.10N 016°44'.6 W	30				
	Spain	Main	Bilbao	002241022	43°22'.21N 002°45'.45W	55	Operational	SD	24 hrs	MRCC Bilbao
		Monitor	Navia		43°27'.23N 006°49'.14W	63				
			Cabo Peñas		43°29'.32N 005°56'.29W	52				MRCC Gijon
			Santander		43°17'.28N 004°08'.38W	60				MRCC Santander
			Pasajes		43°20.41N 001°51'.21W	50				

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	
		Main	La Coruña CCR	002241022	43°22'.07N 008°23'.10W	35	Operational	SD	24 hrs	
		Monitor	Cabo Ortegal		43°43'.04N 007°53'.38W	47				MRCC Finisterre
			Finisterre		43°04'.38N 009°13'.31W	38				MRCC Finisterre
			Coruña		43°27'.10N 008°17'.00W	37				MRSC Coruña
			Vigo		42°19'.02N 008°42'.10W	56				MRSC Finisterre
			La Guardia		41°53'.29N 008°52'.09W	40				MRCC Finisterre
		Main	Málaga CCR	002241023	36°36'.15N 004°35'.44W	35	Operational	SD	24 hrs	MRCC Tarifa
		Monitor	Tarifa		36°03'.30N 005°33'.00W	35				
			Cádiz		36°21'.24N 006°17'.07W	35				MRSC Cádiz
			Huelva		37°13'.20N 007°06'.43W	35				MRSC Huelva
		Main	Las Palmas CCR	002241026	28°09'.26N 015°24'.51W		Operational	SD	24 hrs	
		Monitor	Tenerife CCR		28°18'.24N 016°30'.16W	35				MRCC Tenerife
			Arrecife		29°13'.30N 013°28'.37W	47				MRCC Las Palmas
			Tenerife		28°18'.24N 016°30'.16W	75				
			Fuerteventura		28°24'.24N 014°02'.54W	55				MRCC Las Palmas
			Yaiza		28°55'.08N 013°47'.02W	52				MRCC Las Palmas
			Las Palma		27°57'.30N 015°33'.29W	75				MRCC Tenerife
			Gomera		28°04'.59N 017°07'.06W	35				MRCC Tenerife
			Hierro		27°47'.39N 017°56'.10W	69				MRCC Tenerife
			La Palma		28°38'.52N 017°49'.32W	75				MRCC Tenerife
III	Algeria	Main	Alger	006052110	36°44'.00N 003°10'.00E	50	Operational		24 hrs	CNOSS Alger
		Monitor	Cherchell	006052111	36°36'.00N 002°12'.00E	50				
		Main	Tenes	006052113	36°29'.00N 001°23'.00E	50			08h – 18h	
		Monitor	Dellys	006054112	36°55'.00N 003°53'.00E	50				
		Main	Oran	006054117	35°42'.00N 000°38'.00W	50			24 hrs	CROSS Oran
		Monitor	Mostaganem	006054118	35°56'.00N 000°06'.00E	50				
III (cont.)	Algeria (cont.)	Main	Ghazaouet	006054119	35°06'.00N 001°51'.00W	50			08h – 18h	
		Main	Annaba	006053814	36°54'.00N 007°45'.00E	50			24 hrs	CROSS Jijel
		Main	Bejaia	006053815	36°45'.00N 005°04'.00E	50			08h – 18h	
	Azerbaijan	Main	Skikda	006053816	36°52'.00N 006°54'.00E	50			08h – 18h	
		Main	Baku	004231000	40°21'.35N 049°50'.45E	25	Operational	PS	24 hrs	Azerbaijan LRIT NC
		Monitor	Chilov	004232000	41°20'.05N 050°37'.22E	30				
			Yalama		41°50'.25N 048°35'.95E	25				
			Siyazan		41°04'.62N 048°54'.17E	30				
			Alyat		39°57'.33N 049°25'.2E	25				
			Neftchala		39°18'.15N 049°14'.07E	25				

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	
	Bulgaria		Astara		38°31'.2N 05°52'.65E	30				
		Main	Varna Radio	002070810	43°15'.84N 027°57'.60E	53	Operational	PS	24 hrs	MRCC Varna
		Monitor	Kaliakra	002070812	43°22'.79N 028°28'.12E	30				
			Emine	002070815	42°43'.13N 027°52'.81E	48				
			Burgas	002070816	42°29'.36N 027°28'.53E	23				
			Peak Kitka	002070817	42°18'.46N 027°45'.50E	44				
	Croatia	Main	Split Radio	002380100	43°30'.00N 016°28'.00E	70	Operational	PS	24 hrs	MRCC Rijeka
		Monitor	Savudrija		45°29'.40N 013°29'.50E	30				
			Ucka		45°17'.00N 014°12'.00E	90				
			Kamenjak		44°46'.00N 014°47'.00E	50				
			Susak		44°31'.00N 014°18'.20E	50				
			Celavac		44°15'.60N 015°47'.40E	80				
			Ugljan		44°04'.30N 015°09'.80E	40				
			Labistica		43°34'.00N 016°13'.00E	80				
			Vidova Gora		43°17'.00N 016°37'.00E	50				
			Hum (Vis island)		43°01'.50N 016°07'.00E	70				
			Uljerje		42°54'.00N 017°29'.00E	70				
			Srd		42°39'.01N 018°06'.64E	50				
			Hum (Lastovo island)		42°45'.10N 016°51'.90E	40				
		Main	Rijeka Radio	002380200	45°20'.00N 014°25'.50E	30	Operational	PS	24 hrs	MRCC Rijeka
		Main	Dubrovnik Radio	002380300	42°38'.90N 018°04'.90E	30	Operational	PS	24 hrs	MRCC Rijeka
		Main	MRCC Rijeka	002387010	45°19'.00N 014°27'.00E	15	Operational	SD	24 hrs	MRCC Rijeka
				002387020						
		Main	MRSC Zadar	002387400	44°07'.00N 015°13'.50E	7	Operational	SD	24 hrs	MRCC Zadar
				002387401						
		Main	MRSC Sibenik	002387500	43°43'.80N 015°53'.80E	7	Operational	SD	24 hrs	MRSC Sibenik
				002387501						
		Main	Split	002387040	43°30'.40N 016°26'.60E	10	Operational	SD	24 hrs	MRSC Split
				002387030						
		Main	Ploče	002383350	43°03'.00N 017°26'.00E	15	Operational	SD	24 hrs	MRSC Ploče
		Main	Dubrovnik	002387800	42°39'.50N 018°05'.40E	15	Operational	SD	24 hrs	MRSC Dubrovnik
III (cont.)	Cyprus	Main	Cyprus Radio	002091000	-	-	Operational	PS	24 hrs	JRCC Larnaca
		Monitor	Fanos		35°00'.36N 034°01'.82E	100				
			Kremni		34°45'.51N 033°14'.95E	100				
			Lara		34°57'.86N 032°22'.53E	100				
			Chionistra		34°56'.47N 032°53'.72E	150				
	Egypt	Main	Alexandria Radio	006221111	31°12'.00N 029°54'.00E	22.7	Operational	PS	24 hrs	RCC Cairo

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	
		Monitor	Marsa Matrouth		31°21'.00N 027°14'.00E	22.7				
			Ras-Alhkima		31°07'.00N 027°49'.00E	24.8				
			Al-Dabaa		31°02'.00N 028°26'.00E	27.5				
			Al-Alamein		30°51'.00N 028°56'.00E	24.8				
			Sidi-Kerir		31°01'.00N 029°38'.00E	24.8				
			Bourg-Rashid		31°27'.00N 030°22'.00E	27				
			Baltim		31°33'.00N 031°05'.00E	27				
		Main	Port Said Radio	006221113	31°15'.00N 032°19'.00E	21.1	Operational	PS	24 hrs	RCC Cairo
		Monitor	Ras El Barr		31°30'.00N 031°50'.00E	27				
			Beir Al Abd		31°01'.00N 033°00'.00E	27				
			Alarish		31°07'.00N 033°48'.00E	27				
			Ismailia		30°36'.00N 032°16'.00E	24.3				
			Suez		29°58'.00N 032°33'.00E	21.6				
			Zhafarana		29°07'.00N 032°39'.00E	27				
	France	Monitor	Pic Neulos	002275400	42°29'.00N 002°57'.00E	79	Operational	SD	24 hrs	MRCC La Garde
			Espiguette		43°29'.00N 004°08'.00E	15	Operational			
			Planier	002275400	43°11'.92N 005°13'.85E	21	Operational	SD	24 hrs	MRCC La Garde
			Coudon		43°10'.00N 006°10'.00E	60	Operational			
			Pic de l'Ours		43°28'.00N 006°54'.00E	52	Operational			
		Monitor	Ersa	002275420	42°58'.15N 009°22'.79E	54	Operational	SD	24 hrs	MRCC La Garde, MRSC Corse
			Serra Di Pigno		42°41'.67N 009°23'.98E	70				
			Piana		42°14'.28N 008°37'.30E	58				
			Punta		41°57'.22N 008°41'.98E	63				
			Serragia		41°30'.90N 008°58'.68E	48				
			Conca		41°44'.30N 009°23'.26E	45				
	Georgia	Main	MRCC Georgia	002130100	41°38'.70N 041°39'.00E	30	Operational	SD	24 hrs	MRCC Georgia
		Monitor	Batumi-5	002130200	41°39'.03N 041°39'.34E	15	Operational	SD	24 hrs	MRCC Georgia
			Poti-5	002130300	42°09'.14N 041°39'.11E	15	Operational	SD	24 hrs	MRCC Georgia
			Kulevi-5	002130400	42°16'. N 041°38'. E	15	Operational	SD	24 hrs	MRCC Georgia
III (cont.)	Greece	Main	Olympia Radio	002371000	38°01'.00N 023°50'.00E	-	Operational	PS	24 hrs	JRCC Piraeus
		Monitor	Gerania		38°00'.00N 023°20'.00E	98				
			Poros/Darditsa		37°30'.00N 023°27'.00E	73				
			Thasos		40°47'.00N 024°43'.00E	90				
			Sfendami		40°25'.00N 022°31'.00E	41				
			Thira		36°25'.00N 025°26'.00E	66				

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	
			Khios		38°23'.00N 026°03'.00E	78				
			Kefallinia		38°08'.00N 020°40'.00E	107				
			Kerkyra		39°45'.00N 019°52'.00E	82				
			Kithira		36°09'.00N 022°59'.00E	52				
			Limnos		39°52'.00N 025°04'.00E	59				
			Sitia (Mare)		35°12'.00N 026°06'.00E	75				
			Mytilini		39°04'.00N 026°21'.00E	84				
			Parnis		38°10'.00N 023°44'.00E	98				
			Petalidi		36°56'.00N 021°52'.00E	83				
			Pilio		39°22'.00N 022°57'.00E	104				
			Rodos		36°16'.00N 027°56'.00E	78				
			Syros		37°27'.00N 024°56'.00E	57				
			Knossos		35°17'.00N 024°53'.00E	87				
			Patmos		37°18'.00N 026°32'.00E	46				
		Monitor	Moustakos	002371000	35°18'.00N 023°37'.00E	84	Operational	PS	24 hrs	JRCC Piraeus
			Tsoukalas		40°23'.00N 023°28'.00E	68				
			Faistos		35°00'.00N 025°12'.00E	84				
			Astypalea		36°36'.00N 028°26'.00E	59				
			Karpathos		35°28'.00N 027°10'.00E	66				
			Brochas Kritis		35°19'.00N 025°44'.00E	65				
			Lichada		38°52'.00N 022°53'.00E	60				
			Skiros		38°50'.00N 024°30'.00E	68				
			Andros		37°56'.00N 024°46'.00E	55				
			Milos		36°41'.00N 024°23'.00E	78				
	Iran (Islamic Republic of)	Main	Nowshahr Radio	004225600	36°39'.05N 051°30'.05E	30	Operational	PS	24 hrs	
		Main	Anzal Radio	004225500	37°28'.06N 049°27'.06E	30				
		Main	Amir Abad Radio	004225601	36°51'.04N 048°17'.00E	30				
		Main	Neka Radio	004224602	36°50'.32N 053°16'.17E	30				
		Monitor	Kiyashahr	004225500	37°26'.38N 049°57'.08E	30				
	Israel		RCC Haifa	004280001	32°48'.01N 035°00'.00E	64	Operational	SD	24 hrs	RCC Haifa
			RCC Haifa	004280002	31°28'.01N 034°38'.00E	30	Operational	SD	24 hrs	RCC Haifa
III (cont.)	Italy	Main	Rome	002470001	-	-	Operational	PS	24 hrs	
		Monitor	Conconello		45°40'.00N 013°47'.00E	53				MRSC Trieste
			Piancavallo		46°05'.00N 012°32'.00E	70				
			Monte Cero		45°15'.00N 011°40'.00E	58				MRSC Venezia
			Ravenna Bassette		44°24'.00N 012°12'.00E	20				MRSC Ravenna
			Forte Garibaldi		43°36'.00N 013°31'.00E	39				MRSC Ancona

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	
			Monte Conero		43°33'.00N 013°26'.00E	64				
			Monte Secco		42°58'.00N 013°52'.00E	39				
			Silvi Paese		42°33'.00N 014°05'.00E	44				
			Porto Cervo Eliporto		41°08'.00N 009°32'.00E	24				MRSC Cagliari
			Monte Moro		41°06'.00N 009°30'.00E	57				
			Monte Limbara		40°51'.00N 009°10'.00E	70				
			Osilo		40°44'.00N 008°40'.00E	70				
			Campu Spina		39°22'.00N 008°34'.00E	70				
			Margine Rosso		39°13'.00N 009°14'.00E	22				
			Monte Serpeddi		39°22'.00N 009°17'.00E	70				
			Badde Urbara		40°09'.00N 008°37'.00E	70				
			Monte Tului		40°15'.00N 009°35'.00E	70				
		Monitor	Monte Paradiso	002470001	42°05'.00N 011°51'.00E	52	Operational	PS	24 hrs	MRSC Roma
			Monte Cavo		41°45'.00N 012°42'.00E	70				
			Formia Ascatiello		41°15'.00N 013°36'.00E	30				
			Monte Argentario		42°23'.00N 011°10'.00E	70				MRSC Livorno
			Gorgona		43°25'.25N 009°53'.83E	47				MRSC Livorno
			Monte Nero		43°29'.00N 010°21'.00E	51				
			Zoagli		44°19'.00N 009°18'.00E	38				MRSC Genova
			Castellaccio		44°25'.00N 008°56'.00E	53				
			Monte Bignone		43°52'.00N 007°43'.00E	70				
		Main	Palermo	002470002	-	-	Operational	PS	24 hrs	
		Monitor	Monte Calvario		42°04'.00N 014°39'.00E	52				MRSC Ancona
			Abbate Argento		40°52'.00N 017°17'.00E	54				MRSC Bari
			Monte Parano		40°26'.00N 017°25'.00E	35				
			Monte Sardo		39°52'.00N 018°20'.00E	39				
			Casa D'orso		41°49'.00N 015°59'.00E	70				
			Capo Colonna		39°01'.00N 017°09'.00E	37				MRSC Reggio Calabria
			Punta Stilo		38°26'.83N 016°34'.68E	26				
			Capo dell'Armi		36°57'.35N 015°40'.82E	30				
			Serra del Tuono		40°02'.00N 015°42'.00E	70				
III (cont.)	Italy (cont.)		M. Titolo		40°00'.00N 016°35'.00E	55				
			M. Mancuso		39°00'.00N 016°13'.00E	70				
			Ustica		38°42'.00N 013°10'.00E	43				MRSC Palermo
			Monte Erice		38°02'.14N 012°35'.45E	70				

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	
			Pantelleria		36°46'.00N 012°01'.00E	70				
			Lampedusa		35°31'.00N 012°33'.00E	27				
			M. San Calogero		37°31'.00N 013°07'.00E	54				
			Gela C.po Soprano		37°04'.00N 014°14'.00E	25				
			M. Pellegrino		38°09'.00N 013°21'.00E	68				
			Cefalù		38°01'.00N 013°57'.00E	55				
			Siracusa Belvedere		37°05'.00N 015°12'.00E	42				MRSC Catania
			Augusta Campolato Alto		37°16'.00N 015°12'.00E	32				
			Forte Spuria		38°16'.00N 015°37'.00E	33				
			M. Lauro		37°06'.00N 014°49'.00E	70				
			Capri		40°33'.00N 014°15'.00E	50				MRSC Napoli
			Napoli Posillipo		40°48'.00N 014°11'.00E	36				
			Varco del Salice		40°17'.00N 015°02'.00E	69				
	Kazakhstan		Aktau	N.I.	43°36'.15N 51°13'.25E	20	Operational	SD	24 hrs	MRCC Astrakhan
			Bautino		44°32'.33N 50°16'.22E	20	Operational	SD	8:00-17:00	MRCC Astrakhan
	Lebanon	Main	Beirut Radio	004501000	33°50'.00N 035°31'.00E	23	Operational	SD/PS	24 hrs	Lebanese Army
	Malta	Main	Malta Radio Luqa	002150100	35°51'.30N 014°29'.30E	50	Operational	SD	24 hrs	RCC Malta
	Montenegro	Main	Bar Radio	002620001	42°03'.15N 019°09'.20E	50	Operational	PS	24 hrs	MRCC - Bar
		Monitor	Obosnik	002620002	42°24'.32N 018°36'.54E	50				
	Romania	Main	Constanta Radio, Agigea	002640570	44°06'.18N 028°38'.00E	25	Operational	PS	24 hrs	Constanta
		Monitor	Constanta Radio, Enisasla		44°51'.15N 028°52'.00E	44				Harbour's Master
			Constanta Radio, Sfintu Gheorghe		44°54'.00N 029°36'.00E	21				
			Constanta Radio, Mahmudia		45°05'.00N 029°04'.00E	43				
			Constanta Radio, Sulina		45°09'.00N 029°46'.00E	23				
			Constanta Radio, Tuzla		43°59'.00N 028°40'.00E	27				
		Main	Novorossiysk	002734411	44°41'.00N 037°47'.00E	26	Operational	SD	24 hrs	MRCC Novorossiysk
		Monitor	Doob		44°36'.00N 037°58'.00E	51				
			Anapa		44°50'.00N 037°21'.00E	52				
		Main	Sochi	002731108	43°32'.00N 039°51'.00E	67	Operational	SD	24 hrs	MRCC Novorossiysk
III (cont.)	Russian Federation	Main	Tuapse	002734413	44°07'.00N 039°03'.00E	46.4	Operational	SD	24 hrs	MRCC Novorossiysk
		Main	Eisk	002734422	46°43'.00N 038°16'.00E	23	Operational	SD	24 hrs	MRSC Taman

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	
		Monitor	Kosa Dolgaya		46°40'.00N 037°45'.00E	25				
		Monitor	Primorsko-Akhtarsk		46°02'.00N 038°11'.00E	25	Operational			
		Main	Taganrog	002734487	47°12'.00N 038°57'.00E	23	Operational	SD	24 hrs	MRSC Taman
		Monitor	Lotspost	002734487	47°06'.00N 038°19'.00E	21.6	Operational	SD	24 hrs	MRSC Taman
		Main	Temryuk	002734446	45°19'.00N 037°13'.00E	28	Operational	SD	24 hrs	MRSC Taman
		Main	Astrakhan	002734419	46°19'.00N 047°58'.00E	22.5	Operational	SD	24 hrs	MRCC Astrakhan
		Monitor	Port of Olja	002734419	45°47'.00N 047°33'.00E	20	Operational	SD	24 hrs	MRCC Astrakhan
		Monitor	Iskusstvennyi		45°23'.00N 047°47'.00E	25				
		Main	Makhachkala	002734423	42°59'.00N 047°30'.00E	23	Operational	SD	24 hrs	MRCC Astrakhan
	Slovenia	Main	MRCC Koper	002780200	45°33'.00N 013°44'.00E	85	Operational	SD	24 hrs	MRCC Koper
	Spain	Main	Las Palmas CCR	002241026	28°09'.27N 015°24'.51W					
			Huelva		37°12'.30N 007°01'.06W	35				MRCC Tarifa
			Cadiz		36°38'.11N 006°09'.06W	35				MRCC Tarifa
			Tarifa		36°07'.30N 005°45'.48W	47				MRCC Tarifa
			Malaga		36°29'.13N 005°12'.23W	75				MRCC Tarifa
			Motril		36°49'.30N 003°24'.01W	75				MRCC Almería
		Main	Valencia CCR	002241024	39°25'.48N 000°28'.36W		Operational	SD	24 hrs	
		Monitor	Cabo Gata		36°59'.21N 002°22'.59W	74				MRCC Almeria
			Melilla		35°17'.48N 002°55'.58W	35				MRCC Almeria
			Cartagena		37°29'.25N 001°33'.48W	55				MRSC Cartagena
			Cabo La Nao		38°39'.08N 000°16'.20E	75				MRCC Valencia
			Castellón		40°05'.12N 000°01'.58E	57				MRCC Castellon
			Tarragona		41°15'.00N 001°03'.27E	68				MRSC Tarragona
			Barcelona		41°25'.06N 002°06'.55E	51				MRCC Barcelona
			Begur		41°56'.56N 003°12'.33E	38				MRCC Barcelona
			Cadaques		42°18'.08N 003°15'.01E	45				MRCC Barcelona
			Menorca		39°59'.08N 004°06'.51E	41				MRCC Palma
			Palma		39°44'.16N 002°43'.05E	66				MRCC Palma
			Ibiza		38°55'.01N 001°16'.43E	40				MRCC Palma
			Alicante		38°19'.39N 000°42'.00W	35				
	Syrian Arab Republic	Main	Lattakia Radio	-	35°32'.05N 035°46'.00E	50	Operational	PS	24 hrs	- - -
		Main	Tartous Radio	-	34°54'.05N 035°51'.05E	50				
	Turkey	Main	Samsun	002712000	-	50-70	Operational	SD/PS	24 hrs	MSRCC Ankara
		Monitor	Pazar R/L		41°08'.56N 040°49'.07E					
			Akcaabat R/L		41°35'.44N 039°27'.06E					
III (cont.)	Turkey (cont.)		Dikmen R/L		38°16'.09N 040°55'.30E					

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	
			Yildiztepe R/L		41°05'.47N 037°01'.40E					
			Dütmen R/L		41°26'.53N 035°28'.53E					
			Inebolu R/L		41°53'.27N 033°43'.06E					
			Zonguldak R/L		41°23'.39N 031°49'.56E					
		Main	Istanbul	002711000	-	50-70	Operational	SD/PS	24 hrs	MSRCC Ankara
		Monitor	Akçakoca R/L		41°58'.32N 031°12'.25E					
			Mahyadag TV		41°47'.03N 027°37'.10E					
			Yusa R/L		41°10'.22N 029°06'.23E					
			Keltepe TV		40°38'.36N 030°06'.03E					
			Camlica R/L		41°01'.51N 029°04'.15E					
			Sarköy R/L		40°41'.19N 027°10'.41E					
			Bandirma R/L		40°21'.11N 027°53'.41E					
			Ayvalik R/L		39°18'.29N 026°41'.26E					
			Kayalidag TV		39°58'.02N 026°38'.10E					
			Akdag TV		38°33'.00N 026°30'.00E					
		Main	Antalya	002713000	-	50-70	Operational	SD/PS	24 hrs	MSRCC Ankara
		Monitor	Dilektepe TV		37°31'.43N 027°15'.31E					
			Bodrum R/L		37°04'.06N 027°26'.37E					
			Oren PTT		37°02'.21N 027°57'.19E					
			Palamut R/L		36°45'.26N 028°13'.00E					
			Kazakin R/L		36°50'.15N 027°05'.45E					
			Yumrutepe R/L		36°15'.13N 029°27'.28E					
			Markiz R/L		36°43'.00N 030°29'.00E					
			Anamur R/L		36°04'.54N 032°49'.47E					
			Cobandede R/L		36°31'.11N 036°15'.20E					
	Ukraine	Main	Odes sa	002723660	46°22'.65N 030°44'.87E	23	Operational	SD	24 hrs	MRCC Odesa
		Main	Mariupol	002723650	47°03'.30N 037°30'.40E	20	Operational	SD	24 hrs	MRSC Berdyansk
		Main	Berdyansk	002723672	46°45'.40N 036°47'.28E	20	Operational	SD	24 hrs	MRSC Berdyansk
		Main	Sevastopol	002723678	44°34'.00N 033°25'.00E	92	Temp.suspended	SD		MRCC Odessa
		Main	Kerch	002723632	45°25'.90N 036°34'.42E	32	Temp.suspended	SD		MRCC Odessa
IV	Bermuda (United Kingdom)	Main	Bermuda Harbour	003100001	32°23'.00N 064°41'.00W	30	Operational	SD	24 hrs	RCC Bermuda
	Canada	Main	Sydney MCTS	003160017	--	40	Operational	SD	24 hrs	JRCC Halifax
		Monitor	Port Caledonia		46°11'.00N 059°53'.00W	40				
			Cape North		47°01'.00N 060°26'.00W	40				
			Kilkenny Lake		46°13'.00N 060°10'.00W	40				
			St. Columba		46°00'.00N 060°51'.00W	40				

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	
IV (cont.)	Canada (cont.)		Cheticamp		46°35'.00N 060°00'.00W	40				
			Point Escuminac		47°04'.00N 064°48'.00W	40				
			North Cape		47°03'.00N 064°00'.00W	40				
			Cape Egmont		46°24'.00N 064°08'.00W	40				
			Montague		46°12'.00N 062°40'.00W	40				
		Main	Port aux Basques MCTS	003160018	- -	40	Operational	SD	24 hrs	JRCC Halifax
		Monitor	Table Mountain		47°41'.14N 059°45'.32W					
			Pine Tree		48°36'.00N 058°40'.00W	40				
			Ramea Island		47°31'.00N 057°25'.00W	40				
			Point Riche		50°42'.00N 057°25'.00W	40				
			Bonne Bay		49°36'.00N 057°57'.00W	40				
			Mount Moriah		48°58'.00N 058°03'.00W	40				
			Newport		48°14'.00N 064°48'.00W	40				
		Main	Placentia MCTS	003160019	----	40	Operational	SD	24 hrs	JRCC Halifax
		Monitor	Fortune Head		47°04'.00N 055°51'.00W	40				
			St. Lawrence		46°55'.00N 055°23'.00W	40				
			Arnold's Cove		47°47'.00N 054°00'.00W	40				
			Freshwater		47°16'.00N 053°59'.00W	40				
			Cuslett		46°58'.00N 054°09'.00W	40				
			Cape Pine		46°37'.00N 053°32'.00W	40				
			Bay L'Argent		47°32'.00N 054°52'.00W	40				
			Hermitage		47°34'.00N 055°57'.00W	40				
			Saint John's		47°36'.00N 052°40'.00W	40				
			Victoria		47°50'.00N 053°18'.00W	40				
			Cape Bonavista		48°42'.00N 053°17'.00W	40				
			Lumsden		49°17'.00N 053°35'.00W	40				
		Main	Halifax MCTS	003160016	-----	40	Operational	SD	24 hrs	JRCC Halifax
		Monitor	Fox Island		45°20'.00N 061°05'.00W	40				
			Ecum Secum		44°58'.00N 062°09'.00W	40				
			Shannon Hill		44°41'.00N 063°37'.00W	40				
			Sambro		44°28'.00N 063°37'.00W	40				
			Kingsburg		44°17'.00N 064°17'.00W	40				
			Saint John		45°14'.00N 065°59'.00W	40				
			Lockport		43°40'.00N 065°08'.00W	40				
			Yarmouth		43°45'.00N 066°07'.00W	40				
			Tiverton		44°24'.00N 066°14'.00W	40				

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	
			Grand Manan		44°36'.00N 066°54'.00W	40				
			Cape Blomidon		45°14'.00N 064°24'.00W	40				
			Scotch Mountain		45°46'.00N 065°48'.00W	40				
IV (cont.)	Canada (cont.)	Main	Labrador MCTS	003160022	- -	40	Operational	SD	24 hrs	JRCC Halifax
		Monitor	Goose Bay		53°18'.00N 056°58'.00W	40				
			Nain		56°33'.00N 061°43'.00W	40				
			Cartwright		53°42'.00N 057°02'.00W	40				
			Hopedale		55°27'.00N 060°13'.00W	40				
			Twillingate		49°41'.00N 054°48'.00W	40				
			Comfort Cove		49°16'.00N 054°52'.00W	40				
			Conche		50°54'.00N 055°53'.00W	40				
			L'Anse aux Meadows		51°34'.00N 055°30'.00W	40				
			Fox Harbour		52°22'.00N 055°40'.00W	40				
		Main	Les Escoumins MCTS	003160026	48°19'.00N 069°25'.00W	40	Operational	SD	24 hrs	MRSC Quebec
		Monitor	Lac Daigle		50°17'.00N 066°19'.00W	40				
			Mont-Joli		48°37'.00N 068°14'.00W	40				
			Grosses-Roches		48°55'.00N 067°07'.00W	40				
			Sacré-Coeur		48°13'.00N 069°52'.00W	40				
			Cap à l'Est		48°23'.00N 070°41'.00W	40				
			Mont-Louis		49°13'.00N 065°46'.00W	40				
			Cap-aux-Meules		47°23'.00N 061°52'.00W	40				
			Forillon		48°50'.00N 064°16'.00W	40				
			Heath Point		49°05'.00N 061°42'.00W	40				
			Havre St. Pierre		50°16'.00N 063°41'.00W	40				
			Natashquan		50°09'.00N 061°48'.00W	40				
			La Romaine		50°13'.00N 060°41'.00W	40				
			Harrington Harbour		50°30'.00N 059°29'.00W	40				
			Carleton		48°08'.00N 066°07'.00W	40				
			Newport		48°14'.00N 064°48'.00W	40				
		Main	Québec MCTS	003160027	- -		Operational	SD	24 hrs	MRSC Quebec
		Monitor	Mont Saint- Bruno		45°33'.00N 073°20'.00W	40				
			Mont Rigaud		45°27'.00N 074°18'.00W	40				
			Sorel		46°03'.00N 073°07'.00W	40				
			L'Acadie		45°19'.00N 073°19'.00W	40				
			Lauzon		46°49'.00N 071°10'.00W	40				
			Trois-Rivieres		46°24'.00N 072°27'.00W	40				
			Mont Bélair		46°49'.00N 071°30'.00W	40				

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	
IV (cont.)			Montmagny		46°56'.00N 070°31'.00W	40				
			Rivière-du-Loup		47°45'.00N 069°36'.00W	40				
		Main	Prescott MCTS	003160029	---	40	Operational	SD	24 hrs	JRCC Trenton
		Monitor	Cornwall		45°01'.00N 074°44'.00W	40				
			Cardinal		44°47'.00N 075°25'.00W	40				
	Canada (cont.)		Kingston		44°16'.00N 076°41'.00W	40				
			Cobourg		44°04'.00N 078°13'.00W	40				
			Trafalgar		43°30'.00N 079°44'.00W	40				
			Fonthill		43°03'.00N 079°18'.00W	40				
			Orillia		44°35'.00N 079°18'.00W	40				
		Main	Sarnia MCTS	003160030	44°01'.00N 082°11'.00W	40	Operational	SD	24 hrs	JRCC Trenton
			Kincardine		44°07'.00N 081°42'.00W	40				
			Leamington		42°04'.00N 082°40'.00W	40				
			Port Burwell		42°35'.00N 080°36'.00W	40				
			Grande Pointe		42°23'.00N 082°24'.00W	40				
			Rondeau		42°25'.00N 081°51'.00W	40				
			Thunder Bay		48°26'.00N 089°18'.00W	40				
			Horn		48°49'.00N 087°21'.00W	40				
			Bald Head		47°40'.00N 084°48'.00W	40				
			Sault Ste. Marie		46°32'.00N 084°35'.00W	40				
			Silver Water		45°54'.00N 082°55'.00W	40				
			Wiarton		44°45'.00N 081°07'.00W	40				
			Meaford		44°31'.00N 080°34'.00W	40				
			Tobermory		45°10'.00N 081°30'.00W	40				
			Killarney		45°58'.00N 081°29'.00W	40				
			Pointe au Baril		45°34'.00N 080°19'.00W	40				
	Colombia	Main	Turbo	007300801	8°8'.17N 6°50'.34W	25	Operational	SD	24 hrs	RCC Caribe
		Main	Coveñas	007300901	9°24'.37N 75°41'.34W	27	Operational	SD	24 hrs	RCC Caribe
		Main		007300501	10°18'.74N 75°34'.64W	35				RCC Caribe
		Main		007300301	11°2'.38N 74°49'.24W	20				RCC Caribe
	Curaçao (Netherlands)	Main	Seru Gracia (Curaçao)	003061000	12°20'.00N 069°08'.00W	40	Operational	PS	24 hrs	JRCC Curaçao
		Monitor	Sibu Rincon (Bonaire, Netherlands)		12°14'.00N 068°20'.00W	30				
			Mt. Scenery (Saba, Netherlands)		17°38'.00N 063°14'.00W	70				
			Jamanota (Aruba)		12°29'.00N 069°56'.00W	35				

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	
	Mexico	Main	Tampico	003450110	22°12'.55N 097°50'.45W	80	Operational	PS	24 hrs	MRCC Mexico, Mexican Navy
		Monitor	Veracruz	003450310	19°06'.53N 096°08'.03W	80	Operational			
			Chetumal	003451120	18°30'.00N 088°17'.08W	80	Operational			
			Cozumel	003451110	20°28'.28N 086°58'.18W	80	Operational			
			Cd. del Carmen	003450710	18°39'.40N 091°50'.23W	80	Operational			
IV (cont.)	Mexico (cont.)	Monitor	Progreso	003450910	21°16'.08N 089°41'.47W	80	Operational	PS	24 hrs	
			Coatzacoalcos	003450320	18°09'.36N 094°26'.51W	80	Operational			
	United States	Main	Northern New England	003669921	43°38'.00N 070°14'.00W	20	Operational	SD	24 hrs	Boston
		Main	Boston	003669901	42°22'.00N 071°03'.00W	20	Operational	SD	24 hrs	Boston
		Main	Southeast. New England	003669928	41°31'.00N 070°40'.00W	20	Operational	SD	24 hrs	Boston
		Main	New York	003669929	40°36'.00N 074°03'.00W	20	Operational	SD	24 hrs	Boston
		Main	Long Island	003669931	41°16'.00N 072°54'.00W	20	Operational	SD	24 hrs	Boston
		Main	Hampton Roads	003669922	36°53'.00N 076°21'.00W	20	Operational	SD	24 hrs	Norfolk
		Main	Baltimore	003669961	39°11'.00N 076°34'.00W	20	Operational	SD	24 hrs	Norfolk
		Main	Delaware Bay	003669905	39°56'.00N 075°08'.00W	20	Operational	SD	24 hrs	Norfolk
		Main	North Carolina	003669906	34°41'.00N 076°40'.00W	20	Operational	SD	24 hrs	Norfolk
		Main	Charleston	003669907	32°50'.00N 079°56'.00W	20	Operational	SD	24 hrs	Miami
		Main	Jacksonville	003669891	30°23'.00N 081°26'.00W	20	Operational	SD	24 hrs	Miami
		Main	Key West	003669918	24°33'.00N 081°47'.00W	20	Operational	SD	24 hrs	Miami
		Main	Miami	003669919	25°46'.00N 080°08'.00W	20	Operational	SD	24 hrs	Miami
		Main	St Petersburg	003669917	27°45'.00N 082°37'.00W	20	Operational	SD	24 hrs	Miami
		Main	Mobile	003669914	30°39'.00N 088°03'.00W	20	Operational	SD	24 hrs	New Orleans
		Main	Corpus Christi	003669916	27°42'.00N 097°16'.00W	20	Operational	SD	24 hrs	New Orleans
		Main	Houston-Galveston	003669915	29°43'.00N 095°15'.00W	20	Operational	SD	24 hrs	New Orleans
		Main	New Orleans	003669908	29°57'.00N 090°02'.00W	20	Operational	SD	24 hrs	New Orleans
V	NONE									
VI	Argentina	Main	Buenos Aires PNA Radio	007010001	34°34'.75S 058°21'.17W	35	Operational	SD	24 hrs	MRSC Rio de la Plata
			Rosario PNA Radio	007010004	32°52'.21S 060°41'.25W	35	Operational	SD	24 hrs	MRSC Rosario
			Zárate PNA Radio	007010020	34°05'.21S 059°00'.42W	35	Operational	SD	24 hrs	MRSC Tigre
	Uruguay	Main	MontevideoArmada Radio	007703870	34°56'.00S 056°09'.00W	30	Operational	N.I.	N.I.	MRCC Uruguay
		Monitor	Carmelo Radio		33°59'.00S 058°17'.00W	30				
			Colonia Radio		34°28'.00S 057°50'.00W	30				
			Piriapolis Radio		34°52'.00S 055°16'.00W	30				
			Chafalote Radio		34°28'.00S 054°26'.00W	30				

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	
			Santa Teresa Radio		34°00'.00S 053°33'.00W	30				
VII	Mozambique	Main	Maputo Radio	N.I.	N.I.	N.I.	Operational	N.I.	N.I.	
VIII	India	Main	Daman	004192201	20°25'.00N 072°52'.00E	25	Operational	SD	24 hrs	MRCC Mumbai
			Porbandar	004192202	21°38'.00N 069°37'.00E	25		SD	24 hrs	
			Mumbai	004192203	18°55'.00N 072°50'.00E	25		SD	24 hrs	
			New Mangalore	004192204	12°55'.00N 074°48'.00E	25		SD	24 hrs	
			Kochi	004192205	09°58'.00N 076°16'.00E	20		SD	24 hrs	
			Goa	004192206	15°25'.00N 073°48'.00E	25		SD	24 hrs	
			Okha	004192207	22°28'.00N 069°05'.00E	20		SD	24 hrs	
VIII (cont.)	India (cont.)		Chennai	004194401	13°06'.00N 080°18'.00E	25		SD	24 hrs	MRCC Chennai
			Vishakhapatnam	004194402	17°41'.00N 083°17'.00E	20		SD	24 hrs	
			Paradip	004194403	20°16'.00N 086°42'.00E	25		SD	24 hrs	
			Haldia	004194404	22°02'.00N 088°06'.00E	25		SD	24 hrs	
			Tuticorin	004194405	08°45'.00N 078°12'.00E	20		SD	24 hrs	
			Mandapam	004194406	09°17'.00N 079°05'.00E	20		SD	24 hrs	
			Diglipor	004194407	13°18'.00N 093°04'.00E	25		SD	24 hrs	MRCC Port Blair
			Campbell Bay	004194408	07°00'.00N 093°55'.00E	30		SD	24 hrs	
	Mauritius		Port Blair	004194409	11°41'.00N 092°46'.00E	30		SD	24 hrs	
			Cap Malheureux	006452700	19°59'.00S 057°36'.00E	30	Operational	SD	24 hrs	3BM
			Belle Mare	006452700	20°11'.00S 057°46'.00E	30	Operational	SD	24 hrs	3BM
			Souillac	006452700	20°30'.00S 057°31'.00E	30	Operational	SD	24 hrs	3BM
	Myanmar		Albion	006452700	20°12'.00S 057°24'.00E	30	Operational	SD	24 hrs	3BM
		Main	Yangon Radio	005060100	16°42'.00N 096°17'.00E	50	Operational	PS	24 hrs	
		Main	Yangon Radio	005060200	12°26'.00N 098°36'.00E	50	Operational	PS	24 hrs	
IX	Egypt	Main	Kosseir Radio	006221112	26°06'.00N 034°17'.00E	28.1	Operational	PS	24 hrs	RCC Cairo
		Monitor	Ras-Gharib		28°22'.00N 033°04'.00E	28.1				
			Zeitiya		27°49'.00N 033°34'.00E	28.6				
			Hurghada		27°15'.00N 033°48'.00E	28.1				
			Safaga		26°45'.00N 033°56'.00E	28.1				
			Sharm-El-Sheikh		27°52'.00N 034°18'.00E	23.8				
			Dahab		28°29'.00N 034°30'.00E	22.7				
	Iran (Islamic Republic of)	Main	Abbas Radio (Persian Gulf)	004225300	27°06'.06N 056°03'.48E	30	Operational	PS	24 hrs	
		Main	Jask Radio (Oman Sea)	004225308	25°38'.58N 057°45'.49E	30				
		Main	Khorramshahr Radio (ARVAND Rever)	004225101	30°20'.00N 048°22'.33E	30				

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	
		Main	Busheh Radio (Persian Gulf)	004225200	28°59'.00N 050°49'.00E	30				
		Main	Deylm Radio (Persian Gulf)	004225205	30°34'.00N 050°09'.00E	30				
		Main	Genaveh Radio (Persian Gulf)	004225206	29°34'.00N 050°34'.00E	30				
		Main	Lavar Radio (Persian Gulf)	004225204	28°15'.08N 051°15'.14E	30				
		Main	Dayer Radio (Persian Gulf)	004225203	27°50'.00N 051°55'.00E	30				
		Main	Asaluyeh Radio (Persian Gulf)	004225202	27°28'.05N 052°36'.05E	30				
		Main	Chabahar Radio (Oman Sea)	004225400	25°18'.00N 060°35'.00E	30				
		Main	Khomeini Radio (Persian Gulf)	004225100	30°25'.00N 049°03'.00E	30				
IX (cont.)	Iran (Islamic Republic of) (cont.)	Main	Kish Radio (Persian Gulf)	004224303	26°34'.15N 054°00'.24E	30				
		Main	Bahonar Radio (Persian Gulf)	004224301	27°07'.45N 056°12'.15E	30				
		Main	Aftab Radio (Persian Gulf)	004224311	26°43'.10N 053°55'.31E	30				
		Main	Qeshm Radio (Persian Gulf)	004224304	26°56'.50N 056°17'.07E	30				
		Main	Lengeh Radio (Persian Gulf)	004224302	26°32'.46N 054°53'.15E	30				
		Main	Abadan Radio (ARVAND Rever)	004224102	30°19'.45N 048°16'.55E	30				
		Main	Khark Radio (Persian Gulf)	004224201	29°13'.50N 050°20'.22E	30				
		Main	Lengeh Radio (Persian Gulf)	004224302	26°32'.46N 054°53'.15E	30				
		Main	Abomusa Radio (Persian Gulf)	004225310	25°52'.14N 055°00'.38E	30				
	Iraq	Main	Um Qasr	004250001	30.01.541N 47.56.473E	30	Operational	SD	24 hrs	
	Israel		RCC Haifa	004280003	29°34'.01N 034°57'.00E	25	Operational	SD	24 hrs	RCC Haifa
	Oman	Main	Muscat	N.I.	23°36'.42N 058°30'.14E	30	Operational	PS	24 hrs	Royal Air Force of Oman (RAFO) RCC, Royal Oman Police Coast Guard (ROP CG), and
		Monitor	Khasab	N.I.	26°14'.28N 056°12'.49E	35				
			Dibba	N.I.	25°39'.00N 056°16'.01E					
			[Border Post]	N.I.	24°58'.27N 056°21'.05E	35				
			Shinas	N.I.	24°44'.46N 056°27'.04E					
			Liwa	N.I.	24°31'.24N 056°36'.02E					
			Wudam	N.I.	23°48'.20N 057°31'.43E					

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	
			Massanah	N.I.	23°46'.38N 057°38'.42E					Royal Navy of Oman (RNO)
			Barka	N.I.	23°42'.09N 057°53'.30E					
			Quriyat	N.I.	23°14'.05N 058°53'.22E					
			Tiwi	N.I.	22°49'.27N 059°15'.30E					
			Ras Al Had	N.I.	22°31'.58N 059°47'.48E					
			Al Askahara	N.I.	21°15'.02N 059°01'.31E					
			Hilf	N.I.	20°38'.13N 058°52'.04E					
			Ras Abu Rasas	N.I.	20°11'.56N 058°39'.28E					
			Ras Madrasah	N.I.	18°59'.53N 057°46'.10E					
			TBC	N.I.	18°43'.00N 056°46'.00E					
			Ras Qaraw	N.I.	17°55'.00N 056°22'.00E					
			Mirbat	N.I.	17°00'.02N 054°41'.23E					
			Salalah	N.I.	17°01'.56N 054°15'.40E					
			Mughsayl	N.I.	16°53'.07N 053°47'.10E					
	Pakistan		N.I.	N.I.	24°50'.40N 066°58'.30E	40	Operational	N.I.	24 hrs	N.I.
IX (cont.)	Saudi Arabia	Main	Jeddah Radio	004030000	-	-	Operational	SD	24 hrs	RCC Riyadh
		Monitor	Duba		27°21'.00N 035°42'.00E	33				
			Al Wajh		26°14'.00N 036°27'.00E	33				
			Umm Lajj		25°01'.00N 037°16'.00E	33				
			Yanbu		24°05'.00N 038°03'.00E	33				
			Rabigh		22°48'.00N 039°01'.00E	33				
			Sharm Abhur		21°43'.00N 039°06'.00E	33				
			Jiddah		21°14'.85N 039°09'.72E	30				
			Shuaiba		20°40'.00N 039°31'.00E	35				
			Al Lith		20°08'.00N 040°16'.00E	35				
			Qunfudah		19°07'.00N 041°05'.00E	33				
			Al Birk		18°12'.00N 041°32'.00E	35				
			Shuqaiq		17°43'.00N 042°01'.00E	35				
			Jizan		16°53'.00N 042°32'.00E	35				
			Khafji		28°26'.00N 048°29'.00E	33				
			Al Jubayl (Jubail)		27°00'.00N 049°39'.00E	33				
			Dammam		26°26'.00N 050°06'.00E	33				
			Half Moon Beach		26°15'.00N 050°10'.00E	33				
X	NONE									
XI	China	Main	Dalian Radio	004121300	38°50'.00N 121°31'.00E	25	Operational	PS	24 hrs	Liaoning MRCC

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	
		Main	Fuzhou Radio	004122600	26°02'.00N 119°18'.00E	25				Fujian MRCC
		Main	Guangzhou Radio	004123100	23°08'.00N 113°29'.00E	25				Guangdong MRCC
		Main	Haikou Radio	004123500	20°01'.00N 110°17'.00E	25				Haikou HAS
		Main	Lianyungang Radio	004122300	34°42'.00N 119°18'.00E	25				Lianyungang MRCC
		Main	Ningbo Radio	004122400	30°01'.00N 121°30'.00E	25				Ningbo HAS
		Main	Qingdao Radio	004122200	36°10'.00N 120°28'.00E	25				Qingdao MRSC
		Main	Quinhuangdao Radio	004121200	39°53'.00N 119°31'.00E	25				Heibei MRCC
		Main	Shanghai Radio	004122100	31°06'.00N 121°32'.00E	25				Shanghai MRCC
		Main	Tianjin Radio	004121100	39°03'.00N 117°25'.00E	25				Tianjin MRCC
		Main	Xiamen Radio	004122700	24°35'.00N 118°06'.00E	25				Xiamen MRSC
		Main	Yantai Radio	004121400	37°32'.00N 121°22'.00E	25				Yantai MRSC
		Main	Zhanjiang Radio	004123300	21°09'.00N 110°21'.00E	25				Zhanjiang MRSC
	Indonesia	Main	Agats	005251532	05°32'.10S 138°07'.40E	25	Operational	PS	24 hrs	MRSC Timika
		Main	Air Bangis	005251558	00°12'.20N 099°22'.20E	25	Operational			MRSC Padang
		Main	Ambon	005250006	03°41'.57S 128°10'.40E	25	Operational			MRSC Ambon
XI (cont.)	Indonesia (cont.)	Main	Balikpapan	005250009	01°15'.09S 116°08'.32E	25	Operational			MRSC Balikpapan
		Main	Banjarmasin	005251520	03°19'.40S 114° 35'.35E	25	Operational			MRSC Banjarmasin
		Main	Batu Ampar	005250012	01°09'.27N 104°00'.52E	25	Operational			MRSC Tanjung Pinang
		Main	Batulicin	005251523	03°25'.55S 116°00'.14E	25	Operational			MRSC Banjarmasin
		Main	Baubau	005251526	05°29'.14S 122°34'.31E	25	Operational			MRSC Kendari
		Main	Belawan	005250003	03°43'.17N 098°40'.08E	25	Operational			MRSC Medan
		Main	Bengkalis	005250034	01°28'.39N 102°06'.34E	25	Operational			MRSC Pekanbaru
		Main	Bengkulu	005251512	03°53'.59S 102°18'.32E	25	Operational			MRSC Bengkulu
		Main	Benoa	005250014	08°44'.40S 115°12'.32E	25	Operational			MRSC Denpasar
		Main	Biak	005250031	01°11'.12S 136°05'.00E	25	Operational			MRSC Biak
		Main	Bima	005251516	08°26'.55S 118°42'.52E	25	Operational			MRSC Mataram
		Main	Bintuni	005250098	02°07'.11S 133°30'.04E	25	Operational			MRSC Manokwari
		Main	Bitung	005250005	01°27'.03N 125°11'.03E	25	Operational			MRSC Manado
		Main	Cigading	005250033	05°56'.05S 106°00'.23E	25	Operational			MRSC Jakarta
		Main	Cilacap	005250030	07°45'.17S 109°02'.23E	25	Operational			MRSC Semarang

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	
		Main	Cirebon	005250032	06°43'.00S 108°34'.20E	25	Operational	PS	24 hrs	MRSC Bandung
		Main	Dabo Singkep	005251559	00°30'.10S 104°34'.00E	25	Operational			MRSC Tanjung Pinang
		Main	Dumai	005250004	01°41'.10N 101°27'.20E	25	Operational			MRSC Pekanbaru
		Main	Ende	005251517	08°50'.48S 121°40'.25E	25	Operational			MRSC Kupang
		Main	Fak-Fak	005250026	02°56'.02S 132°17'.56E	25	Operational			MRSC Sorong
		Main	Gilimanuk	005251555	08°10'.41S 114°26'.05E	25	Operational			MRSC Denpasar
		Main	GN. Sitoli	005251556	02°16'.53N 097°37'.16E	25	Operational			MRSC Medan
		Main	Jakarta	005250000	06°07'.28S 106°51'.16E	25	Operational			MRSC Jakarta
		Main	Jambi	005251510	01°36'.24S 103°34'.52E	25	Operational			MRSC Jambi
		Main	Jayapura	005250007	02°31'.10S 140°43'.22E	25	Operational			MRSC Jayapura
		Main	Kalianget	005251514	07°02'.45S 113°56'.45E	25	Operational			MRSC Surabaya
		Main	Kendari	005250019	03°58'.00S 122°34'.20E	25	Operational			MRSC Kendari
		Main	Ketapang	005251503	01°48'.44S 109°57'.24E	25	Operational			MRSC Pontianak
		Main	Kuala Langsa	005251562	04°31'.38N 098°01'.05E	25	Operational			MRSC Banda Aceh
		Main	Kuala Tanjung	005251504	03°21'.49N 099°26'.45E	25	Operational			MRSC Medan
		Main	Kuala Tungkal	005251511	00°49'.23S 103°27'.30E	25	Operational			MRSC Pekanbaru
		Main	Kumai	005251522	02°45'.10S 111°43'.11E	25	Operational			MRSC Banjarmasin
		Main	Kupang	005250010	10°12'.49S 123°37'.05E	25	Operational			MRSC Kupang
		Main	Lembar	005250022	08°43'.41S 116°04'.23E	25	Operational			MRSC Mataram
		Main	Lhok Seumawe	005251503	05°14'.26N 097°02'.37E	25	Operational			MRSC Banda Aceh
		Main	Makassar	005250002	05°06'.34S 119°26'.22E	25	Operational			MRSC Makassar
XI (cont.)	Indonesia (cont.)	Main	Manado	005251529	01°29'.43S 124°50'.25E	25	Operational			MRSC Manado
		Main	Manokwari	005250023	00°51'.56S 134°04'.35E	25	Operational			MRSC Manokwari
		Main	Maumere	005251518	08°37'.00S 122°13'.05E	25	Operational			MRSC Kupang
		Main	Meneng	005251518	08°07'.33S 114°23'.51E	25	Operational			MRSC Surabaya
		Main	Merauke	005250021	08°28'.47S 140°23'.38E	25	Operational			MRSC Merauke
		Main	Muntok	005251509	02°03'.22S 105°09'.04E	25	Operational			MRSC Pangkal Pinang
		Main	Namlea	005250096	02°16'.37N 128°11'.53E	25	Operational	PS	24 hrs	MRSC Ambon
		Main	Natuna	005251505	03°40'.01N 108°07'.44E	25	Operational			MRSC Tanjung Pinang
		Main	Palembang	005251507	02°58'.08S 104°46'.44E	25	Operational			MRSC Palembang
		Main	Pangkal Balam	005251508	02°06'.10S 106°07'.49E	25	Operational			MRSC Pangkal Pinang
		Main	Pangkalan Susu	005251563	04°07'.00N 098°10'.30E	25	Operational			MRSC Medan

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	
		Main	Panjang	005250013	05°28'.23S 105°19'.03E	25	Operational			MRSC Lampung
		Main	Pantoloan	005250018	00°39'.54S 119°44'.45E	25	Operational			MRSC Palu
		Main	Parepare	005251525	04°01'.03S 119°37'.44E	25	Operational			MRSC Makassar
		Main	Pontianak	005250016	00°01'.26S 109°19'.06E	25	Operational			MRSC Pontianak
		Main	Poso	005251527	01°22'.51S 120°45'.19E	25	Operational			MRSC Palu
		Main	Rengat	005251560	00°28'.29S 102°41'.10E	25	Operational			MRSC Pekanbaru
		Main	Sabang	005251501	05°52'.50N 095°19'.58E	25	Operational			MRSC Banda Aceh
		Main	Samarinda	005251524	00°30'.30S 117°09'.12E	25	Operational			MRSC Balikpapan
		Main	Sampit	005251521	02°32'.20S 112°56'.47E	25	Operational			MRSC Banjarmasin
		Main	Sanana	005250025	02°03'.02S 125°38'.02E	25	Operational			MRSC Ambon
		Main	Saumlaki	005251531	07°58'.15S 131°18'.19E	25	Operational			MRSC Ambon
		Main	Sei Kolak Kijang	005250029	00°51'.04N 104°36'.31E	25	Operational			MRSC Tanjung Pinang
		Main	Selat Panjang	005251561	01°01'.15N 102°43'.10E	25	Operational			MRSC Pekanbaru
		Main	Semarang	005250008	06°58'.35S 110°20'.37E	25	Operational			MRSC Semarang
		Main	Serui	005251567	01°53'.12S 136°14'.27E	25	Operational			MRSC Biak
		Main	Sibolga	005250028	01°44'.25N 098°46'.15E	25	Operational			MRSC Medan
		Main	Sintete	005251565	01°11'.42N 109°03'.38E	25	Operational			MRSC Pontianak
		Main	Sipora	005251047	01°30'.50S 100°02'.20E	25	Operational			MRSC Padang
		Main	Sorong	005250011	00°53'.03S 131°16'.29E	25	Operational			MRSC Sorong
		Main	Surabaya	005250001	07°13'.05S 112°44'.08E	25	Operational			MRSC Surabaya
		Main	Tahuna	005250024	03°35'.20N 125°30'.10E	25	Operational			MRSC Manado
XI (cont.)	Indonesia (cont.)	Main	Tanjung Uban	005251506	01°04'.03N 104°13'.28E	25	Operational	PS	24 hrs	MRSC Tanjung Pinang
		Main	Tanjung Santan	005251554	00°02'.00S 117°31'.00E	25	Operational			MRSC Balikpapan
		Main	Tapak Tuan	005251502	03°16'.19N 097°09'.48E	25	Operational			MRSC Banda Aceh
		Main	Tarakan	005250017	03°17'.28N 117°35'.25E	25	Operational			MRSC Balikpapan
		Main	Tegal	005251513	06°51'.11S 109°08'.16E	25	Operational			MRSC Semarang
		Main	Teluk Bayur	005251075	01°00'.10S 100°21'.55E	25	Operational			MRSC Padang
		Main	Teluk Dalam	005251557	00°33'.52N 097°49'.05E	25	Operational			MRSC Medan
		Main	Ternate	005251566	00°40'.00N 127°20'.00E	25	Operational			MRSC Ternate
		Main	Tg Balai Asahan	005251552	02°58'.00N 099°48'.24E	25	Operational			MRSC Medan
		Main	Tg Pandan	005251553	02°44'.38S 107°37'.47E	25	Operational			MRSC Pangkal Pinang
		Main	Toli-Toli	005251528	01°03'.08N 120°48'.03E	25	Operational			MRSC Palu
		Main	Tual	005251530	05°37'.46S 132°44'.46E	25	Operational			MRSC Ambon
		Main	Waingapu	005251564	01°02'.20S 120°44'.00E	25	Operational			MRSC Kupang

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	
	Malaysia	Monitor	Gunung Jerai	005330001	05°47'.00N 100°26'.00E	95	Operational	PS	24 hrs	MRCC Port Klang
			Gunung Berinchang	005330003	04°31'.00N 101°23'.00E	117				
			Ulu Kali	005330004	03°26'.00N 101°47'.00E	114				MRCC Port Klang
			Gunung Ledang	005330005	02°03'.00N 102°34'.00E	95				
			Tioman	005330006	02°48'.00N 104°12'.00E	27				
			Kuala Rompin	005330007	02°48'.00N 103°29'.00E	38				
			Kemuning	005330008	04°19'.00N 103°28'.00E	57				
			Kuala Terengganu	005330009	05°18'.00N 103°08'.00E	55				
			Machang	005330010	05°43'.00N 102°17'.00E	70				
		Monitor	Kuching	005330011	01°35'.00N 110°11'.00E	85	Operational	PS	24 hrs	MRCC Port Klang
			Bintulu	005330012	03°13'.00N 113°05'.00E	48				
			Kota Kinabalu	005330013	06°02'.00N 116°12'.00E	75				
			Labuan	005330014	05°17'.00N 115°15'.00E	22				
	Philippines	Main	Manila	005480020	14°35'.09N 121°01'.00E	25		PS	24 hrs	Manila
			Bataan		14°38'.30N 121°28'.54E	25				Manila
			Subic		14°52'.34N 120°17'.42E					Manila
			Batangas		13°45'.00N 121°02'.37E	25				Batangas
			Lucena		13°54'.00N 121°38'.00E	25				
			Calapan		13°25'.40N 121°11'.42E	25				
			San Jose		12°20'.00N 121°05'.00E	25				
			Romblon		12°34'.40N 122°16'.08E	25				
			Puerto Real		14°40'.15N 121°36'.47E	25				
			Iloilo		10°41'.22N 122°34'.19E	25				Iloilo
XI (cont.)	Philippines (cont.)		Bacalod		10°28'.41N 123°25'.20E	25				
			Roxas		11°36'.15N 122°42'.34E	25				
			Caticlan		11°56'.17N 121°57'.03E	25				
			San Jose de Buenavista		10°44'.17N 121°56'.16E	25				
			San Fernando		16°36'.31N 120°17'.42E	25				San Fernando
			Sual		16°04'.33N 120°29'.20E	25				
			Currimao		17°59'.12N 120°29'.20E	25				San Fernando
			Aparri		18°21'.35N 121°37'.49E	25				Aparri
			Basco		20°26'.53N 121°58'.04E	25				
			Legaspi		13°08'.35N 123°45'.31E	25				Legaspi
			Masbate		12°22'.12N 123°36'.57E	25				
			Sorsogon		12°58'.01N 124°00'.14E	25				
			Davao		07°08'.00N 125°40'.00E	25				Davao

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	
			General Santos		06°05'.34N 125°09'.16E	25				
			Sarangani		05°24'.45N 125°25'.32E	25				
			Mati		06°57'.06N 126°12'.54E	25				
			Bislig		08°12'.54N 126°22'.40E	25				Puerto Princesa
			Cuyo		10°51'.08N 121°00'.24E	25				
			Coron		11°59'.29N 120°12'.42E	25				
			Liminang Cong		10°49'.37N 119°31'.03E	25				
			Brooke`s Point		08°46'.20N 117°49'.57E	25				
			Cebu		10°16'.18N 123°53'.53E	25				Cebu
		Main	Tacloban		11°03'.54N 125°01'.24E	25	Operational	PS	24 hrs	
			Maasin		10°07'.54N 124°50'.08E	25				
			Catbalogan		11°46'.27N 123°52'.48E	25				
			Tagbilaran		09°38'.56N 123°50'.50E	25				Tagbilaran
			Zamboanga		06°54'.13N 122°04'.16E	25				Zamboanga
			Jolo		06°03'.22N 121°00'.00E	25				
			Pagadian		07°49'.06N 123°26'.20E	25				
			Mapun		06°58'.21N 118°30'.33E	25				
			Cotabato		07°12'.17N 124°09'.46E	25				
			Cagayan de Oro		08°29'.47N 124°39'.38E	25				Cagayan de Oro
			Ozamis		08°08'.23N 123°50'.43E	25				
			Dapitan		08°37'.40N 123°23'.44E	25				
			Butuan		08°57'.00N 125°32'.39E	25				
			Surigao		09°46'.55N 125°30'.00E	25				
			Iligan		08°13'.50N 124°13'.59E	25				
XI (cont.)	Republic of Korea	Main	Incheon Korea Coast Guard	004401001	37°27'.00N 126°36'.00E	25	Operational	SD	24 hrs	Incheon RCC
		Main	East Regional HQs Korea Coast Guard	004401002	37°29'.00N 129°07'.00E	25				Donghae RCC
		Main	West Regional HQs Korea Coast Guard	004401003	34°47'.00N 126°32'.00E	25				Seohae RCC
		Main	South Regional HQs Korea Coast Guard	004401004	35°07'.00N 129°03'.00E	25				Namhae RCC
		Main	Jeju Coast Guard Station	004401005	33°31'.00N 126°32'.00E	25				Jeju RCC
		Main	Seoul Radio	004400002	37°32'.00N 127°05'.00E	25		PS		Incheon RCC
		Monitor	Seoul Radio	004400003	37°29'.00N 126°33'.00E	25				Incheon RCC
			Seoul Radio	004400004	37°13'.00N 126°09'.00E	25				Incheon RCC
			Seoul Radio	004400201	36°18'.00N 126°38'.00E	25				Seohae RCC

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	
			Seoul Radio	004400501	35°57'.00N 126°41'.00E	25				Seohae RCC
			Seoul Radio	004400308	34°41'.00N 125°27'.00E	25				Seohae RCC
			Seoul Radio	004400307	35°08'.00N 126°06'.00E	25				Seohae RCC
			Seoul Radio	004400309	34°48'.00N 126°24'.00E	25				Seohae RCC
			Seoul Radio	004400304	34°44'.00N 126°07'.00E	25				Seohae RCC
			Seoul Radio	004400310	34°27'.00N 126°37'.00E	25				Seohae RCC
			Seoul Radio	004400306	34°26'.00N 127°30'.00E	25				Namhae RCC
			Seoul Radio	004400305	34°45'.00N 127°44'.00E	25				Namhae RCC
			Seoul Radio	004400104	34°59'.00N 127°52'.00E	25				Namhae RCC
			Seoul Radio	004400103	34°48'.00N 128°25'.00E	25				Namhae RCC
		Monitor	Seoul Radio	004400106	35°09'.00N 128°44'.00E	25	Operational	PS	24 hrs	Namhae RCC
			Seoul Radio	004400105	35°08'.00N 129°02'.00E	25				Namhae RCC
			Seoul Radio	004400101	35°05'.00N 129°03'.00E	25				Namhae RCC
			Seoul Radio	004400102	35°35'.00N 129°24'.00E	25				Donghae RCC
			Seoul Radio	004400401	36°30'.00N 129°26'.00E	25				Donghae RCC
			Seoul Radio	004400402	36°51'.00N 129°24'.00E	25				Donghae RCC
			Seoul Radio	004400403	37°28'.00N 130°53'.00E	25	Operational	PS	24 hrs	Donghae RCC
			Seoul Radio	004400404	37°32'.00N 130°52'.00E	25				Donghae RCC
			Seoul Radio	004400603	37°26'.00N 129°10'.00E	25				Donghae RCC
			Seoul Radio	004400602	37°42'.00N 129°00'.00E	25				Donghae RCC
			Seoul Radio	004400604	38°11'.00N 128°35'.00E	25				Donghae RCC
			Seoul Radio	004400701	33°29'.00N 126°29'.00E	25				Jeju RCC
			Seoul Radio	004400702	33°14'.00N 126°33'.00E	25				Jeju RCC
		Main	Busan VTS	004403102	35°04'.00N 129°05'.00E	25		SD		Namhae RCC
		Main	Busan Newport VTS	004403106	35°03'.00N 128°46'.00E	25				Namhae RCC
		Main	Incheon VTS	004403001	37°27'.00N 126°36'.00E	25				Incheon RCC
XI (cont.)	Republic of Korea (cont.)	Main	Yeosu VTS	004403302	34°44'.00N 127°45'.00E	25				Seohae RCC
		Main	Masan VTS	004403101	35°11'.00N 128°34'.00E	25				Namhae RCC
		Main	Ulsan VTS	004403103	35°30'.00N 129°23'.00E	25				Donghae RCC
		Main	Donghae VTS	004403601	37°29'.00N 129°08'.00E	25				Donghae RCC
		Main	Gunsan VTS	004403501	35°58'.00N 126°33'.00E	25				Seohae RCC
		Main	Mokpo VTS	004403301	34°47'.00N 126°21'.00E	25				Seohae RCC
		Main	Wando VTS	004403304	34°18'.00N 126°46'.00E	25				Seohae RCC
		Main	Pohang VTS	004403401	36°00'.00N 129°25'.00E	25				Donghae RCC
		Main	Jeju VTS	004403701	33°31'.00N 126°32'.00E	25				Jeju RCC
		Main	Pyeongtaek VTS	004403002	36°57'.00N 126°50'.00E	25				Seohae RCC

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	
	Singapore	Main	Daesan VTS	004403201	36°58'.00N 126°23'.00E	25				Seohae RCC
		Main	Singapore Port Operations Control Centre	005630002	01°16'.28N 103°50'.67E	25	Operational	SD	24 hrs	
	Thailand	Monitor	Bangkok Radio Sriracha	005671000	13°11'.39N 100°57'.01E	27	Operational	SD	24 hrs	Bangkok RCC
			Petchaburi		12°59'.73N 100°03'.32E	27	Operational			
	Viet Nam	Main	Ho Chi Minh-Ville/XVS Radio	005743030	10°21'.29N 107°04'.15E	30	Operational	PS	24 hrs	Vungtau MRCC VMRCC
		Main	Haï Phong/XVG Radio	005741040	20°47'.50N 106°42'.54E	30				Haiphong MRCC VMRCC
		Main	Da Nang/XVT Radio	005742030	16°07'.56N 108°15'.06E	30				Danang MRCC VMRCC
		Main	Nha Trang/XVN Radio	005742080	12°29'.27N 109°15'.50E	30	Operational	PS	24 hrs	
		Main	Vung Tau/XVR Radio	005743020	10°21'.60N 107°04'.01E	30				Vungtau MRCC VMRCC
		Main	Mong Cai/XVM Radio	005741010	21°31'.38N 107°58'.19E	30				Haiphong MRCC VMRCC
		Main	Cua Ong/XVC Radio	005741020	21°01'.12N 107°24'.01E	30				Hon Gai Port Authority
		Main	Hon Gai/XVQ Radio (Quang Ninh)	005741030	20°57'.15N 107°04'.22E	30				Haiphong MRCC VMRCC
		Main	Ben Thuy/SVB Radio	005741070	18°30'.57N 105°42'.21E	30				
		Main	Hue/XVD Radio	005742020	16°32'.38N 107°38'.24E	30				Danang MRCC VMRCC
		Main	Quy Nhon/XVI Radio	005742060	13°47'.00N 109°14'.00E	30				
		Main	Kien Giang/SVK Radio	005743080	09°22'.00N 104°26'.00E	30				Vungtau MRCC VMRCC
		Main	Can Tho/XVU Radio	005743050	10°02'.00N 105°47'.00E	30				
		Main	Thanh Hoa	005741060	19°17'.99N 105°49'.16E	30				Haiphong MRCC VMRCC
		Main	Ca Mau/XVA Radio	005743070	09°12'.01N 105°10'.48E	30				Vungtau MRCC VMRCC
		Main	Phan Rang/XVN Radio	005742100	11°33'.53N 109°00'.23E	30				Danang MRCC VMRCC
XI (cont.)	Viet Nam (cont.)	Main	Phu Yen/XVY Radio	005742070	12°53'.40N 109°27'.12E	30				
		Main	Phan Thiet/XVP Radio	005743010	10°54'.55N 108°06'.11E	30				Vungtau MRCC VMRCC
	Associate Member of IMO Hong Kong, China	Main	Hong Kong Marine Rescue Radio Tai Mo Shan	004773500	22°24'.34N 114°07'.28E	50	Operational	SD	24 hrs	Hong Kong MRCC
		Standby	Hong Kong Marine Rescue Radio Victoria Peak		22°16'.27N 114°08'.35E	50	Operational	SD	24 hrs	Hong Kong MRCC
XII	Canada	Main	Victoria MCTS	003160011	--	40	Operational	SD	24 hrs	JRCC Victoria

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	
		Monitor	Bowen Island		49°21'.00N 123°23'.00W	40				
			Mount Parke		48°50'.00N 123°18'.00W	40				
			Mount Helmcken		48°24'.00N 123°34'.00W	40				
			Annacis Island		49°12'.00N 122°55'.00W	40				
			Mount Newton		48°37'.00N 123°27'.00W	40				
			Watts Point		49°39'.00N 123°13'.00W	40				
		Main	Prince Rupert MCTS	003160013	--	40	Operational	SD	24 hrs	JRCC Victoria
		Monitor	Dundas Island		54°31'.00N 130°55'.00W	40				
			Rose Inlet		52°13'.00N 131°13'.00W	40				
			Klemtu		52°35'.00N 128°34'.00W	40				
			Mount Gil		53°16'.00N 129°12'.00W	40				
			Naden Harbour		53°57'.00N 132°57'.00W	40				
			Cumshewa		53°10'.00N 132°00'.00W	40				
			Mount Hayes		54°17'.00N 130°19'.00W	40				
			Calvert Island		51°35'.00N 128°01'.00W	40				
			Holberg		50°38'.00N 128°08'.00W	40				
			Eliza Dome		49°52'.00N 127°07'.00W	40				
			Mount Ozzard		48°58'.00N 125°30'.00W	40				
		Main	Comox MCTS	003160014	--	40	Operational	SD	24 hrs	JRCC Victoria
		Monitor	Port Hardy		50°42'.00N 127°42'.00W	40				
			Discovery Mountain		50°19'.00N 125°22'.00W	40				
			Texada Island		49°42'.00N 124°26'.00W	40				
	Colombia	Main	Buenaventura	007300101	03°48,513'N 77°10,777'W	27	Operational	SD	24 hrs	RCC Pacífico
		Main	Tumaco	007300201	01°49,318'N 78° 43,77'	35	Operational	SD	24 hrs	RCC Pacífico
	Ecuador	Main	Guayaquil	007354750	02°11'.00S 079°53'.00W	30	Operational	N.I.	24 hrs	Guayaquil Coast Guard
		Monitor	Esmeraldas	007354752	00°57'.00N 079°39'.00W	30				
			Bahia	007354753	00°35'.00S 080°25'.00W	30				
			Manta	007354754	00°57'.00S 080°43'.00W	30				
			Salinas	007354755	02°12'.00S 080°52'.00W	30				
			Puerto Bolivar	007354756	03°16'.00S 080°00'.00W	30				
XII (cont.)	Ecuador (cont.)	Main	Ayora	007354757	00°44'.50S 090°18'.45W	30				
		Monitor	Baquerizo Moreno	007354758	00°54'.00S 089°37'.00W	30				
	Mexico	Main	Mazatlan	003450810	23°10'.03N 106°25'.43W	80	Operational	PS	24 hrs	Sector Naval
		Monitor	Ensenada	003450210	31°51'.08N 116°37'.07W	80	Operational			Zona Naval (ZN-2)
			Manzanillo	003451410	19°01'.12N 104°19'.11W	80	Operational			Sector Naval
			Acapulco	003451810	16°50'.15N 099°56'.12W	80				Zona Naval (ZN-8)

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	
	United States		Salina Cruz	003452010	16°10'.27N 095°11'.00W	80	Operational			Zona Naval (ZN-10)
			Lazaro Cardenas	003451610	17°57'.00N 102°12'.27W	80				Zona Naval (ZN-6)
			Puerto Vallarta	003451210	20°45'.54N 105°31'.53W	80	Operational			Sector Naval
		Main	Sector San Diego	003669913	32°43'.00N 117°11'.00W	20	Operational	SD	24 hrs	Alameda
		Main	Sector Los Angeles-Long Beach	003669912	33°43'.00N 118°16'.00W	20	Operational	SD	24 hrs	Alameda
		Main	Sector San Francisco	003669926	37°48'.00N 122°21'.00W	20	Operational	SD	24 hrs	Alameda
		Main	Sector Humboldt Bay	003669909	40°58'.00N 124°06'.00W	20	Operational	SD	24 hrs	Alameda
		Main	Sector Puget Sound	003669938	47°35'.00N 122°20'.00W	20	Operational	SD	24 hrs	Seattle
		Main	Sector Columbia River	003669937	46°09'.00N 123°52'.00W	20	Operational	SD	24 hrs	Seattle
		Main	Sector North Bend	003669911	43°24'.00N 124°14'.00W	20	Operational	SD	24 hrs	Seattle
XIII	Russian Federation	Main	Vladivostok	002734412	43°07'.00N 131°55'.00E	55	Operational	SD	24 hrs	MRCC Vladivostok
		Monitor	Nakhodka		42°51'.00N 132°50'.00E	45				
			Tumannaya (Posiet)		42°34'.00N 131°11'.00E	70				
		Main	Magadan	002734416	59°33'.00N 150°43'.00E	19	Operational	SD	24 hrs	MRSC Petropavlovsk-Kamchatskiy
		Main	Vanino	002734421	48°55'.00N 140°20'.00E	45	Operational	SD	24 hrs	MRSC Yuzhno-Sakhalinsk
		Main	Yuzhno-Sakhalinsk	002733733	-	-	Operational	SD	24 hrs	MRSC Yuzhno-Sakhalinsk
		Monitor	Korsakov		46°45'.00N 142°27'.00E	42				
			Nevel'sk		46°38'.00N 141°51'.00E	40				
			Kholmsk		47°02'.00N 142°03'.00E	31				
			Cape Svobodniy		46°50'.00N 144°26'.00E	32				
		Main	Petropavlovsk-Kamchatskiy	002734418	52°59'.00N 158°39'.00E	7	Operational	SD	24 hrs	MRSC Petropavlovsk-Kamchatskiy
XIV	NONE									
XV	Chile	Main	Iquique	007250020	20°12'.68S 070°09'.22W	64	Operational	SD	24 hrs	MRCC Iquique
		Main	Arica	007250010	18°29'.10S 070°19'.16W	39				MRSC Arica
		Main	Antofagasta	007250050	23°40'.67S 070°24'.48W	30				MRSC Antofagasta
		Main	Tocopilla	007250030	22°05'.25S 070°12'.15W	15				
		Main	Mejillones	007250040	23°05'.40S 070°27'.00W	15				
		Main	Taltal	007250060	25°24'.30S 070°29'.02W	15				
		Main	Chañaral	007250070	26°21'.00S 070°38'.20W	15				MRSC Caldera

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	
		Main	Caldera	007250080	27°03'.58S 070°49'.23W	15				
		Main	Huasco	007250090	28°27'.40S 071°13'.30W	15				
		Main	Isla de Pascua	007250100	27°08'.98S 109°26'.22W	44				
		Main	Coquimbo	007250110	29°56'.30S 071°20'.10W	62	Operational	SD	24 hrs	MRSC Coquimbo
		Main	Los Vilos	007250120	31°54'.15S 071°31'.23W	15				MRCC Valparaíso
		Main	Quintero	007250125	32°46'.21S 071°31'.28W	15				
		Main	Juan Fernández	007250130	33°37'.11S 078°49'.39W	15				
		Main	Valparaíso	007251860	33°04'.70S 071°36'.80W	63		PS		MRSC San Antonio
		Main	San Antonio	007250140	33°34'.00S 071°37'.00W	31		SD		
		Main	Constitución	007250150	35°19'.10S 072°24'.05W	15				
		Main	Talcahuano	007250170	36°41'.48S 073°06'.52W	32				MRCC Talcahuano
		Main	Corral	007250210	39°53'.01S 073°25'.31W	15				
		Main	Valdivia	007250220	39°48'.50S 073°14'.51W	15				
		Main	Puerto Montt	007250230	41°28'.83S 072°57'.67W	34				MRCC Puerto Montt
		Main	Corona	007250235	41°47'.04S 073°52'.33W	26				
		Main	Ancud	007250240	41°52'.04S 073°50'.20W	15				
		Main	Castro	007250250	42°28'.58S 073°46'.04W	15				MRSC Castro
		Main	Chaitén	007250260	42°55'.00S 072°43'.27W	15				
		Main	Quellón	007250270	43°07'.32S 073°37'.42W	15				
		Main	Melinka	007250280	43°53'.54S 073°44'.45W	15				MRSC Puerto Aysén
		Main	Isla Guafo	007250290	43°33'.54S 074°49'.50W	33				MRCC Puerto Montt
		Main	Puerto Aguirre	007250294	45°09'.45S 073°31'.36W	15				MRSC Puerto Aysén
		Main	Puerto Chacabuco	007250298	45°26'.48S 072°49'.18W	15				
		Main	Aysén	007250300	45°24'.29S 072°43'.05W	16				
		Main	Cabo Raper	007250310	46°49'.08S 075°37'.23W	22				MRCC Punta Arenas
		Main	San Pedro	007250320	47°42'.39S 074°53'.35W	18				
		Main	Puerto Edén	007250330	49°08'.20S 074°27'.10W	15				
		Main	Puerto Natales	007250340	51°44'.54S 072°32'.10W	15				
		Main	Faro Evangelistas	007250350	52°23'.07S 075°05'.54W	21				
		Main	Faro Fairway	007250360	52°43'.53S 073°46'.42W	19				
XV (cont.)	Chile (cont.)	Main	Bahía Felix	007250370	52°57'.43S 074°04'.51W	19				
		Main	Magallanes	007250380	53°09'.92S 070°54'.28W	64				
		Main	Punta Delgada	007250390	52°27'.12S 069°33'.15W	17				
		Main	Punta Dungeness	007250400	52°24'.00S 068°26'.00W	21				

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	
		Main	Espíritu Santo	007250410	52°39'.32S 068°36'.42W	24				MRSC Puerto Williams
		Main	Puerto Williams	007250420	54°55'.57S 067°36'.27W	22				
		Main	Wollaston	007250430	55°36'.48S 067°25'.48W	28				
		Main	Diego Ramírez	007250440	56°31'.24S 068°42'.36W	28				MRSC Chilean Antarctic
		Main	Bahía Fildes	007250450	62°11'.48S 058°55'.30W	15				
		Main	Bahía Paraíso (Antarctica)	007250470	64°49'.23S 062°51'.34W	15				
XVI	Peru	Main	Callao	007600125	12°03' S 077°09' W	50	Operational	PS	24 hrs	MRCC Callao
		Main	Chimbote	007600126	09°08' S 078°37' W	12		SD		MRSC Chimbote
		Main	Huacho	007600128	11°07' S 077°37' W	30		SD		MRSC Huacho
		Main	Ilo	007600132	17°39' S 071°21' W	53		SD		MRSC Ilo
		Main	Mollendo	007600129	17°01' S 072°01' W	30	Operational	PS	24 hrs	MRCC Mollendo
		Main	Paita	007600121	05°05' S 081°07' W	30	Operational	PS	24 hrs	MRCC Paita
		Main	Pimentel	007600123	06°50' S 079°56' W	25		SD		MRSC Pimentel
		Main	Pisco	007600130	13°43' S 076°13' W	17		SD		MRSC Pisco
		Main	Salaverry	007600124	08°13' S 078°59' W	25		SD		MRSC Salaverry
		Main	San Juan	007600131	15°22' S 075°10' W	30		SD		MRSC San Juan
		Main	Supe	007600127	10°48' S 077°44' W	15		SD		MRSC Supe
		Main	Talara	007600122	04°35' S 081°17' W	30		SD		MRSC Talara
		Main	Zorritos	007600120	03°40' S 080°40' W	30		SD		MRSC Zorritos
		Main	Chancay	007600135	11°35' S 077°16' W	30		SD		MRSC Chancay
XX	Russian Federation	Main	Murmansk	002734420	68°59'.00N 033°04'.00E		Operational	SD	24 hrs	MRCC Murmansk
		Monitor	Abram-Mys		68°58'.00N 033°01'.00E	16.5				
			Krestovy		69°08'.00N 033°32'.00E	45				
			Set-Navolok		69°24'.00N 033°30'.00E	30				
		Main	Arkhangel'sk	002734414	64°32'.00N 040°32'.00E	25.6	Operational	SD	24 hrs	MRCC Arkhangelsk
		Monitor	Mudyug		64°51'.00N 040°17'.00E	24.5				

SD = Safety and Distress
PS = Public Correspondence and Safety and Distress
"Monitor" stations include remote-controlled stations

ANNEX 3

LIST OF MF DSC COAST STATIONS FOR SEA AREA A2

NAV/MET Area	Country	MF DSC Coast Stations								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on 2187.5 kHz	
I	Belgium	Main	Oostende Radio	002050480	51°20'.04N 003°12'.00E	155	Operational	PS	24 hrs	Oostende MRCC
	Denmark	Main	Lyngby Radio	002191000	-	-	Operational	SD	24 hrs	JRCC Denmark
		Monitor	Blaavand		55°33'.24N 008°06'.80E	153				
			Skagen		57°44'.00N 010°34'.00E	148				
	Estonia	Main	Tallinn	002761100	-	-	Operational	SD	24 hrs	JRCC Tallinn
		Monitor	Undva	002761000	58°30'.37N 021°55'.39E	150				
		Main	Tallinn North	002760100	59°24'.00N 024°40'.00E	150				
		Main	Kuressaare West	002760120	58°15'.00N 022°29'.00E	150				
	Finland	Main	MRCC Turku	002301000	-	-	Operational	SD	24 hrs	MRCC Turku (Back up by MRSC Helsinki)
		Monitor	Hailuoto		65°01'.57N 024°35'.16E	150				
			Vaasa		63°06'.04N 021°34'.36E	150				
			Mariehamn		60°06'.47N 019°56'.59E	150				
	France	Main	Ouessant (transmission)	002275300	48°28'.00N 005°03'.00W	140	Operational	SD	24 hrs	MRCC Corsen
		Main	Corsen (reception)		48°24'.00N 004°47'.00W	140				
	Iceland	Main	Reykjavik Radio	002510100	64°05'.00N 021°51'.00W	216	Operational	SD/PS	24 hrs	MRCC Reykjavik
		Monitor	Isafjordur		66°05'.00N 023°02'.00W	227				
			Siglufjordur		66°11'.00N 018°57'.00W	216				
			Neskaupstadur		65°09'.00N 013°42'.00W	194				
			Hornafjordur		64°15'.00N 015°13'.00W	194				
			Vestmannaeyjar		63°26'.00N 020°16'.00W	194				
	Ireland	Main	Malin Head Radio	002500100	55°21'.00N 007°20'.00W	150	Operational	SD	24 hrs	MRSC Malin Head
			Valentia Radio	002500200	51°55'.00N 010°20'.00W	150				MRSC Valentia
	Latvia	Main	Riga Rescue Radio	002750100	57°02'.00N 024°05'.00E	150	Operational	SD	24 hrs	MRCC Riga
		Monitor	Uzava		57°13'.00N 021°26'.00E	120				
			Akmenrags		56°50'.00N 021°03'.00E	120				
	Lithuania	Main	MRCC Klaipeda	002770330	56°01'.00N 021°05'.00E	100	Operational	SD	24 hrs	MRCC Klaipeda
	Netherlands		Netherlands Coastguard Radio (PBK)	002442000			Operational	SD	24 hrs	JRCC Den Helder
		Main	Oudorp		51°.48N 003°.53E	240				
		Back-up	Appingedam (TX)		53°20'.08N 006°51'.33E	150				

NAV/MET Area	Country	MF DSC Coast Stations								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on 2187.5 kHz	
I (cont.)	Netherlands (cont.)	Monitor	West-Terschelling (RX)		53°21'.26N 005°12'.51E	150				
			Noordwijk Radio (RX)		52°17'.35N 004°28'.19E	150				
	Norway	Main	Tjøme Radio (Jeløy)	002570100	59°26'.11N 010°35'.35E	200	Operational	PS	24 hrs	JRCC South Norway Stavanger
		Main	Rogaland Radio (Vigre)	002570300	58°39'.00N 005°36'.00E	200				
		Monitor	Farsund		58°04'.21N 006°44'.40E	200				
			Bergen		60°42'.31N 004°52'.42E	200				
		Main	Florø Radio	002570500	61°35'.00N 005°00'.00E	200				
		Monitor	Ørlandet		63°40'.59N 009°35'.25E	200				
		Main	Bodø Radio (Bodøsjøen)	002570700	67°16'.00N 014°23'.00E	200				JRCC North Norway Bodø
		Monitor	Sandnessjøen		66°01'.00N 012°37'.00E	200				
			Andenes		69°18'.00N 016°04'.00E	200				
			Jan Mayen		70°57'.00N 008°40'.01W	200				
			Bjørnøya		74°31'.00N 019°01'.00E	200				
			Svalbard Radio		78°02'.00N 013°40'.00E	200				
		Main	Vardø Radio	002570800	70°22'.00N 031°06'.00E	200				
		Monitor	Tromsø		69°39'.00N 018°57'.00E	200				
			Hammerfest		70°39'.88N 023°40'.71E	200				
			Berlevåg		70°52'.00N 029°04'.00E	200				
	Poland	Main	Witowo Radio, Barzowice (Tx/Rx)	002610210	54°28'.42N 016°30'.32E	150	Operational	SD	24 hrs	RCC Gdynia
	Russian Federation	Main	Kaliningrad Rx	002734417	54°45'.00N 020°35'.00E	125	Operational	SD	24 hrs	MRCC Kaliningrad
			Kaliningrad Tx		54°43'.00N 020°44'.00E					
			Saint Petersburg	002733700	59°53'.00N 030°13'.00E	150				MRCC St. Petersburg
			Rx Gorki		59°48'.00N 028°30'.00E					
			Tx Karavaldayskiy		59°59'.00N 029°07'.00E					
	Sweden	Main	Göteborg	002653000	--	--	Operational	SD	24 hrs	JRCC Sweden
		Monitor	Bjuröklubb		64°28'.00N 021°36'.00E	210				
			Härnösand		62°42'.00N 018°07'.00E	210				
		Monitor	Tingstäde		57°41'.00N 018°35'.00E	250	Operational	SD	24 hrs	JRCC Sweden
			Gislövshammar		55°28'.00N 014°18'.00E	210				
			Grimeton		57°06'.00N 012°23'.00E	150				
	United Kingdom		Collafirth	002320001	60°32'.0N 001°23'.5W	150	Operational	SD	24 hrs	
			Lerwick	002320001	60°08'.9N 001°08'.3W	150	Operational	SD	24 hrs	
			St Margaret's Hope	002320001	58°79'.2N 002°57'.6W	150	Operational	SD	24 hrs	
			Gregness	002320004	57°07'.6N 002°03'.2W	150	Operational	SD	24 hrs	

NAV/MET Area	Country	MF DSC Coast Stations								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on 2187.5 kHz	
I (cont.)	United Kingdom (cont.)		Cullercoats	002320007	55°04'.4N 001°27'.8W	150	Operational	SD	24 hrs	
			Langham	002320007	52°56'.5N 000°57'.2E	150	Operational	SD	24 hrs	
			Walton on the Naze	002320009	51°51'.3N 001°16'.8E	150	Operational	SD	24 hrs	
			Scilly Isles	002320014	49°55'.8N 006°18'.2W	150	Operational	SD	24 hrs	
			Tiree	002320024	56°30'.2N 006°57'.9W	150	Operational	SD	24 hrs	
			Butt of Lewis	002320024	58°27'.7N 006°13'.9W	150	Operational	SD	24 hrs	
			Ness	002320024	58°12'.8N 007°00'.4W	150	Operational	SD	24 hrs	
			Balleulin	002320024	56°37'.9N 006°07'.9W	150	Operational	SD	24 hrs	
			St Annes Head	002320017	51°41'.0N 005°10'.6W	150	Operational	SD	24 hrs	
			Treen	002320014	50°08'.5N 005°02'.2W	150	Operational	SD	24 hrs	
			Humber CGOC	002320007	54°07'.1N 000°05'.2W	150	Operational	SD	24 hrs	
			Amble	002320007	55°31'.0N 001°37'.2W	150	Operational	SD	24 hrs	
	Associate Member of IMO: Faroes	Main	Torshavnradio	002311000	62°00'.87N 006°47'.45W	225	Operational	SD	24 hrs	MRCC Torshavn
II	Benin	Main	Cotonou Radio	006100001	06°28'.00N 002°20'.00E	150	Operational	N.I.	24 hrs	PTT Cotonou
	Cabo Verde	Main	San Vicente Radio (D4A) (Riberia de Vinha – S. Vic. Island)	006170000	16°51'.1 N 025°00'.3 W	200	Operational	PS	24 hrs	MRCC CPB
	Côte d'Ivoire	Main	Abidjan Radio	006191000	05°19'.34N 004°01'.02 W	500	Operational	PS	24 hrs	MRCC Abidjan
		Monitor	Kouakro		05°15'.46N 003°29'.26 W					
			Grand Lahou		05°15'.46N 005°00'.39 W					
			Sassandra		04°57'.07N 006°05'.30 W					
			San Pedro		04°44'.20N 006°37'.30 W					
			Tabou		04°24'.42N 007°21'.44 W					
			Marcory		05°21'.42N 003°57'.48 W					
	France	Main	Ouessant (TX)	002275300	48°28'.00N 005°03'.00W	140	Operational	SD	24 hrs	MRCC Corsen
			Corsen (RX)		48°24'.00N 004°47'.00W	140				
	Senegal	Main	MRCC Dakar	006630005	14°39'.00N 017°28'.00W	200	Operational	PS	24 hrs	
	Spain	Main	Bilbao CCR	002241021	-	-	Operational	SD	24 hrs	MRCC Bilbao
		Monitor	Machichaco		43°27'.02N 002°45'.12W	150				
		Main	La Coruña CCR	002241022	43°22'.07N 008°23'.10W		Operational	SD	24 hrs	MRSC Bilbao
		Monitor	Machichaco Radio			150				MRCC Bilbao
			Jaizquibel		43°20'.41N 001°51'.21W					
			Rostrio		43°28'.43N 003°51'.02W					
			Cabo Quejo		43°30'.13N 003°32'.59W					
		Main	La Coruña CCR	002241022	43°22'.07N 008°23'.10W		Operational	SD	24 hrs	MRSC Coruna

NAV/MET Area	Country	MF DSC Coast Stations								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on 2187.5 kHz	
II (cont.)	Spain (cont.)	Monitor	Coruña radio			150				
			Boal (Tx)		43°27'.23N 006°49'.14W					
			Ares (Tx)		43°27'.23N 006°49'.14W					
			Cariño-Ortigueira (Rx)		43°43'.04N 007°53'.38W					
			Finisterre Radio							MRSC Finisterre
			Muxia (Tx)		43°04'.38N 009°13'.31W					
			Pasoriza (Tx)		42°20'.35N 008°43'.10W					
			Finisterre (Rx)		42°53'.42N 009°16'.19W					
			Cabo Peñas		43°39'.22N 005°50'.53W	150				MRCC Gijón
		Main	Málaga CCR	002241023	-	-				MRCC Tarifa
		Monitor	Chipiona		36°40'.31N 006°24'.28W	150				
			Tarifa		36°02'.32N 005°33'.24W	150				
			Conil							
		Main	Las Palmas CCR	002241026	28°09'.26N 015°24'.51W					MRCC Las Palmas
		Monitor	Las Palmas radio			150	Operational	SD	24 hrs	MRCC Tenerife
			Fuencaliente (Tx)		28°30'.33N 017°50'.22W					
			Las Mesas (Tx)		28°28'.58N 016°16'.11W					
			Pico del Ingles (Tx)		28°31'.57N 016°15'.46W					
			Arrecife Radio							MRCC Las Palmas
			Puerta del Rosario (Tx)		28°32'.37N 013°52'.41W					
			Haria		29°08'.27N 013°31'.02W					
			Orzola		29°13'.00N 013°28'.42W					
			Los Hoyos		28°02'.55N 015°26'.59W					
		Monitor	Arrecife		29°08'.00N 013°30'.52W	150				
			Tenerife		28°25'.30N 016°19'.41W	150				MRCC Tenerife
III	Algeria	Main	Alger	006052110	36°44'.00N 003°10'.00E	200	Operational		24 hrs	CNOSS Alger
		Main	Oran	006054117	35°42'.00N 000°38'.00E	200				CROSS Oran
		Main	Annaba	006053814	36°54'.00N 007°45'.00E	200				CROSS Jijel
	Azerbaijan	Main	Baku	004231000	40°21'.35N 049°50'.45E	200	Operational	PS	24 hrs	Azerbaijan LRIT NC
		Monitor	Chilov		41°20'.05N 050°37'.22E	200	Operational			
	Bulgaria	Main	Varna Radio	002070810	43°04'.01N 027°47'.19E	200	Operational	PS	24 hrs	MRCC Varna
	Croatia	Main	MRCC Rijeka	002387010	45°19'.00N 014°27'.00E	160	Operational	SD	24 hrs	MRCC Rijeka
	Cyprus	Main	Cyprus Radio	002091000	34°44'.28N 032°39'.52E	300	Operational	PS	24 hrs	JRCC Larnaca
	Egypt	Main	Alexandria Radio	006221111	31°12'.00N 029°54'.00E	200	Operational	PS	24 hrs	RCC Cairo
			Port Said Radio	006221113	31°15'.00N 032°19'.00E	200				
	France	Main	Porquerolles (TX)	002275400	42°59'.07N 006°12'.40E	110	Operational	SD	24 hrs	MRCC La Garde
			La Garde (RX)		43°06'.32N 005°59'.35E	110				
	Georgia	Main	MRCC Georgia	002130100	41°38'.73N 041°39'.05E	150	Operational	SD	24 hrs	MRCC Georgia

NAV/MET Area	Country	MF DSC Coast Stations								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on 2187.5 kHz	
III (cont.)	Greece	Main	Olympia Radio	002371000	38°01'.00N 023°50'.00E		Operational	PS	24 hrs	Piraeus JRCC 37°58' N 023°40' E
		Monitor	Iraklion Radio		35°20'.00N 025°07'.00E	200				
			Kerkyra Radio		39°37'.00N 019°55'.00E	200				
			Limnos Radio		39°52'.00N 025°04'.00E	200				
			Rodos Radio		36°26'.00N 028°15'.00E	200				
		Main	Piraeus RCC ¹	237673000 ² & 002392000	37°58'.00N 023°40'.00E	100		SD		
			Aspropirgos Radio ³	002391000	38°03'.00N 023°35'.00E	130			Watch hours ³	
	Iran, (Islamic Republic of)	Main	Anzali Radio	004225500	37°28'.00N 049°27'.00E	250	Operational	PS	24 hrs	
		Main	Amir Abad Radio	004225601	36°51'.00N 048°17'.00E	250				
	Israel		Haifa	004280001	32°54'.5 N 035°07'.6 E	150	Operational	SD	24 hrs	RCC Haifa
	Italy	Main	Roma	002470001	-	-	Operational	PS	24 hrs	
		Monitor	Trieste (Monte Radio)		45°40'.00N 013°46'.00E	200				MRSC Trieste
			Ancona (Forte Millo)		43°36'.00N 013°28'.00E	200				MRSC Ancona
			Cagliari (Margine Rosso)		39°13'.00N 009°14'.00E	200				MRSC Cagliari
			Roma (Torvajonica)		41°37'.00N 012°29'.00E	200				MRCC Roma
			Genova (Castellaccio)		44°25'.00N 008°56'.00E	200				MRSC Genova
		Main	Palermo	002470002	-	-	Operational	PS	24 hrs	
		Monitor	Palermo (Punta Raisi)		38°11'.00N 013°06'.00E	200				MRSC Palermo
			Mazara del'Vallo		37°39'.00N 012°36'.00E	200				
			Augusta		37°14'.00N 015°14'.00E	200				MRSC Catania
			Bari (Monteparano)		40°26'.00N 017°25'.00E	200				MRSC Bari
	Kazakhstan		Aktau		43°36'.14N 51°13'.25E	100	Operational	SD	24 hrs	MRCC Astrakhan
	Lebanon	Main	Beirut Radio	004501000	33°50'.00N 035°31'.00E	150	Operational	SD/PS	24 hrs	Lebanese Army
	Malta	Main	Malta Radio	002150100	35°51'.30N 014°29'.30E	250	Operational	SD	24 hrs	RCC Malta
	Montenegro	Main	Bar Radio	002620001	42°03'.15N 019°09'.20E	150	Operational	SD	24 hrs	MRCC - Bar
	Romania	Main	Constanta Radio	002640570	44°06'.00N 028°38'.00E	400	Operational	PS	24 hrs	Constanta Harbour's Master
	Russian Federation	Main	Novorossiysk	002734411	44°41'.00N 037°47'.00E	173	Operational	SD	24 hrs	MRCC Novorossiysk
		Monitor	Rx/Tx Doob		44°36'.00N 037°58'.00E					
		Main	Taganrog	002734487	47°12'.00N 038°57'.00E	86	Operational	SD	24 hrs	MRSC Taman'
		Monitor	Rx Beglica		47°08'.00N 038°30'.00E					

¹ DSC MF Station, operated by Hellenic Coast Guard, keeping 24 hours watch on Distress frequency for additional safety only.

² Ship Station MMSI.

³ Aspropirgos Radio operates 0500-1200 UTC during working days and remains in hot standby condition in case is needed.

NAV/MET Area	Country	MF DSC Coast Stations								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on 2187.5 kHz	
			Tx Veselo-Voznesenka		47°08'.00N 038°18'.00E					
III (cont.)	Russian Federation (cont.)	Main	Temryuk	002734446	45°19'.00N 037°13'.00E	70	Operational	SD	24 hrs	MRSC Taman'
		Main	Astrakhan	002734419	46°18'.00N 047°58'.00E	120	Operational	SD	24 hrs	MRCC Astrakhan
		Monitor	Rx Iskusstvennyi		45°23'.00N 047°47'.00E					
			Tx Ninovka		45°51'.00N 047°39'.00E					
		Main	Makhachkala	002734423	42°59'.00N 047°30'.00E	150	Operational	SD	24 hrs	MRCC Astrakhan
		Monitor	Rx Sulak		43°15'.00N 047°32'.00E					
			TX Makhachkala		43°00'.00N 047°28'.00E					
	Spain	Main	Valencia CCR	002241024	39°25'.48N 00°28'.35E	-	Operational	SD	24 hrs	MRCC Valencia
		Monitor	Bagur		-	-				MRCC Barcelona
			Palma		39°21'.12N 002°58'.37E	150				MRCC Palma
			Cabo La Nao		38°43'.24N 000°09'.40W	150				MRCC Valencia
		Main	Las Palmas CCR	002241026	28°09'.26N 015°24'.51W		Operational	SD	24 hrs	MRCC Tarifa
		Monitor	Tarifa Radio							
			Huelva (Tx)		37°12'.30N 07°01'.06W					
			Vejer (Tx)		36°15'.58N 06°00'.48W					
			Conil		36°17'.48N 06°08'.18W					
		Main	Valencia CCR	002241024	39°25'.48N 00°28'.35W					
		Monitor	Cabo de Gata Radio			150				MRCC Almería
			Sabinar (tx)		36°41'.17N 002°42'.05W					
			Roquetas (Tx)		36°43'.52N 002°38'.25W					
			La Guapa (Rx)		36°44'.36N 003°18'.32W					
			Cabo de la Nao Radio							MRCC Valencia
			Aguilas (Conil Rx)		37°29'.25N 001°33'.48W					
			La Asomada (Tx)		37°37'.48N 000°57'.48W					
			San Jose-Ibiza (Rx)		38°55'.01N 001°16'.43E					
			Palma Radio							
			Maratxi (Rx)		39°38'.05N 002°40'.12E	150				MRXX Palma
			Alfabia (Tx)		39°44'.15N 002°43'.05E					
			Fornells (Rx)		41°57'.55N 003°13'.03E					
	Syrian Arab Republic	Main	Lattakia Radio	-	36°32'.05N 035°46'.00E	400	Operational	PS	24 hrs	- - -
	Turkey	Main	Antalya	002713000	36°09'.10N 032°26'.43E	250	Operational	PS/SD	24 hrs	MSRCC Ankara
			Istanbul	002711000	40°59'.00N 025°49'.00E	250				
			Izmir	002715000	38°16'.53N 026°16'.03E	250				
			Samsun	002712000	41°23'.11N 036°11'.22E	250				
	Ukraine	Main	Odessa	002723660	46°22'.65N 030°44'.87E	200	Operational	SD	24 hrs	MRCC Odessa

NAV/MET Area	Country	MF DSC Coast Stations								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on 2187.5 kHz	
IV	Bermuda (United Kingdom)	Main	Bermuda Harbour Radio	003100001	32°23'.00N 064°41'.00W	200	Operational	SD	24 hrs	RCC Bermuda
	Colombia	Main	Santa Marta	007300401	11°15'.00N 74°13'.83W	141	Operational	SD	24 hrs	RCC Caribe
IV (cont.)	Curaçao (The Netherlands)	Main	Ronde Klip TX	003061000	12°10'.00N 068°52'.00W	400	Operational	PS	24 hrs	JRCC Curaçao
		Monitor	Sint Joris RX		12°08'.00N 068°50'.00W					
	Greenland (Denmark)	Main	Aasiaat	003313000	-	-	Operational	SD	24 hrs	JRCC Greenland
			Sisimiut		66°55'.26N 053°39'.99W	270				
			Nuuk		64°04'.13N 052°00'.42W	250				
			Qaqortoq		60°41'.00N 046°36'.00W	220				
			Paamiut		62°00'.00N 049°43'.00W	230				
			Ikerasassuaq		60°03'.42N 043°09'.55W	220				
			Tasiilaq (E Coast)		65°36'.00N 037°38'.00W	280				
	Mexico	Main	Tampico	003450110	22°12'.55N 097°51'.45W	150	Operational	PS	24 hrs	Zona Naval 1
V			NONE							
VI	Argentina	Main	Buenos Aires PNA Radio	007010001	34°36'.17S 058°22'.03W	150	Operational	SD	24 hrs	MRSC Rio de la Plata
	Uruguay	Main	Montevideo Radio	007703870	34°52'.00S 056°19'.00W	100	Operational	SD	24 hrs	MRCC Uruguay
VII	Mozambique	Main	Maputo Radio		N.I.	200	Operational	N.I.	N.I.	
VIII	India	Main	Mumbai	004192203	18°55'.00N 072°50'.00E	250	Operational	SD	24 hrs	MRCC Mumbai
		Main	Chennai	004194401	13°06'.00N 080°18'.00E	250		SD	24 hrs	MRCCChennai
		Main	Port Blair	004194409	11°41'.00N 092°46'.00E	250		SD	24 hrs	MRCC Port Blair
		Main	Porbandar	004192202	21°38'.00N 069°37'.00E	200		SD	24 hrs	MRCC Mumbai
		Main	Haldia	004194404	22°02'.00N 088°06'.00E	200		SD	24 hrs	MRCC Chennai
		Main	Mandapam	004194406	09°17'.00N 079°05'.00E	200		SD	24 hrs	MRCC Chennai
		Main	Daman	004192201	20°25'.00N 072°52'.00E	200		SD	24 hrs	MRCC Mumbai
	Mauritius		Cassis	006452700	20°09'.00S 057°28'.00E	150	Operational	SD	24 hrs	3BM
			Belle Mare	006452700	20°11'.00S 057°46'.00E	150	Operational	SD	24 hrs	3BM
	Myanmar	CRS	Yangon Radio	005060100	16°42'.00N 096°17'.00E	200	Operational	PS	24 hrs	-
IX	Egypt	Main	Kosseir Radio	006221112	26°06'.00N 034°17'.00E	200	Operational	PS	24 hrs	RCC Cairo
		Main	Abbas Radio (Persian Gulf)	004225300	27°06'.00N 056°03'.00E	250	Operational	PS	24 hrs	
		Main	Khomeini Radio (Persian Gulf)	004225100	30°25'.00N 049°03'.00E	250				
	Iraq	Main	Um Qasr	004250001	30.01.541N 47.56.473E	100	Operational	SD	24 hrs	
	Pakistan	N.I.	N.I.	N.I.	24°50'.40N 066°58'.30E	50	Operational	N.I.	24 hrs	
	Saudi Arabia	Main	Jeddah Radio	004030000	21°14'.00N 039°09'.00E	500	Operational	SD	24 hrs	RCC Riyadh
X			NONE							

NAV/MET Area	Country	MF DSC Coast Stations								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on 2187.5 kHz	
XI	China	Main	Basuo Radio	004123600	19°06'.00N 108°37'.00E	100	Operational	SD	24 hrs	Basuo HAS
		Main	Beihai Radio	004123400	21°29'.00N 109°04'.00E	100				Beihai HSA
		Main	Dalian Radio	004121300	38°50'.00N 121°31'.00E	100				Liaoning MRCC
		Main	Fuzhou Radio	004122600	26°01'.00N 119°18'.00E	100				Fujian MRCC
XI (cont.)	China (cont.)	Main	Guangzhou Radio	004123100	23°08'.00N 113°29'.00E	100				Guangdong MRCC
		Main	Lianyungang Radio	004122300	34°42'.00N 119°18'.00E	100				Lianyungang MRCC
		Main	Ningbo Radio	004122400	30°01'.00N 121°30'.00E	100				Ningbo HAS
		Main	Qingdao Radio	004122200	36°10'.00N 120°28'.00E	100				Qingdao MRSC
		Main	Sanya Radio	004123700	18°14'.00N 109°30'.00E	100				Sanya HSA
		Main	Shantou Radio	004123200	23°21'.00N 116°40'.00E	100				Shantou MRSC
		Main	Tianjin Radio	004121100	39°00'.00N 117°25'.00E	100				Tianjin MRCC
		Main	Xiamen Radio	004122700	24°35'.00N 118°06'.00E	100				Xiamen MRSC
		Main	Wenzhou Radio	004122500	28°01'.00N 120°38'.00E	100				Wenzhou HAS
		Main	Yantai Radio	004121400	37°32'.00N 121°22'.00E	100				Yantai MRSC
		Main	Zhanjiang Radio	004123300	21°09'.00N 110°21'.00E	100				Zhanjiang RSC
		Main	Shanghai Radio	004122100	31°06'.00N 121°32'.00E	100				Shanghai MRCC
	Indonesia	Main	Agats	005251532	05°32'.10S 138°07'.40E	100	Operational			MRSC Timika
		Main	Air Bangis	005251558	00°12'.20N 099°22'.20E	100	Operational			MRSC Padang
		Main	Ambon	005250006	03°41'.57S 128°10'.40E	100	Operational	PS	24 hrs	MRSC Ambon
		Main	Balikpapan	005250009	01°15'.09S 116°08'.32E	100	Operational			MRSC Balikpapan
		Main	Banjarmasin	005251520	03°19'.40S 114°35'.35E	100	Operational			MRSC Banjarmasin
		Main	Batu Ampar	005250012	01°09'.27N 104°00'.52E	100	Operational			MRSC Tanjung Pinang
		Main	Baubau	005251526	05°29'.14S 122°34'.31E	100	Operational			MRSC Kendari
		Main	Belawan	005250003	03°43'.17N 098°40'.08E	100	Operational			MRSC Medan
		Main	Bengkalis	005250034	01°28'.39N 102°06'.34E	100	Operational			MRSC Pekanbaru
		Main	Bengkulu	005251512	03°53'.59S 102°18'.32E	100	Operational			MRSC Bengkulu
		Main	Benoa	005250014	08°44'.40S 115°12'.32E	100	Operational			MRSC Denpasar
		Main	Biak	005250031	01°11'.12S 136°05'.00E	100	Operational			MRSC Biak
		Main	Bima	005251516	08°26'.55S 118°42'.52E	100	Operational			MRSC Mataram
		Main	Bintuni	005250098	02°07'.11S 133°30'.04E	100	Operational			MRSC Manokwari
		Main	Bitung	005250005	01°27'.03N 125°11'.03E	100	Operational			MRSC Manado
		Main	Cigading	005250033	05°56'.05S 106°00'.23E	100	Operational			MRSC Jakarta
		Main	Cilacap	005250030	07°45'.17S 109°02'.23E	100	Operational			MRSC Semarang
		Main	Cirebon	005250032	06°43'.00S 108°34'.20E	100	Operational			MRSC Bandung
		Main	Dabo Singkep	005251559	00°30'.10S 104°34'.00E	100	Operational			MRSC Tanjung Pinang
		Main	Dumai	005250004	01°41'.10N 101°27'.20E	100	Operational			MRSC Pekanbaru

NAV/MET Area	Country	MF DSC Coast Stations								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on 2187.5 kHz	
XI (cont.)	Indonesia (cont.)	Main	Ende	005251517	08°50'.48S 121°40'.25E	100	Operational			MRSC Kupang
		Main	Fak-Fak	005250026	02°56'.02S 132°17'.56E	100	Operational			MRSC Sorong
		Main	Gilimanuk	005251555	08°10'.41S 114°26'.05E	100	Operational			MRSC Denpasar
		Main	GN Sitoli	005251556	02°16'.53N 097°37'.16E	100	Operational			MRSC Medan
		Main	Jakarta	005250000	06°07'.28S 106°51'.16E	100	Operational			MRSC Jakarta
		Main	Jayapura	005250007	02°31'.10S 140°43'.22E	100	Operational			MRSC Jayapura
		Main	Kendari	005250019	03°58'.00S 122°34'.20E	100	Operational			MRSC Kendari
		Main	Ketapang	005251503	01°48'.44S 109°57'.24E	100	Operational			MRSC Pontianak
		Main	Kuala Langsa	005251562	04°31'.38N 098°01'.05E	100	Operational			MRSC Banda Aceh
		Main	Kupang	005250010	10°12'.49S 123°37'.05E	100	Operational			MRSC Kupang
		Main	Lembar	005250022	08°43'.41S 116°04'.23E	100	Operational			MRSC Mataram
		Main	Lhok Seumawe	005251503	05°14'.26N 097°02'.37E	100	Operational			MRSC Banda Aceh
		Main	Makassar	005250002	05°06'.34S 119°26'.22E	100	Operational			MRSC Makassar
		Main	Manokwari	005250023	00°51'.56S 134°04'.35E	100	Operational			MRSC Manokwari
		Main	Merauke	005250021	08°28'.47S 140°23'.38E	100	Operational			MRSC Merauke
		Main	Namlea	005250096	02°16'.37N 128°11'.53E	100	Operational			MRSC Ambon
		Main	Natuna	005251505	03°40'.01N 108°07'.44E	100	Operational			MRSC Tanjung Pinang
		Main	Palembang	005251507	02°58'.08S 104°46'.44E	100	Operational			MRSC Palembang
		Main	Pangkal Balam	005251508	02°06'.10S 106°07'.49E	100	Operational			MRSC Tanjung Pinang
		Main	Pangkalan Susu	005251563	04°07'.00N 098°10'.30E	100	Operational			MRSC Medan
XI (cont.)	Indonesia (cont.)	Main	Panjang	005250013	05°28'.23S 105°19'.03E	100	Operational			MRSC Lampung
		Main	Pantoloan	005250018	00°39'.54S 119°44'.45E	100	Operational			MRSC Palu
		Main	Pontianak	005250016	00°01'.26S 109°19'.06E	100	Operational			MRSC Pontianak
		Main	Poso	005251527	01°22'.51S 120°45'.19E	100	Operational			MRSC Palu
		Main	Rengat	005251560	00°28'.29S 102°41'.10E	100	Operational			MRSC Pekanbaru
		Main	Sabang	005251501	05°52'.50N 095°19'.58E	100	Operational			MRSC Banda Aceh
		Main	Samarinda	005251524	00°30'.30S 117°09'.12E	100	Operational			MRSC Balikpapan
		Main	Sampit	005251521	02°32'.20S 112°56'.47E	100	Operational			MRSC Banjarmasin
		Main	Saumlaki	005251531	07°58'.15S 131°18'.19E	100	Operational			MRSC Ambon
		Main	Sei Kolak Kijang	005250029	00°51'.04N 104°36'.31E	100	Operational			MRSC Tanjung Pinang
		Main	Selat Panjang	005251561	01°01'.15N 102°43'.10E	100	Operational			MRSC Pekanbaru
		Main	Semarang	005250008	06°58'.35S 110°20'.37E	100	Operational			MRSC Semarang
		Main	Serui	005251567	01°53'.12S 136°14'.27E	100	Operational			MRSC Biak
		Main	Sibolga	005250028	01°44'.25N 098°46'.15E	100	Operational			MRSC Medan
		Main	Sintete	005251565	01°11'.42N 109°03'.38E	100	Operational			MRSC Pontianak

NAV/MET Area	Country	MF DSC Coast Stations								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on 2187.5 kHz	
XI (cont.)	Indonesia (cont.)	Main	Sipora	005251047	01°30'.50S 100°02'.20E	100	Operational			MRSC Padang
		Main	Sorong	005250011	00°53'.03S 131°16'.29E	100	Operational			MRSC Sorong
		Main	Surabaya	005250001	07°13'.05S 112°44'.08E	100	Operational			MRSC Surabaya
		Main	Tapak Tuan	005251502	03°16'.19N 097°09'.48E	100	Operational			MRSC Banda Aceh
		Main	Tarakan	005250017	03°17'.28N 117°35'.25E	100	Operational			MRSC Balikpapan
		Main	Teluk Bayur	005251075	01°00'.10S 100°21'.55E	100	Operational			MRSC Padang
	Japan	Main	Teluk Dalam	005251557	00°33'.52N 097°49'.05E	100	Operational			MRSC Padang
		Main	Ternate	005251566	00°40'.00N 127°20'.00E	100	Operational			MRSC Ternate
		Main	Tg Balai Asahan	005251552	02°58'.00N 099°48'.24E	100	Operational			MRSC Medan
		Main	Tg Pandan	005251553	02°44'.38S 107°37'.47E	100	Operational			MRSC Pangkal Pinang
		Main	Toli-Toli	005251528	01°03'.08N 120°48'.03E	100	Operational			MRSC Palu
		Main	Tual	005251530	05°37'.46S 132°44'.46E	100	Operational			MRSC Ambon
		Main	Waingapu	005251564	01°02'.20S 120°44'.00E	100	Operational			MRSC Kupang
		Main	Hokkaido Coast Guard Radio	004310101	-	-	Operational	SD	24 hrs	Otaru MRCC
		Monitor	Shakotan		43°20'.00N 140°32'.00E	150				
			Hakodateyama		41°45'.00N 140°43'.00E	150				
			Tokotan		43°00'.00N 144°53'.00E	150				
			Souyamisaki		45°31'.00N 141°56'.00E	150				
		Main	Shiogama Coast Guard Radio	004310201	-	-	Operational	SD	24 hrs	Shiogama MRCC
		Monitor	Komagamine		38°18'.00N 141°32'.00E	150				
			Same		40°29'.00N 141°37'.00E	150				
			Kamaishi		39°16'.00N 141°54'.00E	150				
			Nyudozaki		40°00'.00N 139°42'.00E	150				
		Main	Yokohama Coast Guard Radio	004310301	-	-	Operational	SD	24 hrs	Yokohama MRCC
		Monitor	Chikura		34°56'.00N 139°56'.00E	150				
			Choshi		35°44'.00N 140°52'.00E	150				
			Shimoda		34°40'.00N 138°57'.00E	150				
		Main	Nagoya Coast Guard Radio	004310401	-	-	Operational	SD	24 hrs	Nagoya MRCC
		Monitor	Asamagatake		34°27'.00N 136°49'.00E	150				
		Main	Kobe Coast Guard Radio	004310501	-	-	Operational	SD	24 hrs	Kobe MRCC
		Monitor	Shionomisaki		33°26'.00N 135°47'.00E	150				
			Tosayama		33°37'.00N 133°31'.00E	150				
			Senzan		34°22'.00N 134°50'.00E	60				
		Main	Hiroshima Coast Guard Radio	004310601	-	-	Operational	SD	24 hrs	Hiroshima MRCC

NAV/MET Area	Country	MF DSC Coast Stations								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on 2187.5 kHz	
		Monitor	Noro		34°15'.00N 132°40'.00E	60				
		Main	Moji Coast Guard Radio	004310701	-	-	Operational	SD	24 hrs	Kitakyushu MRCC
		Monitor	Mokkoku		34°08'.00N 129°12'.00E	150				
		Main	Maizuru Coast Guard Radio	004310801	-	-	Operational	SD	24 hrs	Maizuru MRCC
		Monitor	Nawa		35°31'.00N 133°32'.00E	150				
		Main	Niigata Coast Guard Radio	004310901	-	-	Operational	SD	24 hrs	Niigata MRCC
		Monitor	Nekogatake		37°28'.00N 137°08'.00E	150				
XI (cont.)	Japan (cont.)	Main	Kagoshima Coast Guard Radio	004311001	-	-	Operational	SD	24 hrs	Kagoshima MRCC
		Monitor	Yoko-o		31°19'.00N 130°49'.00E	150				
			Aburatsu		31°35'.00N 131°25'.00E	150				
			Naze		28°23'.00N 129°30'.00E	100				
		Main	Okinawa Coast Guard Radio	004311101	-	-	Operational	SD	24 hrs	Naha MRCC
		Monitor	Tamagusuku		26°09'.00N 127°46'.00E	150				
			Miyara		24°22'.00N 124°12'.00E	150				
	Malaysia	Monitor	Kuantan	005330008	04°06'.00N 103°23'.00E	200	Operational	PS	24 hrs	MRCC Port Klang
			Kuching	005330011	01°49'.00N 109°46'.00E	200				
			Kota Kinabalu	005330013	05°57'.00N 116°02'.00E	200				
			Permatang Pauh	005330002	05°22'.00N 100°18'.00E	200				
	Philippines	Main	Manila	005480020	14°30'.00N 121°04'.00E	300	Operationnal	PS	24 hrs	Manila
	Republic of Korea	Main	Incheon Coast Guard Station	004401001	37°27'.00N 126°36'.00E	250	Operational	SD	24 hrs	Incheon RCC
		Main	East Regional HQs Korea Coast Guard	004401002	37°29'.00N 129°07'.00E	250				Donghae RCC
		Main	West Regional HQs Korea Coast Guard	004401003	34°47'.00N 126°32'.00E	250				Seohae RCC
		Main	South Regional HQs Korea Coast Guard	004401004	35°07'.00N 129°03'.00E	250				Namhae RCC
		Main	Jeju Coast Guard Station	004401005	33°31'.00N 126°32'.00E	250				Jeju RCC
		Main	Seoul Radio	004400002	37°32'.00N 127°05'.00E	250		PS		Incheon RCC
		Monitor	Seoul Radio	004400004	37°25'.00N 126°38'.00E	250				Namhae RCC
			Seoul Radio	004400101	35°04'.00N 129°04'.00E	250				Jeju RCC
			Seoul Radio	004400701	33°17'.00N 126°20'.00E	250				
	Thailand	Monitor	Bangkok Radio Sriracha	005671000	13°06'.209N 100°55'.614E	162	Operational	SD	24 hrs	Bangkok RCC
	Viet Nam	Main	Ho Chi Minh Ville/ XVS Radio	005743030	10°23'.32N 107°08'.57E	200	Operational	PS	24 hrs	Vungtau MRCC VMRCC
		Main	Hai Phong/XVG Radio	005741040	20°50'.55N 106°41'.19E	200				Haiphong MRCC VMRCC
		Main	Da Nang/XVT Radio	005742030	16°03'.32N 108°12'.32E	200				

NAV/MET Area	Country	MF DSC Coast Stations								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on 2187.5 kHz	
XI (cont.)		Main	Nha Trang/XVN Radio	005742080	12°16'.00N 109°10'.00E	200	Operational	PS	24 hrs	Danang MRCC VMRCC
		Main	Vung Tau/XVR Radio	005742005	10°20'.72N 107°05'.67E	200				Vungtau MRCC VMRCC
		Main	Mong Cai/XVM Radio	005741010	21°31'.38N 107°58'.19E	200				Haiphong MRCC VMRCC
		Main	Cua Ong/XVC Radio	005741020	21°01'.12N 107°24'.01E	200				Haiphong MRCC VMRCC
		Main	Hon Gai/XVQ Radio (Quang Ninh)	005741030	20°57'.15N 107°04'.22E	200				
	Viet Nam (cont.)	Main	Ben Thuy/XVB Radio	005741070	18°30'.57N 105°42'.21E	200				Danang MRCC VMRCC
		Main	Hue/XVD Radio	005742020	16°32'.38N 107°38'.24E	200				
		Main	Kien Giang/XVK Radio	005743080	09°22'.00N 104°26'.00E	200				Vungtau MRCC VMRCC
		Main	Ca Mau/XVA Radio	005743070	09°12'.01N 105°10'.48E	200				
		Main	Phu Yen/XVY Radio	005742013	12°53'.40N 109°27'.12E	200				Danang MRCC VMRCC
	Associate Member of IMO Hong Kong, China	Main	Hong Kong Marine Rescue Radio, Cape D'aguilar	004773500	22°12'.57N 114°15'.03E	200	Operational	SD	24 hrs	Hong Kong MRCC
XII	Colombia	Main	Buenaventura	007300101	03°48.513'N 77°10.777'W	27	Operational	SD	24 hrs	RCC Pacífico
		Main	Tumaco	007300201	01° 49.318'N 78°43.77'W	35	Operational	SD	24 hrs	RCC Pacífico
	Ecuador	Main	Ayora Radio	007354757	00°44'50.2S 090°18'44.8W	80	Operational	SD	24 hrs	
	Mexico	Main	Mazatlan	003450810	23°10'.03N 106°26'.43W	150	Operational	PS	24 hrs	Zona Naval
XIII	Russian Federation	Main	Vladivostok (Cape of Kamenskiy)	002734412	42°45'.00N 133°02'.00E	150 ⁴	Operational	SD	24 hrs	MRCC Vladivostok
		Main	Plastun	002734442	44°46'.20N 136°19'.20E	160	Operational	SD	24 hrs	MRCC Vladivostok
		Main	Vanino	002734421	49°05'.41N 140°16'.54E	72	Operational			MRSC Yuzhno-Sakhalinsk
		Main	Yuzno-Sakhalinsk	002733733	-	165	Operational	SD	24 hrs	
			Rx Nevelsk		46°39'.00N 141°52'.00E					
			Tx Seleznevo		46°37'.00N 141°50'.00E					
			Okhotskoye							
			Rx Cape Svobodniy	002733733	46°50'.00N 144°26'.00E	170	Operational	SD	24 hrs	MRSC Yuzhno-Sakhalinsk

⁴ Radius 150 nm from 42 45N – 133 02E starting with Korean coast to 42 33N 136 25E, then straight forward to Cape of Olarovskiy.

NAV/MET Area	Country	MF DSC Coast Stations								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on 2187.5 kHz	
			Tx mount Vygoda		46°52'.00N 143°09'.00E					
		Main	Petropavlovsk-Kamachatskiy	002733737		150	Operational	SD	24 hrs	MRSC Petropavlovsk-Kamachatskiy
			Rx Avacha		53°04'.00N 158°32'.00E					
			Tx Zhelezniy		53°15'.00N 158°25'.00E					
		Main	Magadan	002733728		62	Under Trial[N.I.]	SD	24 hrs	MRSC Petropavlovsk-Kamachatskiy, MRSC Yuzhno-Sakhalinsk
			Rx Chirikov Cape		59°29'.00N 150°31'.00E		Under Trial[N.I.]			
XIV	Fiji	Main	Suva	005201100	18°08'.00S 178°26'.00E	200	Operational	SD	24 hrs	RCC New Zealand RCC Funafuti RCC Nadi Nat. Surv. Centre-Samoa Mar. Div. Tarawa RCC Canberra
XV	Chile	Main	Iquique	007250020	20°12'.68S 070°09'.22W	180	Operational	SD	24 hrs	MRCC Iquique
		Main	Arica	007250010	18°29'.10S 070°19'.16W	180				MRSC Arica
		Main	Antofagasta	007250050	23°40'.67S 070°24'.48W	180				MRSC Antofagasta
		Main	Valparaíso	007251860	33°04'.70S 071°36'.80W	180		PS		MRCC Valparaíso
		Main	Caldera	007250080	27°03'.58S 070°49'.23W	180		SD		MRSC Caldera
		Main	Isla de Pascua	007250100	27°08'.98S 109°26'.22W	180				MRSC Isla de Pascua
		Main	Coquimbo	007250110	29°56'.30S 071°20'.10W	180				MRSC Coquimbo
		Main	San Antonio	007250140	33°34'.00S 071°37'.00W	180				MRSC San Antonio
		Main	Juan Fernández	007250130	33°37'.11S 078°49'.39W	180				MRCC Valparaíso
		Main	Talcahuano	007250170	36°41'.48S 073°06'.52W	180				MRCC Talcahuano
		Main	Puerto Montt	007250230	41°28'.83S 072°57'.67W	180				MRCC Puerto Montt
			Castro							MRSC Castro
		Main	Aysén	007250300	45°24'.29S 072°43'.05W	180				MRSC Aysén
		Main	Punta Arenas	007250380	53°09'.92S 070°54'.28W	180				MRCC Punta Arenas
		Main	Puerto Williams	007250420	54°55'.57S 067°36'.27W	180				MRSC Puerto Williams
		Main	San Pedro	007250320	47°42'.39S 074°53'.35W	180				MRCC Punta Arenas
		Main	Bahia Felix	007250370	52°57'.43S 074°04'.51W	180				
		Main	Punta Delgada	007250390	52°27'.12S 069°33'.15W	180				
XVI	Peru	Main	Paita	007600121	05°05'.00S 081°07'.00W	200	Operational	PS		MRCC Paita
		Main	Callao	007600125	12°03'.00S 077°09'.00W	200	Operational	PS	24 hrs	MRCC Callao

NAV/MET Area	Country	MF DSC Coast Stations								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on 2187.5 kHz	
		Main	Mollendo	007600129	17°01'.00S 072°01'.00W	200	Operational	PS		MRCC Mollendo
XVIII	Greenland (Denmark)	Main	Aasiaat	003313000	-	-	Operational	SD	24 hrs	JRCC Greenland
		Monitor	Upernavik		72°47'.00N 056°10'.00W	280				
			Qeqertarsuaq		69°14'.00N 053°31'.00W	280				
XX	Russian Federation	Main	Murmansk Rx	002734420	68°52'.00N 033°05'.00E	170 ⁵	Operational	PS		MRCC Murmansk
			Murmansk Tx		68°46'.00N 032°58'.00E					
		Main	Arkhangelsk	002734414	64°21'.00N 040°37'.00E	While Sea basin till lat. 66N in the mouth				MRSC Arkhangelsk

⁵ Except the area beneath latitude 69 N.

SD = Safety and Distress
PS = Public Correspondence and Safety and Distress

ANNEX 4

LIST OF HF DSC COAST STATIONS FOR SEA AREAS A3 AND A4

NAV/MET Area	Country	HF DSC Coast Stations							RCC Associated
		Name	MMSI	Position	Status of implementation	Purpose (SD*/PS)	Frequency Band*	Watch hours	
I	NONE								
II	Côte d'Ivoire	Abidjan	006191000	05°19'.34N 004°01'.02W	Operational	PS	N.I.	24 hrs	MRCC Abidjan
	Spain	Madrid CCR	002241078	40°21'.48N 003°17'.04W	Operational	SD	8, 12 MHz	24 hrs	MRCC Madrid
		La Coruna CCR	002241022	43°22'.07N 008°23'.10W	Operational				
		Arganda (Rx)		40°16'.33N 003°22'.43W					
		Trijueque (Tx)		40°46'.43N 002°59'.07W					
III	Azerbaijan	Baku	004231000	40°21'.35N 049°50'.45E	Operational	PS	4,6,8,12,16 MHz	24 hrs	Azerbaijan LRIT NC
		Chilov		41°20'.05N 050°37'.22E	Operational	PS	4,6,8,12,16 MHz	24 hrs	Azerbaijan LRIT NC
	Cyprus	Cyprus Radio	002091000	34°44'.28N 032°39'.52E	Operational	PS	4, 8 MHz	24 hrs	JRCC Larnaca
	Egypt	Alexandria Radio	006221111	31°12'.00N 029°54'.00E	Operational	PS	4,6,8,12,16 MHz	24 hrs	RCC Cairo
	Greece	Olympia Radio	002371000	37°36'.00N 021°29'.00E	Operational	PS	4,6,8,12,16 MHz	24 hrs	Piraeus Joint JRCC
		Piraeus Joint JRCC ¹	237673000 ² 237673100 ²	37°58'.00N 023°40'.00E	Operational	SD	4,6,8,12,16 MHz	24 hrs	
		Aspropirgos Radio ³	002391000	38°03'.00N 023°35'.00E	Operational	SD	4,6,8,12,16 MHz	(3)	
	Iran (Islamic Republic of)	Anzali Radio	004225500	37°28'.00N 049°27'.00E	Operational	PS	4,6,8,12,16 MHz	24 hrs	
		Amir Abad Radio	004225601	36°51'.00N 048°17'.00E	Operational	PS	4,6,8,12,16 MHz	24 hrs	
	Romania	Constanta Radio	002640570	44°06'.00N 028°38'.00E	Operational	PS	4, 8, 12 MHz	24 hrs	Constanta Harbour's Master
	Spain	Madrid		40°31'.00N 003°17'.00W	Operational	SD	8, 12 MHz	24 hrs	MRCC Madrid
		La Coruna CCR	002241022	43°22'.07N 008°23'.10W	Operational	PS			
		Madrid Radio							
		Arganda		40°16'.33N 003°22'.43W					
		Trijueque (Tx)		40°46'.43N 002°59'.07W					
	Syrian Arab Republic	Lattakia Radio	-	35°32'.05N 035°46'.00E	Operational	PS	4,6,8,12,16 MHz	24 hrs	
	Turkey	Istanbul	002711000	40°59'.00N 025°49'.00E	Operational	SD/PS	4,6,8,12,16 MHz	24 hrs	MSRCC Ankara

¹ Hellenic Coast Guard for reasons of additional safety only, keeps 24 hours watch on HF DSC Distress frequencies, using its own stations.

² Ship stations MMSI.

³ Aspropirgos Radio operates 0500-1200 UTC during working days and remains in hot standby condition in case are needed.

NAV/MET Area	Country	HF DSC Coast Stations							RCC Associated
		Name	MMSI	Position	Status of implementation	Purpose (SD*/PS)	Frequency Band*	Watch hours	
IV	Canada	Iqaluit	003160023	63°43'.00N 068°33'.00W	Operational	SD	4,6,8,12,16 MHz	24 hrs ⁴	JRCC Halifax/ JRCC Trenton
	Colombia	Turbo	007300801	8°8'.17N 6°50'.34W	Operational	SD	4,6,8,12,16 Mhz	24 hrs	RCC Caribe
		Coveñas	007300901	9°24'.37N 75°41'.34W	Operational	SD	4,6,8,12,16 Mhz	24 hrs	RCC Caribe
		Cartagena	007300501	10°18'.74N 75°34'.64W	Operational	SD	4,6,8,12,16 Mhz	24 hrs	RCC Caribe
		Barranquilla	007300301	11°2'.38N 74°49'.24W	Operational	SD	4,6,8,12,16 Mhz	24 hrs	RCC Caribe
		Santa Marta	007300401	11°15'.00N 74°13'.83W	Operational	SD	4,6,8,12,16 Mhz	24 hrs	RCC Caribe
	United States	Boston	003669991	41°42'.00N 070°30'.00W	Operational	SD	4,6,8,12,16 MHz	24 hrs	Boston
		Portsmouth	003669995	36°44'.00N 076°01'.00W	Operational	SD	4,6,8,12,16 MHz	24 hrs	Norfolk
		Miami	003669997	25°37'.00N 080°23'.00W	Operational	SD	4,6,8,12,16 MHz	24 hrs	Miami
		San Juan	003669992	18°28'.00N 066°07'.00W	Operational	SD	4,6,8,12,16 MHz	24 hrs	San Juan
		New Orleans	003669998	29°53'.00N 089°75'.00W	Operational	SD	4,6,8,12,16 MHz	24 hrs	New Orleans
V	Brazil	Manaus Radio	007100003	03°07'.00S 059°55'.00W	Operational	SD	4,6,8,12,16 MHz	24 hrs	MRCC Brazil - Salvamar Brazil – Rio de Janeiro
		Recife Radio	007100002	08°04'.00S 034°55'.00W	Operational	SD	4,6,8,12,16 MHz	24 hrs	
		Rio Radio	007100001	22°58'.00S 043°41'.00W	Operational	SD	4,6,8,12,16 MHz	24 hrs	
VI	Argentina	Buenos Aires PNA Radio	007010001	34°36'.17S 058°22'03W	Operational	SD	4,6,8,12,16 MHz	24 hrs	MRSC Rio de la Plata
	Uruguay	Montevideo	007703870	34°52'.00S 056°19' 00W	Operational	SD	4,6,8,12,16 MHz	24 hrs	MRCC Uruguay
VII	Mauritius	Mauritius Radio	006452700	20°11'.00S 057°28'.00E	Operational	PS	4,6,8,12,16 MHz	24 hrs	
	South Africa	Cape Town Radio	006010001	33°41'.00S 018°43'.00E	Operational	SD	4,6,8,12,16 MHz	24 hrs	MRCC Cape Town
VIII	India	Mumbai	004192203	18°55'.00N 072°50'.00E	Operational	SD	4,6,8,12,16 MHz	24 hrs	MRCC Mumbai
		Chennai	004194401	13°06'.00N 080°18'.00E	Operational	SD	4,6,8,12,16 MHz	24 hrs	MRCC Chennai
		Port Blair	004194409	11°41'.00N 092°46'.00E	Operational	SD	4,6,8,12,16 MHz	24 hrs	MRCC Port Blair
		Porbandar	004192202	21°38'.00N 069°37'.00E	Operational	SD	4,6,8,12,16 MHz	24 hrs	MRCC Mumbai
		Haldia	004194404	22°02'.00N 088°06'.00E	Operational	SD	4,6,8,12,16 MHz	24 hrs	MRCC Chennai
		Mandapam	004194406	09°17'.00N 079°05'.00E	Operational	SD	4,6,8,12,16 MHz	24 hrs	MRCC Chennai
		Daman	004192201	20°25'.00N 072°52'.00E	Operational	SD	4,6,8,12,16 MHz	24 hrs	MRCC Mumbai
	Myanmar	Yangon Radio	005060100	16°42'.00N 096°17'.00E	Operational	PS	4,6,8,12,16 MHz	24 hrs	MRCC
IX	Iran (Islamic Republic of)	Abbas Radio (Persian Gulf)	004225300	27°06'.00N 056°03'.00E	Operational	PS	4,6,8,12,16 MHz	24 hrs	
		Khomeini Radio (Persian Gulf)	004225100	30°25'.00N 049°03'.00E	Operational	PS	4,6,8,12,16 MHz	24 hrs	
	Oman	Muscat	N.I.	23°36'.42N 058°30'.14E	Operational	PS	4,6,8,12,16 MHz	24 hrs	Air Force RCC, Police Coast Guard and Navy
	Pakistan	N.I.	N.I.	24°50'.40N 066°58'.30E	Operational	N.I.	N.I.	24 hrs	N.I.

⁴ Open during navigation season only.

NAV/MET Area	Country	HF DSC Coast Stations							RCC Associated
		Name	MMSI	Position	Status of implementation	Purpose (SD*/PS)	Frequency Band*	Watch hours	
X	Australia	Wiluna	005030001	26°20'.45S 120°33'.4 E	Operational	SD	4,6,8,12,16 MHz	24 hrs	JRCC Australia
		Charleville	005030001	26°19'.83S 146 15'.85E	Operational	SD	4,6,8,12,16 MHz	24 hrs	
XI	Guam (United States)	Sector Guam	003669994	13°25'.00N 144°50'.00E	Operational	SD	4,6,8,12,16 MHz	24 hrs	RSC Guam/RCC Honolulu
	Indonesia	Ambon	005250006	03°41'.57S 128°10'.40E	Operational	PS	4,6,8 MHz	24 hrs	MRSC Ambon
		Balikpapan	005250009	01°15'.09S 116°08'.32E	Operational	PS	8 MHz	24 hrs	MRSC Balikpapan
		Belawan	005250003	03°43'.17N 098°40'.08E	Operational	PS	4,6,8,12,16 MHz	24 hrs	MRSC Medan
		Bitung	005250005	01°27'.03N 125°11'.03E	Operational	PS	4,6,8,12,16 MHz	24 hrs	MRSC Manado
		Dumai	005250004	01°41'.10N 101°27'.20E	Operational	PS	4,6,8,12,16 MHz	24 hrs	MRSC Pekanbaru
		Jakarta	005250000	06°07'.28S 106°51'.16E	Operational	PS	4,6,8,12,16 MHz	24 hrs	MRSC Jakarta
		Jayapura	005250007	02°31'.10S 140°43'.22E	Operational	PS	4,6,8,12,16 MHz	24 hrs	MRSC Jayapura
		Kupang	005250010	10°12'.49S 123°37'.05E	Operational	PS	8 MHz	24 hrs	MRSC Kupang
		Makassar	005250002	05°06'.34S 119°26'.22E	Operational	PS	4,6,8,12,16 MHz	24 hrs	MRSC Makassar
		Semarang	005250008	06°58'.35S 110°20'.37E	Operational	PS	8 MHz	24 hrs	MRSC Semarang
		Sorong	005250011	00°53'.03S 131°16'.29E	Operational	PS	8 MHz	24 hrs	MRSC Sorong
		Surabaya	005250001	07°13'.05S 112°44'.08E	Operational	PS	4,6,8,12,16 MHz	24 hrs	MRSC Surabaya
	Japan	Tokyo Coast Guard Radio	004310001	35°40'.00N 139°45'.00E	Operational	SD	4,6,8,12,16 MHz	24 hrs	Otaru MRCC / Shiogama MRCC / Yokohama MRCC / Nagoya MRCC / Kobe MRCC / Hiroshima MRCC / Kitakyushu MRCC / Maizuru MRCC / Niigata MRCC / Kagoshima MRCC / Naha MRCC
	Philippines	Manila		14°30'.00N 121°04'.00E	Operationnal	PS	4,6,8,12,16 MHz	24 hrs	Manila
	Republic of Korea	Incheon Coast Guard Station	004401001	37°27'.00N 126°36'.00E	Operational	SD	4,6,8,12,16 MHz	24 hrs	Incheon RCC
		East Regional HQs Korea Coast Guard	004401002	37°29'.00N 129°07'.00E	Operational	SD	4,6,8,12,16 MHz	24 hrs	Donghae RCC
		West Regional HQs Korea Coast Guard	004401003	34°47'.00N 126°32'.00E	Operational	SD	4,6,8,12,16 MHz	24 hrs	Seohae RCC
		South Regional HQs Korea Coast Guard	004401004	35°07'.00N 129°03'.00E	Operational	SD	4,6,8,12,16 MHz	24 hrs	Namhae RCC
		Jeju Coast Guard Station	004401005	33°31'.00N 126°32'.00E	Operational	SD	4,6,8,12,16 MHz	24 hrs	Jeju RCC
		Seoul Radio	004400002	37°32'.00N 127°05'.00E	Operational	PS	4,6,8,12,16 MHz	24 hrs	Incheon RCC

NAV/MET Area	Country	HF DSC Coast Stations							RCC Associated
		Name	MMSI	Position	Status of implementation	Purpose (SD*/PS)	Frequency Band*	Watch hours	
XI (cont.)	Thailand	Bangkok Radio	005671000	13°34'.00N 100°39'.00E	Operational	SD	4, 6, 8, 12 MHz	24 hrs	Bangkok RCC
	Viet Nam	Ho Chi Minh-Ville/ XVS Radio	005743030	10°23'.32N-107°08'.57E	Operational	PS	8 MHz	24 hrs	Vungtau MRCC VMRCC
		Hai Phong/XVG Radio	005741050	20°52'.00N 106°42'.00E	Operational	PS	4,6,8,12,16 MHz	24 hrs	Haiphong MRCC VMRCC
		Da Nang/XVT Radio	005742030	16°04'.00N 108°13'.00E	Operational	PS	6, 8 MHz	24 hrs	Danang MRCC VMRCC
	Associate Member of IMO Hong Kong, China	Hong Kong Marine Rescue Radio, Cape D'Aguilar	004773500	22°12'.57N 114°15'.03E	Operational	SD	4,6,8,12,16 MHz	24 hrs	Hong Kong MRCC
XII	Colombia	Buenaventura	007300101	03°48.513'N 77°10.777'W	Operational	SD	4,6,8,12,16 MHz	24 hrs	RCC Pacífico
		Tumaco	007300201	01° 49.318' N 78° 43.77'	Operational	SD	4,6,8,12,16 MHz	24 hrs	RCC Pacífico
	Ecuador	Ayora Radio	007354757	00°44'50.2S 090°18'44.8W	Operational	SD	4,6,8,12,16 MHz	24 hrs	
	United States	San Francisco	003669990	37°56'.00N 122°44'.00E	Operational	SD	4,6,8,12,16 MHz	24 hrs	Alameda
		Kodiak	003669899	57°46'.00N 152°34'.00E	Operational	SD	4,6,8,12,16 MHz	24 hrs	Juneau
		Honolulu	003669993	21°26'.00N 158°09'.00E	Operational	SD	4,6,8,12,16 MHz	24 hrs	Honolulu
XIII	NONE								
XIV	Fiji	RCC Suva	005201100	18°08'.00S 178°26'.00E	Operational	SD	4,6,8,12,16 MHz	24 hrs	RCC Funafuti RCC Tonga RCC Nadi Nat. Surv. Centre-Samoa Mar. Div.-Tarawa RCC Canberra
	New Zealand	Taupo Maritime Radio	005120010	38°52'.16S 176°26'.13E	Operational	SD	4,6,8,12,16 MHz	24 hrs	RCC New Zealand
XV	Chile	Antofagasta	007250050	23°40'.67S 070°24'.48W	Operational	SD	4 MHz	24 hrs	MRCC Iquique
		Isla de Pascua	007250100	27°08'.98S 109°26'.22W	Operational	SD	4 MHz	24 hrs	MRCC Valparaiso
		Valparaiso	007251860	33°04'.70S 071°36'.80W	Operational	PS	4,6,8,12,16 MHz	24 hrs	MRCC Valparaiso
		Talcahuano	007250170	36°41'.48S 073°06'.52W	Operational	SD	4 MHz	24 hrs	MRCC Talcahuano
		Puerto Montt	007250230	41°28'.83S 072°57'.67W	Operational	SD	4 MHz	24 hrs	MRCC Puerto Montt
		Magallanes	007250380	53°09'.92S 070°54'.28W	Operational	SD	4, 8 MHz	24 hrs	MRCC Punta Arenas
XVI	Peru	Paíta	007600121	05°05'.00S 081°07'.00W	Operational	PS	8 MHz	24 hrs	MRCC Paíta
		Callao	007600125	12°03'.00S 077°09'.00W	Operational	PS	8 MHz	24 hrs	MRCC Callao
		Mollendo	007600129	17°01'.00S 072°01'.00W	Operational	PS	8 MHz	24 hrs	MRCC Mollendo

NAV/MET Area	Country	HF DSC Coast Stations							RCC Associated
		Name	MMSI	Position	Status of implementation	Purpose (SD*/PS)	Frequency Band*	Watch hours	
XVII	Canada	Iqaluit	003160023	63°43'.00N 068°33'.00W	Operational (seasonal)	SD	4,6,8,12,16 MHz	24 hrs	JRCC Halifax JRCC Trenton
XVIII	Canada	Iqaluit	003160023	63°43'.00N 068°33'.00W	Operational (seasonal)	SD	4,6,8,12,16 MHz	24 hrs	JRCC Halifax JRCC Trenton

* The following frequencies are allocated for HF DSC distress and safety communication by the Radio Regulation (Article N 38)

4 MHz = 4207.5 kHz 6 MHz = 6312 kHz 8 MHz = 8414.5 kHz 12 MHz = 12577 kHz 16 MHz = 16804.5 kHz

AOR-E = Atlantic Ocean Region, East
AOR-W = Atlantic Ocean Region, West
IOR = Indian Ocean Region
POR = Pacific Ocean Region

ANNEX 5

LIST OF INMARSAT LAND EARTH STATIONS (LESSs)

NAV/MET Area	Country	Location	Ocean Area	Service provided (Status of Implementation [Data of operation])		RCC Associated
				Inmarsat-C	Fleet F 77	
I	Netherlands	Burum	AOR-W	Operational	Operational	JRCC Den Helder
			AOR-E	Operational	Operational	
			IOR	Operational	Operational	
	Norway	Eik	IOR	Operational	Operational	JRCC Stavanger
			AOR-E	Operational	Operational	
			AOR-W	Operational	Operational	
	United Kingdom	Burum	AOR-E	Operational	Operational	National Maritime Operations Centre
			AOR-W	Operational	Operational	
II	France	Aussaguel	AOR-W	Operational	Operational	MRCC Gris Nez
			AOR-E	Operational	Operational	
			IOR	Operational	Operational	
III	Greece	Thermopylae	IOR		Operational	JRCC Piraeus
			AOR-E		Operational	
		Burum	IOR	Operational		
			AOR-E	Operational		
	Italy	Fucino	AOR-E	Operational	Operational	MRCC Rome
			IOR	Operational	Operational	
	Israel		AOR-E	Operational	N.I.	RCC Haifa
			IOR	Operational	N.I.	
IV	United States	Southbury	AOR-E	Operational	Operational	USCG Norfok
			AOR-W	Operational	Operational	
V	Brazil	Burum	AOR-E	Operational		MRCC Brazil – Salvamar Brazil – Rio de Janeiro
VI				NONE		
VII				NONE		
VIII	India	Pune	IOR	Operational	Operational	MRCC Mumbai
IX				NONE		
X	Australia	Perth	IOR	Operational	Operational	JRCC Australia
			POR	Operational	Operational	

NAV/MET Area	Country	Location	Ocean Area	Service provided (Status of Implementation [Data of operation])		RCC Associated
				Inmarsat-C	Fleet F 77	
XI	China	Beijing	POR	Operational	Operational	MRCC China
			IOR	Operational	Operational	
	Japan	Yamaguchi	POR	Operational	Operational	Japan Coast Guard
			IOR	Operational	Operational	
	Republic of Korea	36°07'.19 N 127°29'.30 E (Kumsan)	POR		Operational	Korea Coast Guard HQs
			IOR		Operational	
	Singapore	Sentosa	IOR	Operational	Operational	Singapore Port Operations Control Centre
			POR	Operational	Operational	
		Bukit Timah	IOR	Operational	Operational	
	Viet Nam	Hai Phong	IOR	Operational		RCC Viet Nam
XII	United States	Santa Paula	POR	Operational	Operational	USCG Alameda
		Southbury	AOR-W	Operational	Operational	USCG Norfolk
XIII	Russian Federation	Nakhodka	POR	Operational		MRCC Vladivostok
		Nudol	AOR-E	Operational		SMRCC Moscow
			IOR	Operational		
XV	NONE					
XVI	NONE					

ANNEX 6

LIST OF RESCUE CO-ORDINATION CENTRES (RCCs) USING SHIP EARTH STATIONS (SESSs)

NAV/MET Area	Country	RCC		SES DETAIL			Status of implementation
		Name	Position	ID	Type	Ocean Region Accessed	
I	France	MRCC Gris Nez	50°52'.00N 001° 35'.00E	422799256	Inmarsat-C	AOR-E	Operational
	Finland	MRCC Turku	60°26'.00N 022°15'.00E	423002211	Inmarsat-C	AOR-E	Operational
	Germany	MRCC Bremen	53°04'.00N 008°48'.00E	492621021	Inmarsat-C	AOR-E	Operational
	Latvia	MRCC Riga	57°02'.00N 024°05'.00E	427518510	Inmarsat-C	AOR-E	Operational
	Lithuania	MRCC Klaipėda	55°43'.00N 021°06'.00E	427799011	Inmarsat-C	AOR-E	Operational
	Russian Federation	MRCC St. Petersburg	59°54'.00N 030°14'.00E	492509012	Inmarsat-C	AOR-E, IOR	Operational
		MRCC Kaliningrad	54°42'.00N 020°28'.00E	Voice: 762830387 Fax: 762830389 427302168	Inmarsat-Mini-M	AOR-E, IOR	Operational
	Sweden	JRCC Sweden	57°40'.28N 011°51'.54E	Voice: 326590010 Fax: 326590011 Telex: 326590013 Telex: 426590010	Inmarsat-C	AOR-E	Operational
	United Kingdom	National Maritime Operations Centre	Fareham	423594053	Inmarsat-C	AOR-E	Operational
				423594054	Inmarsat-C	AOR-W	Operational
		CGOC Falmouth	Falmouth	423200158	Inmarsat-C	AOR-E	Operational
				423200159	Inmarsat-C	AOR-W	Operational
II	France	MRCC Etel	47°39'.73N 003°12'.11W	4227799025	Inmarsat-C	AOR-E	Operational
III	Azerbaijan	Azerbaijan LRIT NC	40°21'.35N 049°50'.45E	442342310	Inmarsat-C	IOR	Operational
				Tel: 773231949 Fax: 783205646	FleetBroadband	I-4 EMEA	Operational
	Bulgaria	MRCC Varna	43°11'.49N 027°55'.25E	420722210	Inmarsat-C	AOR-E	Operational
	Croatia	MRCC Rijeka	45°19'.00N 014°27'.00E	423816510	Inmarsat-C	AOR-E	Operational
	Cyprus	JRCC Larnaca	34°55'.84N 033°37'.87E	421099999	Inmarsat-C	AOR-E, IOR	Operational
	Israel	RCC Haifa	32°48'.00N 035°00'.00E	580442811110	Inmarsat-C	AOR-E	Operational
	Malta	RCC Malta	35°51'.30N 014°29'.30E	421599999	Inmarsat-C	IOR	Operational
	Montenegro	MRCC Bar	42°03'.15N 019°03'.20E	426200016	Inmarsat-C	AOR-E	Operational
	Russian Federation	MRCC Astrakhan	46°20'.00N 048°00'.00E	427310985	Inmarsat-C	IOR	Operational
	Turkey	MSRCC Ankara	39°55'.99N 032°50'.51E	427122324 +583 427122324 Tel. +873 764142267 Fax: +873 764142269 Email: 427122324@c.xantic.net	Inmarsat-C telex Inmarsat Mini-m Inmarsat Mini-m Inmarsat Mini-m	AOR-E, IOR-E AOR-E, IOR-E AOR-E, IOR-E AOR-E, IOR-E	Operational
				427299010	Inmarsat-C	IOR	Operational
	Ukraine	MRCC Odessa	46°24'.77N 030°43'.52E	427299010	Inmarsat-C	IOR	Operational

NAV/MET Area	Country	RCC		SES DETAIL			Status of implementation
		Name	Position	ID	Type	Ocean Region Accessed	
IV	Bermuda (United Kingdom)	RCC Bermuda	32°23'.00N 064°41'.00W	431010110	Inmarsat-C	AOR-E	Operational
	Canada	CMCC SPOC (Cospas-Sarsat)	44°07'.00N 077°32'.00W	N.I.			
		JRCC Trenton	44°07'.00N 077°32'.00W	431699928	Inmarsat-C	AOR-W	Operational
	Curaçao (The Netherlands)	JRCC Curaçao	12°06'.00N 068°05'.40W	431699929	Inmarsat-C	AOR-E	Operational
				430600099	Inmarsat-C	AOR-W	Operational
	France (Martinique)	MRCC Fort de France	14°36'.00N 061°04'.00W	422799244	Inmarsat-C	AOR-E	Operational
	United States	MRCC Portsmouth	36°43'.00N 076°12'.00W	422799024		AOR-W	
V	Brazil	MRCC Brazil	22°53'.37S 043°10'.15W	430370680 & 430370670	Inmarsat-C	AOR-W, AOR-E	Operational
VI	Argentina	MRCC Puerto Belgrano	38°53'.00S 062°06'.00W	471009910	Inmarsat-C	AOR-E, AOR-W	Operational
	Uruguay	MRCC Uruguay	34°54'.00S 056°13'.00W	470100125	Inmarsat-C	AOR-E, AOR-W	Operational
VII	France (La Réunion)	MRCC La Réunion	20°55'.77S 055°17'.14E	497480210	Inmarsat-C	AOR-W	Operational
VIII	France (La Réunion)	MRCC La Réunion	20°55'.77S 055°17'.14E	422799193	Inmarsat-C	IOR	Operational
IX	Egypt	JRCC Cairo Authority	Cairo	422799193	Inmarsat-C	IOR	Operational
		El-Adabeya VTC	29°51'.28N 32°29'.05E	46229991	Inmarsat-C	AOR-E	Operational
		False Ras Gareb VTC	28°30'.91N 32°57'.66E	462299912	Inmarsat-C	AOR-E	Operational
		Sharm El Sheikh VTC	28°01'.08N 34°26'.20E	462299913	Inmarsat-C	AOR-E	Operational
		Safaga VTC	28°01'.08N 34°26'.20E	462200058	Inmarsat-C	AOR-E	Operational
X	France (New Caledonia)	MRCC Nouméa	26°44'.69N 33°55'.22E	462299914	Inmarsat-C	AOR-E	Operational
XI	China	Beijing	N.I.	N.I.	N.I.	N.I.	Operational
	Republic of Korea	Incheon	37°27'. N 126°36'. E	344040510-3	F	IOR, POR	Operational
		Namhae	35°07'. N 129°03'. E	765043690-2 764868945-7 765058119 764875821 344086261-3 344086272-4	F	IOR, POR	Operational

NAV/MET Area	Country	RCC		SES DETAIL			Status of implementation
		Name	Position	ID	Type	Ocean Region Accessed	
XI (cont.)	Republic of Korea (cont.)	Seohae	34°47'. N 126°32'. E	344086028 344086031 344086022-4 344086026 344086427-30	F	IOR, POR	Operational
		Jeju	33°31'. N 126°32'. E	344086272-5	F	IOR, POR	Operational
		Donghae	37°29'. N 129°07'. E	344086355-7 344086261-3 344086265 344040515-7 3440405518	F	IOR, POR	Operational
	Associate Member Hong Kong, China	Hong Kong MRCC	22°17'.37N 114°09'.17E	447735011	Inmarsat-C	POR	Operational
				447735012	Inmarsat-C	IOR	Operational
XIII	Canada	JRCC Trenton	44°07'.00N 077°32'.00W	431699928	Inmarsat-C	AOR-W	Operational
				431699929	Inmarsat-C	AOR-E	Operational
	Russian Federation	MRCC Vladivostok	43°07'.00N 131°53'.00E	Voice 761320633 Telex 492500379	Inmarsat-Mini-M Inmarsat-C	POR (582)	Operational
		MRSC Yuzhno-Sakhalinsk	46°59'.00N 142°43'.00E	427311122	Inmarsat-C	POR	Operational
XIV	French Polynesia	MRCC Papeete	17°32'.00S 149°35'.00W	422799192	Inmarsat-C	POR	Operational
	New Zealand	RCC New Zealand (via Taupo Maritime Radio)	41°11'.22S 174°56'.79 E	451200067	Inmarsat-C	POR	Operational
XV	Chile	MRCC Chile	23°40'.67S 070°24.48' W	Tel.: 56322208637/56322208638 /56322208639 Fax: 56322208662 Email: mrccchile@directemar.cl	Inmarsat-C	AOR-W	Operational
		MRCC Iquique	20°12'.68S 070° 09'.22W	Tel.: 5657401961/5657401986 Fax: 5657401996 mrcciquique@directemar.cl	-	-	Operational
		MRCC Valparaíso (Valparaíso Radio)	33°04'.70S 071°36'.80W	472599163	Inmarsat-C	AOR-W	Operational
		MRCC Talcahuano	36°41'.48S 073°06'.52W	Tel.: 56412266162/56412266186 Fax: 56412266196 mrcccalcahuano@directemar.cl	-	-	Operational
		MRCC Puerto Montt	41°28'.83S 072°57'.67W	Tel.: 5665561190/5665561153 Fax: 5665483931 mrccpuertomontt@directemar.cl	-	-	Operational

NAV/MET Area	Country	RCC		SES DETAIL			Status of implementation
		Name	Position	ID	Type	Ocean Region Accessed	
		MRCC Punta Arenas	53°09'.92S 070°54'.28W	Tel.: 5661205477/5661201161 Fax: 5661201196 mrccpuntaarenas@directemar.cl	-	-	Operational
XVI	NONE						
XVII	Canada	JRCC Trenton	44°07'.00N 077°32'.00W	431699928	Inmarsat-C	AOR-W	Operational
				431699929	Inmarsat-C	AOR-E	Operational
XVIII	Canada	JRCC Trenton	44°07'.00N 077°32'.00W	431699928	Inmarsat-C	AOR-W	Operational
				431699929	Inmarsat-C	AOR-E	Operational
XX	Russian Federation	White Sea MRSC Arkhangelsk	64°32'.00N 040°32'.00E	492509110	Inmarsat-C	AOR-E, IOR	Operational

ANNEX 7

NAVTEX SERVICE

International 518 kHz NAVTEX

NAV/MET Area	Country	NAVTEX Coast Station	Position of Antenna	Range (NM)	B1 Character	Transmission times (UTC)	Language	Status of implementation
I	Belgium	Oostende Radio	51°10'.95N 002°48'.47E	55	T	0310,0710,1110,1510,1910,2310	English	Operational
		Oostende (Thames Approaches broadcast for U.K.)	51°10'.95N 002°48'.47E	150	V	0330,0730,1130,1530,1930,2330	English	Operational
	Estonia	Tallinn	59°27'.84N 024°21'.42E	250	U	0320,0720,1120,1520,1920,2320	English	Operational
	France	Cross Corsen	48°28'.56N 005°03'.18W	300	A	0000,0400,0800,1200,1600,2000	English	Operational
	Germany	Pinneberg	53°40'.50N 009°48'.50E	250	S	0300,0700,1100,1500,1900,2300	English	Operational
	Iceland	Reykjavik Radio / Saudanes	66°11'.17N 018°57'.12W	450	R	0250,0650,1050,1450,1850,2250	English	Operational
		Reykjavik Radio / Grindavik	63°49'.99N 022°27'.04W	450	X	0350,0750,1150,1550,1950,2350	English	Operational
	Ireland	Valentia	51°56'.00N 010°21'.00W	400	W	0340,0740,1140,1540,1940,2340	English	Operational
		Malin Head	55°21'.80N 007°20'.39W	400	Q	0240,0640,1040,1440,1840,2240	English	Operational
	Netherlands	Netherlands Coastguard Radio (PBK)	52°55'.06N 004°44'.34E	250	P	0230,0630,1030,1430,1830,2230	English	Operational
	Norway	Rogaland Radio	58°38'.92N 005°36'.58E	450	L	0150,0550,0950,1350,1750,2150	English	Operational
		Ørlandet	63°39'.70N 009°32'.80E	450	N	0210,0610,1010,1410,1810,2210	English	Operational
		Jeløya	59°26'.08N 010°35'.48E	200	M	0200,0600,1000,1400,1800,2200	English	Operational
	Sweden	Bjuröklubb	64°27'.71N 021°35'.47E	300	H	0110,0510,0910,1310,1710,2110	English	Operational
		Gislövshammar	55°29'.38N 014°18'.87E	300	J	0130,0530,0930,1330,1730,2130	English	Operational
		Grimeton	57°06'.32N 012°23'.36E	300	I	0120,0520,0920,1320,1720,2120	English	Operational
	United Kingdom	Cullercoats	55°04'.49N 001°27'.79W	300	G	0100,0500,0900,1300,1700,2100	English	Operational
		Portpatrick	54°50'.64N 005°07'.47W	300	O	0220,0620,1020,1420,1820,2220	English	Operational
		Niton	50°35'.18N 001°15'.29W	300	E	0040,0440,0840,1240,1640,2040	English	Operational
		Niton (NE Coast of France and Channel Islands broadcast for France)	50°35'.18N 001°15'.29W	300	K	0140,0540,0940,1340,1740,2140	English	Operational
	Associate Member Faroes	Torshavn Radio	62°00'.87N 006°47'.45W	300	D	0030,0430,0830,1230,1630,2030	English	Operational
II	Cabo Verde	Sao Vicente Radio	16°51'.24N 025°00'.14W	250	U	0320,0720,1120,1520,1920,2320	English	Non Operational
	France	Cross Corsen	48°28'.56N 005°03'.18W	300	A	0000,0400,0800,1200,1600,2000	English	Operational

NAV/MET Area	Country	NAVTEX Coast Station	Position of Antenna	Range (NM)	B1 Character	Transmission times (UTC)	Language	Status of implementation
II (cont.)	Nigeria	Lagos	06°23'.99N 003°22'.91E	250	S	0300,0700,1100,1500,1900,2300	English	Planned
		Oron	04°48'.01N 008°15'.34E	250	H	0110,0510,0910,1310,1710,2110	English	Planned
	Portugal	CENCOMARACORES (S.Miguel)	37°48'.50N 025°33'.20W	300	F	0050,0450,0850,1250,1650,2050	English	Operational
		CENCOMAR (Penalva)	38°36'.20N 009°01'.80W	300	R	0250,0650,1050,1450,1850,2250	English	Operational
		CENCOMARMADEIRA (Porto Santo)	33°05'.70N 016°20'.40W	300	P	0230,0630,1030,1430,1830,2230	English	Operational
	Senegal	Dakar	14°46'.25N 017°20'.40W	200	C	0020,0420,0820,1220,1620,2020	English	Non Operational
	Spain	Coruña	43°22'.03N 008°27'.13W	300	D	0030,0430,0830,1230,1630,2030	English	Operational
		Tarifa	36°02'.53N 005°33'.38W	300	G	0100,0500,0900,1300,1700,2100	English	Operational
		Las Palmas	28°25'.97N 016°20'.17W	450	I	0120,0520,0920,1320,1720,2120	English	Operational
III	Algeria	Ain Taya Radio	36°48'.23N 003°15'.63E	200	B	0010,0410,0810,1210,1610,2010	English	Operational
	Azerbaijan	Baku (Chilov)	40°19'.63N 050°36'.73E	200	R	0250,0650,1050,1450,1850,2250	English	Operational
	Bulgaria	Varna Radio (Also broadcast information for Romania)	43°04'.01N 027°47'.19E	350	J	0130,0530,0930,1330,1730,2130	English	Operational
	Croatia	Split (Hvar Is)	43°10'.54N 016°25'.38E	200	Q	0240,0640,1040,1440,1840,2240	English	Operational
	Cyprus	Cyprus Radio	34°44'.28N 032°39'.52E	200	M	0200,0600,1000,1400,1800,2200	English	Operational
	Egypt	Alexandria	31°12'.00N 029°52'.00E	350	N	0210,0610,1010,1410,1810,2210	English	Operational
	France	CROSS La Garde	43°06'.26N 005°59'.49E	250	W	0340,0740,1340,1540,1940,2340	English	Operational
	Greece	Irakleio	35°19'.33N 025°44'.92E	400	H	0110,0510,0910,1310,1710,2110	English	Operational
		Kerkyra	39°36'.43N 019°53'.47E	400	K	0140,0540,0940,1340,1740,2140	English	Operational
		Limnos	39°54'.41N 025°10'.84E	400	L	0150,0550,0950,1350,1750,2150	English	Operational
	Iran (Islamic Republic of)	Fereydoonkenar Radio	36°42'.00N 052°33'.00E	250	G	0100,0500,0900,1300,1700,2100	English	Operational
	Israel	RCC Haifa	32°54'.90N 035°07'.10E	200	P	0230,0630,1030,1430,1830,2230	English	Operational
	Italy	La Maddalena	41°13'.22N 009°23'.57E	320	R	0250,0650,1050,1450,1850,2250	English	Operational
		Mondolfo	43°44'.51N 013°08'.33E	320	U	0320,0720,1120,1520,1920,2320	English	Operational
		Sellia Marina	38°52'.21N 016°43'.06E	320	V	0330,0730,1130,1530,1930,2330	English	Operational
	Libya	Surt	N.I.	320	S	0300,0700,1100,1500,1900,2300	English	Planned
	Malta	Malta Radio	35°50'.29N 014°29'.38E	400	O	0220,0620,1020,1420,1820,2220	English	Operational
				400	T	0310,0710,1110,1510,1910,2310	English	Operational ¹
	Russian Federation	Novorossiysk	44°36'.00N 037°58'.00E	300	A	0000,0400,0800,1200,1600,2000	English	Operational
		Astrakhan	45°47'.00N 047°33'.00E	250	W	0340,0740,1140,1540,1940,2340	English	Operational
	Spain	Cabo La Nao	38°43'.07N 000°10'.55E	220	X	0350,0750,1150,1550,1950,2350	English	Operational
		Tarifa	36°02'.53N 005°33'.38W	300	G	0100,0500,0900,1300,1700,2100	English	Operational

¹ Temporary arrangement using Tunisian slot T.

NAV/MET Area	Country	NAVTEX Coast Station	Position of Antenna	Range (NM)	B1 Character	Transmission times (UTC)	Language	Status of implementation
III (cont.)	Tunisia	Kelibia	36°48'.08N 011°02'.29E	270	T ²	0310,0710,1110,1510,1910,2310	English	Non Operational
	Turkey	Istanbul	41°04'.00N 028°57'.00E	400	D	0030,0430,0830,1230,1630,2030	English	Operational
		Samsun	41°23'.00N 036°11'.00E	400	E	0040,0440,0840,1240,1640,2040	English	Operational
		Antalya	36°09'.00N 032°26'.00E	400	F	0050,0450,0850,1250,1650,2050	English	Operational
		Izmir	38°16'.00N 026°16'.00E	400	I	0120,0520,0920,1320,1720,2120	English	Operational
	Ukraine	Odessa	46°22'.65N 030°44'.85E	250	C	0020,0420,0820,1220,1620,2020	English	Operational
		Berdyansk	46°38'.17N 036°45'.72E	250	G	0100,0500,0900,1300,1700,2100	English	Operational
IV	Bermuda (U.K.)	Bermuda	32°21'.07N 064°39'.46W	280	B	0010,0410,0810,1210,1610,2010	English	Operational
	Canada	Moisie	50°11'.75N 066°06'.74W	300	C	0020,0420,0820,1220,1620,2020	English	Operational
		Ferndale	44°56'.22N 081°14'.00W	300	H	0110,0510,0910,1310,1710,2110	English	Operational
		Pass Lake	48°33'.80N 088°39'.37W	300	P	0230,0630,1030,1430,1830,2230	English	Operational
		Port Caledonia	46°11'.15N 059°53'.77W	300	Q	0240,0640,1040,1440,1840,2240	English	Operational
		Chebogue	43°44'.65N 066°07'.32W	300	U	0320,0720,1120,1520,1920,2320	English	Operational
		Robin Hood Bay	47°36'.65N 052°40'.18W	300	O	0220,0620,1020,1420,1820,2220	English	Operational
		Cartwright	53°42'.52N 057°01'.35W	300	X	0350,0750,1150,1550,1950,2350	English	Operational
	Iqaluit	63°43'.82N 068°32'.70W	300	T	0310,0710,1110,1510,1910,2310	English	Operational	
	Colombia	Santa Marta	11°03'.33N 074°13'.10W	300	C	0020,0420,0820,1220,1620,2020	English	Under trial
	Curaçao (Netherlands)	Curaçao	12°10'.31N 068°51'.82W	400	H	0110,0510,0910,1310,1710,2110	English	Operational
	Greenland (Denmark)	Kook Island (Nuuk)	64°04'.00N 052°01'.00W	300	W	0340,0740,1140,1540,1940,2340	English	Operational
		Simiutag	60°41'.00N 046°35'.00W	300	M	0200,0600,1000,1400,1800,2200	English	Operational
	United States	Miami	25°37'.40N 080°23'.37W	240	A	0000,0400,0800,1200,1600,2000	English	Operational
		Boston	41°42'.82N 070°30'.27W	200	F	0050,0450,0850,1250,1650,2050	English	Operational
		New Orleans	29°53'.08N 089°56'.73W	200	G	0100,0500,0900,1300,1700,2100	English	Operational
		Portsmouth	36°43'.72N 076°00'.60W	280	N	0210,0610,1010,1410,1810,2210	English	Operational
Isabella		18°28'.00N 067°04'.32W	200	R	0250,0650,1050,1450,1850,2250	English	Operational	
Charleston		32°50'.67N 079°57'.00W	200	E	0040,0440,0840,1240,1640,2040	English	Operational	
V	NONE							
VI	Argentina	Ushuaia	54°48'.00S 068°18'.00W	280	M	0200,0600,1000,1400,1800,2200	English	Operational
		Rio Gallegos	51°37'.00S 069°12'.00W	280	N	0210,0610,1010,1410,1810,2210	English	Operational
		Comodoro Rivadavia	45°50'.50S 067°28'.40W	280	O	0220,0620,1020,1420,1820,2220	English	Operational
		Bahia Blanca	38°52'.00S 062°06'.00W	280	P	0230,0630,1030,1430,1830,2230	English	Operational
		Mar del Plata	38°03'.00S 057°32'.00W	280	Q	0240,0640,1040,1440,1840,2240	English	Operational
		Buenos Aires	35°29'.00S 057°10'.00W	280	R	0250,0650,1050,1450,1850,2250	English	Operational
	Uruguay	La Paloma	34°40'.00S 054°09'.00W	280	F	0050,0450,0850,1250,1650,2050	English	Non Operational

² Temporary allocated to Malta.

NAV/MET Area	Country	NAVTEX Coast Station	Position of Antenna	Range (NM)	B1 Character	Transmission times (UTC)	Language	Status of implementation
VII	Namibia	Walvis Bay	23°03'.00S 014°37'.00E	378	B	0010,0410,0810,1210,1610,2010	English	Non Operational
	South Africa	Cape Town Radio	33°40'.97S 018°43'.09E	300	C	0020,0420,0820,1220,1620,2020	English	Operational
		Port Elizabeth Radio	34°02'.20S 025°33'.37E	300	I	0120,0520,0920,1320,1720,2120	English	Operational
		Durban Radio	29°48'.35S 030°48'.95E	300	O	0220,0620,1020,1420,1820,2220	English	Operational
		Cape Columbine	32°49'.55S .017°50'.97E	300	U	0320,0720,1120,1520,1920,2320	English	Planned
VIII	India	Mumbai	19°05'.00N 072°50'.00E	250	G	0100,0500,0900,1300,1700,2100	English	Non Operational
		Chennai	13°08'.00N 080°10'.00E	250	P	0230,0630,1030,1430,1830,2230	English	Non Operational
		Veraval	20°54'.60N 070°23'.00E	250	H	0110,0510,0910,1310,1710,2110	English	Under trial
		Vengurla Point	15°51'.20N 073°37'.00E	250	J	0130,0530,0930,1330,1730,2130	English	Under trial
		Muttam Point	08°07'.40N 077°19'.10E	250	L	0150,0550,0950,1350,1750,2150	English	Under trial
		Porto Novo	11°30'.20N 079°46'.20E	250	O	0220,0620,1020,1420,1820,2220	English	Under trial
		Vakalpudi	17°00'.80N 082°17'.10E	250	Q	0240,0640,1040,1440,1840,2240	English	Under trial
		Balasore	21°29'.20N 086°55'.00E	250	S	0300,0700,1100,1500,1900,2300	English	Under trial
		Keating Point (Andaman and Nicobar Islands)	09°15'.40N 092°46'.50E	250	V	0330,0730,1130,1530,1930,2330	English	Under trial
	Mauritius	Mauritius	20°10'.05S 057°28'.69E	400	C	0020,0420,0820,1220,1620,2020	English	Operational
	Seychelles	Mahe	04°39'.32S 055°28'.38E	400	T	0310,0710,1110,1510,1910,2310	English	Operational
IX	Bahrain	Hamala	26°09'.53N 050°28'.35E	300	B	0010,0410,0810,1210,1610,2010	English	Operational
	Egypt	Serapeum (Ismailia)	30°28'.00N 032°22'.00E	400	X	0350,0750,1150,1550,1950,2350	English	Operational
		Kosseir	26°06'.00N 034°17'.00E	400	V	0330,0730,1130,1530,1930,2330	English	Operational
	Iran (Islamic Republic of)	Abbas Radio	27°06'.00N 056°03'.00E	300	F	0050,0450,0850,1250,1650,2050	English	Operational
		Busherhr	28°59'.00N 050°49'.00E	300	A	0000,0400,0800,1200,1600,2000	English	Operational
	Oman	Wattayah	23°36'.77N 058°30'.26E	400	M	0200,0600,1000,1400,1800,2200	English	Non Operational
		Salalah	17°01'.90N 054°15'.67E	400	D	0030,0430,0830,1230,1630,2030	English	Planned
	Pakistan	Karachi	24°52'.77N 067°09'.94E	400	P	0230,0630,1030,1430,1830,2230	English	Non Operational
	Saudi Arabia	Jeddah	21°23'.00N 039°10'.00E	390	H	0110,0510,0910,1310,1710,2110	English	Non Operational
X	NONE ³							
XI	China	Sanya	18°17'.49N 109°21'.80E	250	M	0200,0600,1000,1400,1800,2200	English	Operational
		Guangzhou	23°09'.56N 113°30'.80E	250	N	0210,0610,1010,1410,1810,2210	English	Operational
		Fuzhou	25°59'.96N 119°26'.50E	250	O	0220,0620,1020,1420,1820,2220	English	Operational
		Shanghai	31°06'.79N 121°32'.79E	250	Q	0240,0640,1040,1440,1840,2240	English	Operational
		Dalian	38°50'.69N 121°31'.09E	250	R	0250,0650,1050,1450,1850,2250	English	Operational
	Democratic People's Republic of Korea	Pyongyang	38°59'.58N 125°42'.93E	200	D	0030,0430,0830,1230,1630,2030	English	Operational
		Hamhung	39°50'.00N 127°41'.02E	200	E	0040,0440,0840,1240,1640,2040	English	Operational

³ Australia is only providing coastal warnings through the International SafetyNET Service (AUSCOAST). See annex 8.

NAV/MET Area	Country	NAVTEX Coast Station	Position of Antenna	Range (NM)	B1 Character	Transmission times (UTC)	Language	Status of implementation
XI (cont.)	Indonesia	Jayapura	02°31'.13S 140°43'.30E	300	A	0000,0400,0800,1200,1600,2000	English	Operational
		Ambon	03°41'.68S 128°11'.88E	300	B	0010,0410,0810,1210,1610,2010	English	Operational
		Makassar	05°04'.89S 119°29'.83E	300	D	0030,0430,0830,1230,1630,2030	English	Operational
		Jakarta	06°07'.15S 106°51'.78E	300	E	0040,0440,0840,1240,1640,2040	English	Operational
	Japan	Kushiro	42°57'.35N 144°35'.37E	400	K	0140,0540,0940,1340,1740,2140	English	Operational
		Otaru	43°19'.53N 140°26'.83E	400	J	0130,0530,0930,1330,1730,2130	English	Operational
		Yokohama	35°14'.55N 139°55'.28E	400	I	0120,0520,0920,1320,1720,2120	English	Operational
		Moji	34°00'.90N 130°56'.10E	400	H	0110,0510,0910,1310,1710,2110	English	Operational
		Naha	26°05'.47N 127°40'.12E	400	G	0100,0500,0900,1300,1700,2100	English	Operational
	Malaysia	Penang	05°25'.58N 100°24'.40E	350	U	0320,0720,1120,1520,1920,2320	English	Operational
		Miri	04°26'.42N 114°01'.51E	350	T	0310,0710,1110,1510,1910,2310	English	Operational
		Sandakan	05°53'.85N 118°00'.24E	350	S	0300,0700,1100,1500,1900,2300	English	Operational
	Philippines	Manila	14°33'.33N 121°03'.90E	320	J	0130,0530,0930,1330,1730,2130	English	Non Operational
		Davao	07°07'.30N 125°39'.42E	320	R	0250,0650,1050,1450,1850,2250	English	Planned
	Republic of Korea	Jukbyeon	37°03'.45N 129°25'.70E	200	V	0330,0730,1130,1530,1930,2330	English	Operational
		Byeonsan	35°35'.82N 126°29'.18E	200	W	0340,0740,1140,1540,1940,2340	English	Operational
	Singapore	Singapore POCC	01°20'.65N 103°58'.35E	400	C	0020,0420,0820,1220,1620,2020	English	Operational
	Thailand	Bangkok Radio	13°01'.47N 100°01'.20E	400	F	0050,0450,0850,1250,1650,2050	English	Operational
	United States	Guam	13°28'.62N 144°50'.10E	250	V	0330,0730,1130,1530,1930,2330	English	Operational
	Viet Nam	Ho Chi Minh Radio	10°23'.40N 107°08'.41E	400	X	0350,0750,1150,1550,1950,2350	English	Operational
		Da Nang Radio	16°03'.33N 108°09'.42E	400	K	0140,0540,0940,1340,1740,2140	English	Operational
	Associate Member Hong Kong, China	Hong Kong, China	22°12'.57N 114°15'.30E	400	L	0150,0550,0950,1350,1750,2150	English	Operational
XII	Canada	Digby Island	54°18'.05N 130°24'.17W	300	D	0030,0430,0830,1230,1630,2030	English	Operational
		Amphitrite Point	48°55'.28N 125°32'.38W	300	H	0110,0510,0910,1310,1710,2110	English	Operational
	Colombia	Punta Soldado	03°48'.57N 077°10'.82W	300	O	0220,0620,1020,1420,1820,2220	English	Planned
	Ecuador	Ayora	00°43'.03S 090°19'.63W	400	L	0150,0550,0950,1350,1750,2150	English	Non Operational
	United States	San Francisco	37°55'.53N 122°43'.87W	350	C	0020,0420,0820,1220,1620,2020	English	Operational
		Kodiak	57°46'.63N 152°31'.72W	200	J	0130,0530,0930,1330,1730,2130	English	Operational
		Kodiak	57°46'.63N 152°31'.72W	200	X	0350,0750,1150,1550,1950,2350	English	Operational
		Honolulu	21°26'.10N 158°08'.65W	350	O	0220,0620,1020,1420,1820,2220	English	Operational
		Cambria	35°31'.12N 121°03'.60W	350	Q	0240,0640,1040,1440,1840,2240	English	Operational
		Astoria	46°12'.40N 123°57'.38W	216	W	0340,0740,1140,1540,1940,2340	English	Operational
XIII	Russian Federation	Kholmsk	47°02'.00N 142°03'.00E	300	B	0010,0410,0810,1210,1610,2010	English	Operational
		Petropavlovsk-Kamchatskiy	53°00'.00N 158°40'.00E	300	C	0020,0420,0820,1220,1620,2020	English	Operational
		Vladivostok	43°23'.00N 131°54'.00E	230	A	0000,0400,0800,1200,1600,2000	English	Operational
		Okhotsk	59°22'.00N 143°12'.00E	300	G	0100,0500,0900,1300,1700,2100	English	Operational
		Magadan	59°41'.00N 150°09'.00E	120	D	0030,0430,0830,1230,1630,2030	English	Operational

NAV/MET Area	Country	NAVTEX Coast Station	Position of Antenna	Range (NM)	B1 Character	Transmission times (UTC)	Language	Status of implementation
XIV	NONE							
XV	Chile	Antofagasta	23°29'.47S 070°25'.39W	400	A	0000,0400,0800,1200,1600,2000	English	Operational
		Valparaiso	32°48'.37S 071°29'.23W	400	B	0010,0410,0810,1210,1610,2010	English	Operational
		Talcahuano	36°37'.75S 073°07'.01W	400	C	0020,0420,0820,1220,1620,2020	English	Operational
		Puerto Montt	41°47'.06S 073°52'.75W	400	D	0030,0430,0830,1230,1630,2030	English	Operational
		Magallanes	52°55'.70S 070°53'.42W	400	E	0040,0440,0840,1240,1640,2040	English	Operational
		Isla de Pascua	27°08'.85S 109°22'.61W	400	F	0050,0450,0850,1250,1650,2050	English	Non Operational
XVI	Peru	Paita	05°06'.00S 081°07'.00W	250	S	0300,0700,1100,1500,1900,2300	English	Operational
		Callao	12°01'.80S 077°07'.80W	250	U	0320,0720,1120,1520,1920,2320	English	Operational
		Mollendo	17°00'.30S 072°01'.90W	250	W	0340,0740,1140,1540,1940,2340	English	Operational
XVIII	Greenland (Denmark)	Upernavik	72°47'.00N 056°09'.00W	300	I	0120,0520,0920,1320,1720,2120	English	Operational
XIX	Norway	Bodø Radio	67°16'.15N 014°25'.37E	450	B	0010,0410,0810,1210,1610,2010	English	Operational
		Vardø Radio	70°22'.27N 031°05'.83E	450	C	0020,0420,0820,1220,1620,2020	English	Operational
		Svalbard (Isfjord)	78°03'.42N 013°36'.59E	450	A	0000,0400,0800,1200,1600,2000	English	Operational
XX	Russian Federation	Murmansk	68°46'.00N 032°58'.00E	300	K	0140,0540,0940,1340,1740,2140	English	Operational
		Arkhangelsk	64°51'.00N 040°17'.00E	300	L	0150,0550,0950,1350,1750,2150	English	Operational
XXI	Russian Federation	Tiksi	71°38'.00N 128°50'.00E	300	Q	0240,0640,1040,1440,1840,2240	English	Operational (Period from 1 July to 30 October)

National 490 kHz NAVTEX

NAV/MET Area	Country	NAVTEX Coast Station	Position of Antenna	Range (NM)	B1 Character	Transmission times (UTC)	Language	Status of implementation
I	Belgium	Oostende Radio	51°10'.95N 002°48'.47E	55	B	0010,0410,0810,1210,1610,2010	Dutch	Operational
	Germany	Pinneberg	53°40'.50N 009°48'.50E	250	L	0150,0550,0950,1350,1750,2150	German	Operational
	Iceland	Reykjavik Radio/ Grindavik	63°49'.99N 022°27'.04W	450	K	0140,0540,0940,1340,1740,2140	Icelandic	Operational
		Reykjavik Radio/ Saudnes	66°11'.17N 018°57'.12W	450	E	0040,0440,0840,1240,1640,2040	Icelandic	Operational
	Ireland	Malin Head (North West Approaches broadcast for United Kingdom)	55°21'.80N 007°20'.39W	400	A	0000,0400,0800,1200,1600,2000	English	Operational
	United Kingdom	Cullercoats	55°04'.49N 001°27'.79W	300	U	0320,0720,1120,1520,1920,2320	English	Operational
		Portpatrick	54°50'.64N 005°07'.47W	300	C	0020,0420,0820,1220,1620,2020	English	Operational
		Niton	50°35'.18N 001°15'.29W	300	I	0120,0520,0920,1320,1720,2120	English	Operational
		Niton (NE Coast of France and Channel Islands broadcast for France)	50°35'.18N 001°15'.29W	300	T	0310,0710,1110,1510,1910,2310	French	Operational
II	Cape Verde	Sao Vicente Radio	16°51'.24N 025°00'.14W	250	P	0230,0630,1030,1430,1830,2230	Portuguese	Non Operational
	France	Ouessant	48°28'.56N 005°03'.18W	300	E	0040,0440,0840,1240,1640,2040	French	Operational
	Nigeria	Lagos	06°23'.99N 003°22'.91E	250	L	0150,0550,0950,1350,1750,2150	N.I.	Non Operational
		Oron	04°48'.01N 008°15'.34E	250	O	0220,0620,1020,1420,1820,2220	N.I.	Non Operational
	Portugal	CENCOMARACORES (S. Miguel)	37°48'.50N 025°33'.20W	300	J	0130,0530,0930,1330,1730,2130	Portuguese	Operational
		CENCOMAR (Penalva)	38°36'.20N 009°01'.80W	300	G	0100,0500,0900,1300,1700,2100	Portuguese	Operational
		CENCOMARMADEIRA (Porto Santo)	33°05'.70N 016°20'.40W	300	M	0200,0600,1000,1400,1800,2200	Portuguese	Operational
	Senegal	Dakar	14°46'.25N 017°20'.40W	200	M	0200,0600,1000,1400,1800,2200	French	Non Operational
	Spain	Coruña	43°22'.03N 008°27'.13W	300	W	0340,0740,1140,1540,1940,2340	Spanish	Operational
		Tarifa	36°02'.53N 005°33'.38W	300	T	0310,0710,1110,1510,1910,2310	Spanish	Operational
		Las Palmas	28°25'.97N 016°20'.17W	450	A	0000,0400,0800,1200,1600,2000	Spanish	Operational
III	Algeria	Ain Taya Radio	36°48'.23N 003°15'.63E	200	K	0140,0540,0940,1340,1740,2140	French	Operational
	Azerbaijan	Baku (Chilov)	40°19'.63N 050°36'.73E	200	M	0200,0600,1000,1400,1800,2200	Azerbaijan	Operational
	France	CROSS La Garde	43°06'.26N 005°59'.49E	250	S	0300,0700,1100,1500,1900,2300	French	Operational
	Georgia	Poti	42°07'.97N 041°39'.66E	350	G	0100,0500,0900,1300,1700,2100	English	Operational

NAV/MET Area	Country	NAVTEX Coast Station	Position of Antenna	Range (NM)	B1 Character	Transmission times (UTC)	Language	Status of implementation
III (cont.)	Greece	Irakleio	35°19'.33N 025°44'.92E	400	Q	0240,0640,1040,1440,1840,2240	Greek	Operational
		Kerkyra	39°36'.43N 019°53'.47E	400	P	0230,0630,1030,1430,1830,2230	Greek	Operational
		Limnos	39°54'.41N 025°10'.84E	400	R	0250,0650,1050,1450,1850,2250	Greek	Operational
	Iran (Islamic Republic of)	Fereydoonkenar Radio	36°42'.00N 052°33'.00E	250	J	0130,0530,0930,1330,1730,2130	Farsii	Operational
	Italy	La Maddalena	41°13'.22N 009°23'.57E	320	I	0120,0520,0920,1320,1720,2120	Italian	Operational
		Mondolfo	43°44'.51N 013°08'.33E	320	E	0040,0440,0840,1240,1640,2040	Italian	Operational
		Sellia Marina	38°52'.21N 016°43'.06E	320	W	0340,0740,1140,1540,1940,2340	Italian	Operational
		Piombino	42°55'.36N 010°32'.45E	320	N	0210,0610,1010,1410,1810,2210	English	Operational
	Romania	Constanta Radio	44°06'.00N 028°38'.00E	400	L	0150,0550,0950,1350,1750,2150	Romanian	Operational
	Spain	Cabo La Nao	38°43'.07N 000°10'.55E	220	M	0200,0600,1000,1400,1800,2200	Spanish	Operational
		Tarifa	36°02'.53N 005°33'.38W	300	T	0310,0710,1110,1510,1910,2310	Spanish	Operational
	Syrian Arab Republic	Lattakia Radio	35°32'.13N 035°46'.50E	N.I.	K	0140,0540,0940,1340,1740,2140	N.I.	Operational
	Turkey	Samsun	41°23'.00N 036°11'.00E	400	A	0000,0400,0800,1200,1600,2000	Turkish	Operational
		Istanbul	41°04'.00N 028°57'.00E	400	B	0010,0410,0810,1210,1610,2010	Turkish	Operational
		Izmir	38°16'.00N 026°16'.00E	400	C	0020,0420,0820,1220,1620,2020	Turkish	Operational
		Antalya	36°09'.00N 032°26'.00E	400	D	0030,0430,0830,1230,1630,2030	Turkish	Operational
	Ukraine	Odessa	46°22'.65N 030°44'.85E	250	X	0350,0750,1150,1550,1950,2350	English	Operational
		Berdyansk	46°38'.17N 036°45'.72E	250	U	0320,0720,1120,1520,1920,2320	English	Operational
IV	Canada	Moisie	50°11'.75N 066°06'.73W	300	D	0030,0430,0830,1230,1630,2030	French	Operational
		Port Caledonia	46°11'.15N 059°53'.77W	300	J	0130,0530,0930,1330,1730,2130	French	Operational
		Chebogue	43°44'.65N 066°07'.32W	300	V	0330,0730,1130,1530,1930,2330	French	Operational
		Iqaluit	63°43'.82N 068°32'.70W	300	S	0300,0700,1100,1500,1900,2300	French	Operational
	Colombia	Santa Marta	11°03'.33N 074°13'.10W	300	K	0140,0540,0940,1340,1740,2140	Spanish	Planned
VI	Argentina	Ushuaia	54°48'.00S 068°18'.00W	280	A	0000,0400,0800,1200,1600,2000	Spanish	Operational
		Rio Gallegos	51°37'.00S 069°12'.00W	280	B	0010,0410,0810,1210,1610,2010	Spanish	Operational
		Comodoro Rivadavia	45°50'.50S 067°28'.40W	280	C	0020,0420,0820,1220,1620,2020	Spanish	Operational
		Bahia Blanca	38°52'.00S 062°06'.00W	280	D	0030,0430,0830,1230,1630,2030	Spanish	Operational
		Mar del Plata	38°03'.00S 057°32'.00W	280	E	0040,0440,0840,1240,1640,2040	Spanish	Operational
		Buenos Aires	35°29'.00S 057°10'.00W	280	F	0050,0450,0850,1250,1650,2050	Spanish	Operational
	Uruguay	La Paloma	34°40'.00S 054°09'.00W	280	A	0000,0400,0800,1200,1600,2000	Spanish	Non Operational
VIII	India	Veraval	20°54'.60N 070°23'.00E	250	P	0230,0630,1030,1430,1830,2230	N.I.	Planned
		Vengurla Point	15°51'.20N 073°37'.00E	250	R	0250,0650,1050,1450,1850,2250	N.I.	Planned
		Muttam Point	08°07'.40N 077°19'.10E	250	T	0310,0710,1110,1510,1910,2310	N.I.	Planned
		Porto Novo	11°30'.20N 079°46'.20E	250	E	0040,0440,0840,1240,1640,2040	N.I.	Planned
		Vakalpudi	17°00'.80N 082°17'.10E	250	G	0100,0500,0900,1300,1700,2100	N.I.	Planned
		Balasore	21°29'.20N 086°55'.00E	250	I	0120,0520,0920,1320,1720,2120	N.I.	Planned

NAV/MET Area	Country	NAVTEX Coast Station	Position of Antenna	Range (NM)	B1 Character	Transmission times (UTC)	Language	Status of implementation
VIII (cont.)	India (cont.)	Keating Point (Andaman and Nicobar Islands)	09°15'.40N 092°46'.50E	250	K	0140,0540,0940,1340,1740,2140	N.I.	Planned
	Seychelles	Mahe	04°39'.32S 055°28'.38E	400	M	0200,0600,1000,1400,1800,2200	Creole	Operational
IX	Iran (Islamic Republic of)	Abbas Radio	27°06'.00N 056°03'.00E	300	I	0120,0520,0920,1320,1720,2120	Farsi	Operational
		Bushehr Radio	28°59'.00N 050°49'.00E	300	D	0030,0430,0830,1230,1630,2030	Farsi	Operational
	Oman	Wattayah	23°36'.77N 058°30'.26E	400	F	0050,0450,0850,1250,1650,2050	Arabic	Planned
		Salalah	17°01'.90N 054°15'.67E	400	V	0330,0730,1130,1530,1930,2330	Arabic	Planned
XI	China	Sanya	18°17'.49N 109°21'.80E	250	A	0000,0400,0800,1200,1600,2000	Chinese ⁴	Under Trial
		Zhanjiang	21°09'.58N 110°21'.82E	250	D	0030,0430,0830,1230,1630,2030	Chinese ⁴	Under Trial
		Guangzhou	23°09'.56N 113°30'.80E	250	B	0010,0410,0810,1210,1610,2010	Chinese ⁴	Under Trial
		Fuzhou	25°59'.96N 119°26'.50E	250	C	0020,0420,0820,1220,1620,2020	Chinese ⁴	Under Trial
		Shanghai	31°06'.79N 121°32'.79E	250	E	0040,0440,0840,1240,1640,2040	Chinese ⁴	Under Trial
		Tianjin	39°02'.39N 117°26'.95E	250	S	0300,0700,1100,1500,1900,2300	Chinese ⁴	Under Trial
		Dalian	38°50'.69N 121°31'.09E	250	F	0050,0450,0850,1250,1650,2050	Chinese ⁴	Under Trial
	Democratic People's Republic of Korea	Pyongyang	38°59'.58N 125°42'.93E	200	A	0000,0400,0800,1200,1600,2000	Korean	Operational
		Hamhung	39°50'.00N 127°41'.02E	200	B	0010,0410,0810,1210,1610,2010	Korean	Operational
	Japan	Kushiro	42°57'.35N 144°35'.37E	400	K	0108,0508,0908,1308,1708,2108	Japanese ⁵	Operational
		Otaru	43°19'.53N 140°26'.83E	400	J	0051,0451,0851,1251,1651,2051	Japanese ⁵	Operational
		Yokohama	35°14'.55N 139°55'.28E	400	I	0034,0434,0834,1234,1634,2034	Japanese ⁵	Operational
		Moji	34°00'.90N 130°56'.10E	400	H	0017,0417,0817,1217,1617,2017	Japanese ⁵	Operational
		Naha	26°05'.48N 127°40'.13E	400	G	0000,0400,0800,1200,1600,2000	Japanese ⁵	Operational
	Philippines	Puerto Princesa	09°44'.36N 118°44'.00E	320	I	0120,0530,0930,1320,1720,2120	Tagalog/ English	Planned
	Republic of Korea	Jukbyeon	37°03'.45N 129°25'.70E	200	J	0130,0530,0930,1330,1730,2130	Korean	Operational
		Byeonsan	35°35'.82N 126°29'.18E	200	K	0140,0540,0940,1340,1740,2140	Korean	Operational
	Viet Nam	Da Nang Radio	16°03'.33N 108°09'.42E	400	F	0050,0450,0850,1250,1650,2050	Vietnamese	Operational
		Vung Tau Radio	10°23'.40N 107°08'.41E	400	V	0330,0730,1130,1530,1930,2330	Vietnamese	Operational
XII	Colombia	Punta Soldado	03°48'.57N 077°10'.82W	300	C	0020,0420,0820,1220,1620,2020	Spanish	Planned
	Ecuador	Ayora	00°43'.03S 090°19'.63W	400	A	0000,0400,0800,1200,1600,2000	Spanish	Non Operational
XV	Chile	Antofagasta	23°29'.47S 070°25'.39W	400	G	0100,0500,0900,1300,1700,2100	Spanish	Operational
		Valparaiso	32°48'.37S 071°29'.23W	400	H	0110,0510,0910,1310,1710,2110	Spanish	Operational
		Talcahuano	36°37'.75S 073°07'.01W	400	I	0120,0520,0920,1320,1720,2120	Spanish	Operational
		Puerto Montt	41°47'.06S 073°52'.75W	400	J	0130,0530,0930,1330,1730,2130	Spanish	Operational
		Magallanes	52°55'.70S 070°53'.42W	400	K	0140,0540,0940,1340,1740,2140	Spanish	Operational
		Isla des Pascua	27°08'.85S 109°22'.61W	400	L	0150,0550,0950,1350,1750,2150	Spanish	Non Operational

⁴ Transmit on 486 kHz (Note: 486 kHz is a local frequency, not a GMDSS frequency allocated for national broadcasts).

⁵ Transmit on 424 kHz (Note: 424 kHz is a local frequency, not a GMDSS frequency allocated for national broadcasts).

National 4209.5 kHz NAVTEX

NAV/MET Area	Country	NAVTEX Coast Station	Position of Antenna	Range (NM)	B1 Character	Transmission times (UTC)	Language	Status of implementation
III	Greece	Irakleio	35°19'.33N 025°44'.92E	400	S	0300,0700,1100,1500,1900,2300	Greek	Operational
	Turkey	Istanbul	41°04'.00N 028°57'.00E	400	M	0200,0600,1000,1400,1800,2200	Turkish	Operational
IX	Egypt	Serapeum (Ismailia)	30°28'.00N 032°22'.00E	400	X	0750, 1150	English	Operational
XI	China	Shanghai	31°06'.79N 121°32'.79E	500	Q	0240,0640,1040,1440,1840,2240	English	Under Trial
		Guangzhou	23°09'.33N 113°30'.62E	500	G	0100,0500,0900,1300,1700,2100	Chinese	Under Trial
		Tianjin	39°02'.39N 117°26'.95E	500	S	0300,0700,1100,1500,1900,2300	English	Planned
	Viet Nam	Hai Phong Radio	20°51'.02N 106°44'.02E	N.I.	M	0200,0600,1000,1400,1800,2200	English Vietnamese	Operational
		Nha Trang Radio	12°13'.20N 109°10'.50E	N.I.	C	0020,0420,0820,1220,1620,2020	English Vietnamese	Operational

(1) Provide a diagram showing limits of Costal Warning Areas, including B1 Codes.

NAV = NAVIGATIONAL WARNINGS

MET = METEOROLOGICAL INFORMATION

SAR = SEARCH AND RESCUE ALERTS

* = NAVAREA COORDINATOR RESPONSIBLE FOR THE AREA

** = THE ISSUING SERVICE NOMINATED BY WMO FOR METAREA SERVICES,
RESPONSIBLE FOR THE AREA

ANNEX 8

THE INTERNATIONAL SAFETYNET SERVICE

NAV/MET Area	Type of Information	Country	LES/LESO	Ocean Region/LES ID	MSI Coastal Warning Area (1) (if applicable)	Broadcast schedule (UTC)	Status of implementation
I	NAV	United Kingdom*	Burum/Stratos	AOR-E/102		0530,1730	Operational
	MET	United Kingdom**	Burum/Stratos	AOR-E/102		0930,2130	Operational
	SAR	United Kingdom	Burum/Stratos	AOR-E/102 AOR-W/002			Operational
		Norway	Eik	AOR-E			Operational
		Germany	Raisting	AOR-E & IOR			Operational
		Netherlands	Burum Stratos Global	AOR-E,AOR-W, IOR & POR			Operational
II	NAV	France*	Aussaguel	AOR-E		0430,1630	Operational
	MET	France**	Aussaguel	AOR-E & AOR-W		1015,2215	Operational
	SAR	France/United Kingdom	Aussaguel/Goonhilly	AOR-E & AOR-W			Operational
III	NAV	Spain*		AOR-E		1200,2400	Operational
	MET	Greece**	Burum	AOR-E		1000,2200	Operational
	SAR	Greece	Burum	AOR-E & IOR	Greek SAR region		Operational
		Cyprus	Eik	AOR-E & IOR			Operational
IV	NAV	French West Indies (France)	Aussaguel	AOR-W		0900,2100	Operational
		French Guiana (France)	Aussaguel	AOR-W		0900,2100	Operational
		United States*	Southbury	AOR-E & AOR-W		1000,2200	Operational
	MET	United States**	Southbury	AOR-E & AOR-W		0430,1030,1630,2230	Operational
	SAR	United States	Southbury	AOR-E & AOR-W			Operational
		Canada	Burum [Stratos]	AOR-E & AOR-W	Canadian SRR		Operational
V	NAV	Brazil*	Burum	AOR-E		0030,1230	Operational
	MET	Brazil**	Burum	AOR-E		0730,1930	Operational
	SAR	Brazil	Burum	AOR-E		When necessary	Operational

NAV/MET Area	Type of Information	Country	LES/LESO	Ocean Region/LES ID	MSI Coastal Warning Area (1) (if applicable)	Broadcast schedule (UTC)	Status of implementation
VI	NAV	Argentina*	Eik (Norway)	AOR-W		0200,1400	Operational
	MET	Argentina**	Eik (Norway)	AOR-W		1200,0000	Operational
	SAR	Argentina	Eik (Norway)	AOR-W			Operational
VII	NAV	South Africa*	Station 12	AOR-E & IOR		0940,1940	Operational
		Mayotte (France)	Aussaguel	IOR		0330,1530	Operational
VII	NAV	Kerguelen (France)	Aussaguel	IOR		0140,1340	Operational
		La Reunion (France)	Aussaguel	IOR		0040,1240	Operational
		South Africa**	Burum	AOR-E & IOR		0940,1940	Operational
	MET	South Africa**	Burum	AOR-E & IOR			Operational
	SAR	South Africa	Burum	AOR-E & IOR			Operational
VIII	NAV	India*	Pune	IOR		1000,2200	Operational
		La Réunion (France)	Aussaguel	IOR		0040,1240	Operational
		Mayotte (France)	Aussaguel	IOR		0330,1530	Operational
	MET	India**	Pune	IOR		0900,1800	Operational
		Mauritius/La Réunion**	Aussaguel	IOR		0130,1330	Operational
		Mauritius/La Réunion**	Aussaguel	IOR & AOR-E		0000,0600,1200,1800	Operational
	SAR	India	Pune	IOR			Operational
IX	NAV	Pakistan*	Burum	IOR		0300,1500	Operational
	MET	Pakistan**		IOR		0630,0700,1830	Operational
	SAR	Pakistan		IOR			Operational
X	NAV	Australia*	Perth 212 & 312	POR & IOR		0700,1900	Operational
		New Caledonia (France)	Aussaguel	POR		0140,1340	Operational
	MET	Australia**	Perth 212	POR	High Seas – North Eastern, South Eastern, Western & Northern Areas	1100,2300 (for High Seas Areas see figure 8-1; for Coastal Waters Areas see figure 8-2)	Operational
					Coastal Area D ¹	0700,1910	Operational
					Coastal Area D ²	0700,1910	Operational
					Coastal Areas G & H	0815,2015	Operational
			Perth 312	IOR	High Seas - Western	1030,2330	Operational
					Coastal Areas F & G	0830,2030	Operational

¹ Torres Strait Coastal Waters Forecast and Warnings.

² 1 hour earlier during Australian Eastern Daylight Time.

NAV/MET Area	Type of Information	Country	LES/LESO	Ocean Region/LES ID	MSI Coastal Warning Area (1) (if applicable)	Broadcast schedule (UTC)	Status of implementation
X (cont.)	SAR EGC SAC 39 & NAV (SAC 42 ³)	Australia	Perth 212 & 312	POR & IOR	Australian SRR as per ALRS Volume V		Operational
	COASTAL WARNINGS ⁴	Australia	Perth 212 & 312	POR & IOR	See Figure 8-3 for B1 character	0700,1900	Operational
XI	NAV	Japan*	Yamaguchi	POR & IOR		0005,1205	Operational
	MET	Japan**	Singapore	POR	POR area in AREA XI	0230,0830,1430,2030	Operational
		China**	Beijing	IOR	IOR area in AREA XI	0330,1530	Operational
	SAR	Indonesia	Perth	POR & IOR			Operational
		Japan	Yamaguchi	POR & IOR	North of 17°N, West of 165°E		Operational
		Malaysia	Singapore	POR & IOR			Operational
		Singapore	Sentosa	POR & IOR			Operational
		Thailand	Nonthaburi	IOR			Operational
	SAR	Associate Member Hong Kong, China	Perth	POR & IOR			Operational
XII	NAV	United States*	Santa Paula/Southbury	POR & AOR-W		1030,2230	Operational
	MET	United States**	Santa Paula/Southbury	POR & AOR-W		0545,1145,1745,2345	Operational
	SAR	United States	Santa Paula/Southbury	POR & AOR-W	United States SRR		Operational
		Canada	Burum [Stratos]	POR & AOR-W	Canadian SRR		Operational
XIII	NAV	Russian Federation*	Nudol	POR		0930,2130	Operational
		Japan	Perth	POR	South of 60°N in AREA XIII	0930,2130	Operational
	MET	Russian Federation**	Nudol	POR		0930,2130	Operational
		Japan**	Yamaguchi	POR	South of 60°N in AREA XIII	0230,0830,1430,2030	Operational ⁵
	SAR	Russian Federation	Nudol	POR	Russian Federation SRR		Operational
XIV	NAV	New Zealand*	Burum	POR		0900,2100	Operational
		New Zealand	Burum	POR	See figure annexed.	0900,2100	Operational
		New Caledonia (France)	Aussaguel	POR		0140,1340	Operational
		Wallis and Futuna (France)	Aussaguel	POR		0030,1230	Operational
		French Polynesia (France)	Southbury	POR		0250,1450	Operational

³ SAC 42: Navigational Hazards and Warnings provided to JRCC Australia; SAC 39: Maritime Assistance arranged by JRCC Australia.

⁴ Australia is providing coastal warnings through the International SafetyNET Service (AUSCOAST) instead of International NAVTEX Services.

⁵ Same service to METAREA XI.

NAV/MET Area	Type of Information	Country	LES/LESO	Ocean Region/LES ID	MSI Coastal Warning Area (1) (if applicable)	Broadcast schedule (UTC)	Status of implementation
XIV (cont.)	MET	New Zealand**	Burum	POR		0930,2130 0100,1300 0330,1530	Operational
	SAR	New Zealand	Burum	POR			Operational
XV	NAV	Chile*	Southbury	AOR-W		0210,1410	Operational
	MET	Chile**	Southbury	AOR-W		0100,1330,1440,0345,1845	Operational
	SAR	Chile	Southbury	AOR-W	Chilean SRR Region		Operational
XVI	NAV	Peru*	Southbury	AOR-W		0500,1700	Operational
	MET	United States**	Southbury	AOR-W		0515,1115,1715,2315	Operational
	SAR	Peru	Southbury	AOR-W			Operational
XVII	NAV	Canada	Eik [Astrium]	POR		1130 and 2330	Operational
	MET	Canada	Burum [Stratos]	POR		0300,1500	Operational
	SAR	Canada	Eik	POR & AOR-W	Canadian SRR		Operational
XVIII	NAV	Canada	Eik [Astrium]	AOR-W		1100,2300	Operational
	MET	Canada	Burum [Stratos]	AOR-W		0300,1500	Operational
	SAR	Canada	Eik	AOR-W & AOR-E	Canadian SRR		Operational
XIX	NAV	Norway	Eik	AOR-E		0630,1830	Operational
	MET	Norway	Eik	AOR-E		1100,2300	Operational
	SAR	Norway	Eik	AOR-E			Operational
XX	NAV	Russian Federation	Nudol	IOR		0530,1730	Operational
	MET	Russian Federation	Nudol			0600,1800	Operational
	SAR	Russian Federation	Nudol				Operational
XXI	NAV	Russian Federation	Nudol	POR		0630,1830	Operational
	MET	Russian Federation	Nudol			0600,1800	Operational
	SAR	Russian Federation	Nudol				Operational

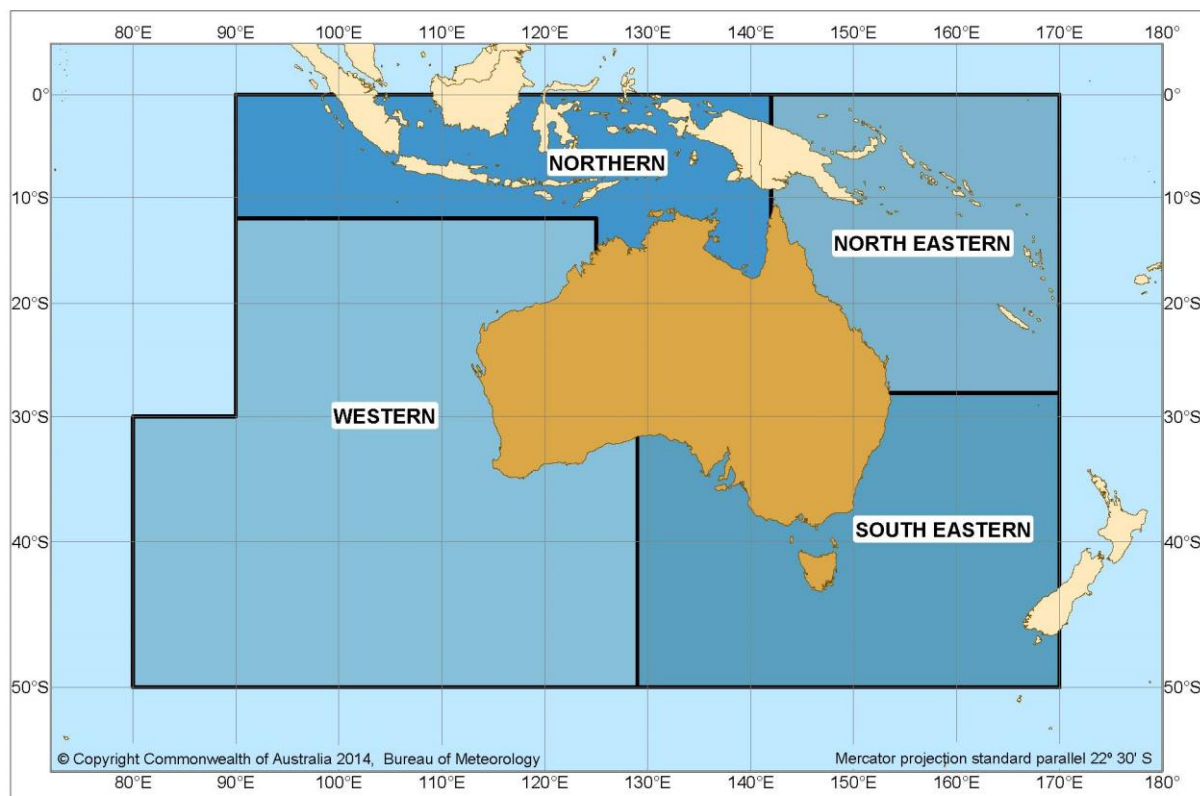


Figure 8-1 – Areas for weather forecasts in Australia

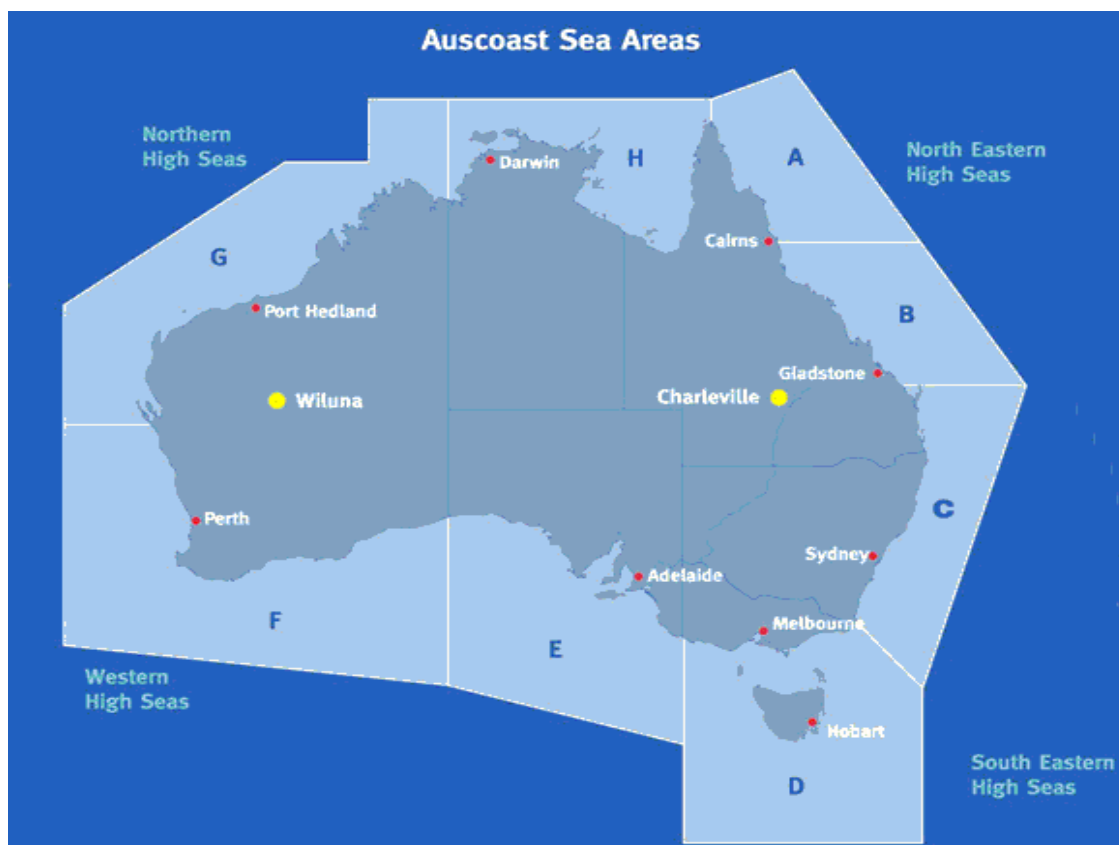


Figure 8-2 – Areas for coastal navigational warnings on SafetyNET in Australia

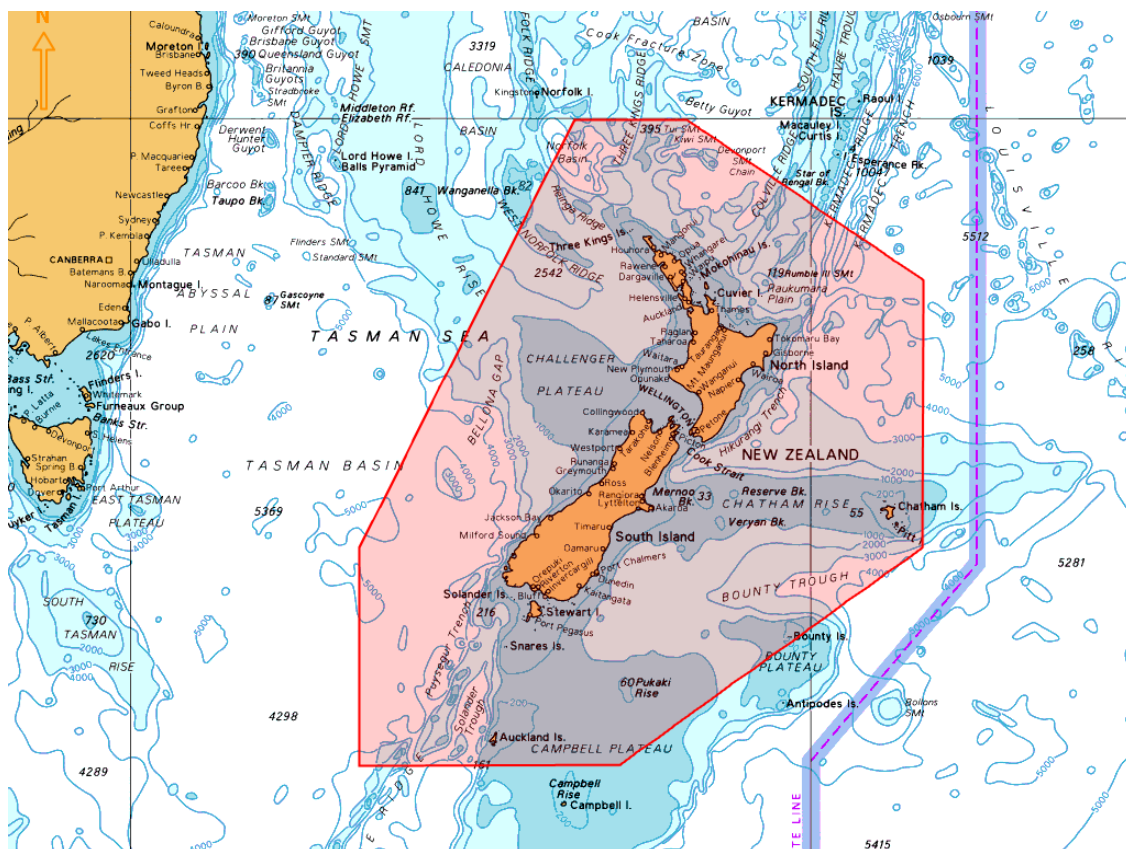


Figure 8-3 – New Zealand SafetyNET Coastal Navigation Warning Area

APPENDICES

TABLE OF INTERNATIONALLY COORDINATED BROADCAST SCHEDULES

These appendices provide the latest information on broadcast schedules which were available at the time of printing. For the most up-to-date information, reference should be made to documentation of the International Maritime Organization (IMO) and lists of Radio Signals published by national hydrographic offices.

Information on known broadcast schedules is tabulated as follows:

Appendix 1 – NAVAREA Warning Schedules

Appendix 2 – METAREA Schedules

Appendix 3 – Broadcast Schedules of each Satellite Region

Registered Information Providers should attempt to release messages for scheduled broadcast no earlier than the advertised time of the schedule and no later than 15 minutes after that time.

APPENDIX 1

NAVAREA WARNING SCHEDULES

NAVAREA	COORDINATOR	TIMES (UTC)	SATELLITE
I	United Kingdom	0530,1730	AOR-E
II	France	0430,1630	AOR-E
III	Spain	1200,2400 + on receipt	AOR-E
IV	United States	1000,2200	AOR-E & (W)
V	Brazil	0030,1230	AOR-E
VI	Argentina	0200,1400	AOR (W)
VII	South Africa	0940,1940	IOR & AOR-E
VIII	India	1000,2200	IOR
IX	Pakistan	0300,1500	IOR
X	Australia	0700,1900	POR & IOR
XI	Japan	0005,1205	POR & IOR
XII	United States	1030,2230	POR & AOR (W)
XIII	Russian Federation	0930,2130	POR
XIV	New Zealand	0900,2100	POR
XV	Chile	0210,1410	AOR (W)
XVI	Peru	0500,1700	AOR (W)
XVII	Canada	1130,2330	POR
XVIII	Canada	1100,2300	AOR (W)
XIX	Norway	0630,1830	AOR-E
XX	Russian Federation	0530,1730	IOR
XXI	Russian Federation	0630,1830	POR

APPENDIX 2
METAREA SCHEDULES

METAREA	ISSUING COUNTRY	TIMES (UTC)	SATELLITE
I	United Kingdom	0930,2130	AOR (E)
II	France	1015,2215	AOR (E) & (W)
III	Greece	1000,2200	AOR (E)
IV	United States	0430,1030,1630,2230	AOR (E) & (W)
V	Brazil	0730,1930	AOR (E)
VI	Argentina	0230,1730	AOR (W)
VII	South Africa	0940,1940	AOR (E) & IOR
VIII	India	0900,1800 (for North of equator)	IOR
	Mauritius/La Réunion	0130,1330 (for South of equator)	
IX	Pakistan	0630,0700,1830	IOR
X	Australia	1030,2330 (for coastal areas see Annex 8, page 3, MET Area X)	IOR
		1100,2300 (for coastal areas see Annex 8, page 3, MET Area X)	POR
XI	China	1015, 2215	IOR
	Japan	0230,0830,1430,2030	POR
XII	United States	0545,1145,1745,2345	POR & AOR (W)
XIII	Russian Federation	0930,2130	POR
	Japan*	0230,0830,1430,2030 (for South of 60° N)	
XIV	New Zealand	0930,2130 0130,1330 (NZ Coast only) 0330,1530 (Warnings only))	POR
XV	Chile	0100,0345,1330,1440,1845	AOR (W)
XVII	Canada	0300,1500	POR
XVIII	Canada	0300,1500	AOR (W)
XIX	Norway	1100,2300	AOR-E
XX	Russian Federation	0600,1800	IOR
XXI	Russian Federation	0600,1800	POR

* Same service to METAREA XI.

APPENDIX 3

BROADCAST SCHEDULES OF EACH SATELLITE REGION

Ocean region Broadcast schedules (UTC)			
AOR-E		AOR-W	
0030	(NAV V)	0100	(MET XV)
0430	(NAV II & MET IV)	0200	(NAV VI)
0530	(NAV I)	0210	(NAV XV)
0630	(NAV XIX)	0230	(MET VI)
0730	(MET V)	0300	(MET XVIII)
0930	(MET I)	0345	(MET XV)
0940	(MET VII)	0430	(MET IV)
1000	(MET III, MET XIX & NAV IV)	0500	(NAV XVI)
1015	(MET II)	0545	(MET XII)
1030	(MET IV)	0900	(NAV IV)
1200	(NAV III & MET VIII)	1000	(NAV IV)
1230	(NAV V)	1015	MET II
1630	(NAV II & MET IV)	1030	(MET IV & NAV XII)
1730	(NAV I)	1100	(NAV XVIII)
1830	(NAV XIX)	1145	(MET XII)
1930	(MET V)	1330	(MET XV)
1940	(NAV VII & MET VII)	1400	(NAV VI)
2130	(MET I)	1410	(NAV XV)
2200	(MET III & NAV IV)	1440	(MET XV)
2215	(MET II)	1500	(MET XVIII)
2230	(MET IV)	1630	(MET IV)
2300	(MET XIX)	1700	(NAV XVI)
2400	(NAV III)	1730	(MET VI)
		1745	(MET XII)
		1845	(MET XV)
		2100	(MET II & NAV IV)
		2200	(NAV IV)
		2215	MET II
		2230	(MET IV & NAV XII)
		2300	(NAV XVIII)
		2345	(MET XII)

Ocean region Broadcast schedules (UTC) (cont.)			
IOR		POR	
0000	(MET VIII)	0005	(NAV XI)
0005	(NAV XI)	0030	(NAV XIV)
0130	(MET VIII)	0100	(MET XIV)
0300	(NAV IX)	0140	(NAV X & XIV)
0330	(NAV VII & MET XI)	0230	(MET XI & MET XIII)
0530	(NAV XX)	0250	(NAV XIV)
0600	(MET VIII & MET XX)	0300	(MET XVII)
0630	(MET IX)	0330	(MET XIV)
0700	(NAV X & MET IX)	0545	(MET XII)
0805	(NAV XI)	0600	(MET XXI)
0830	(MET X)	0630	(NAV XXI)
0900	(MET VIII)	0700	(NAV X & MET X)
0940	(NAV VII & MET VII)	0805	(NAV XI)
1000	(NAV VIII)	0815	(MET X)
1015	(MET XI)	0830	(MET XI & MET XIII)
1030	(MET X)	0900	(NAV XIV)
1200	(MET VIII)	0930	(NAV XIII, MET XIII & XIV)
1205	(NAV XI)	1030	(NAV XII)
1240	(NAV VII & VIII)	1100	(MET X)
1330	(MET VIII)	1130	(NAV XVII)
1340	(NAV VII)	1145	(MET XII)
1500	(NAV IX)	1205	(NAV XI)
1530	(NAV VII & MET XI)	1230	(NAV XIV)
1730	(NAV XX)	1300	(MET XIV)
1800	(MET VIII & MET XX)	1340	(NAV X & XIV)
1830	(MET IX)	1430	(MET XI & MET XIII)
1900	(NAV X)	1450	(NAV XIV)
1940	(NAV VII & MET VII)	1500	(MET XVII)
2030	(MET X)	1530	(MET XIV)
2200	(NAV VIII)	1745	(MET XII)
2215	(MET XI)	1800	(MET XXI)
2330	(MET X)	1830	(NAV XXI)
		1900	(NAV X)
		1910	(MET X)
		2015	(MET X)
		2030	(MET XI & MET XIII)
		2100	(NAV XIV)
		2130	(NAV XIII, MET XIII & XIV)
		2230	(NAV XII)
		2300	(MET X)
		2330	(NAV XVII)
		2345	(MET XII)

ANNEX 9

HF NARROW-BAND DIRECT PRINTING (NBDP) MARITIME SAFETY INFORMATION (MSI) BROADCAST SERVICE

Country	NBDP Coast Station	Position	Frequency Band*	Schedule (UTC)	Status of implementation
Argentina	Comodoro Rivadavia	45°51'.00S 067°25'.00W	4 MHz	0530,2300	Operational
			8 MHz	0530,1300,1830,2300	
			12 MHz	0530,1300,1830,2300	
			19 MHz	1300,1830	
	Buenos Aires	34°27'.00S 058°35'.00W	4 MHz	0030,0300,1000,1400,1530,1900,2100	Operational
			8 MHz	0030,0300,1000,1400,1530,1900,2100	
			12 MHz	0030,0300,1000,1400,1530,1900,2100	
			16 MHz	0030,1400,1530,1900,2100	
Brazil	Brazilian Navy's Radio Station Rio de Janeiro PWZ-33	22°56'.00S 043°20'.00W	4 MHz (4,266.0 kHz)	On demand	Operational
			6 MHz (6,448.0 kHz)	0230 – RD (MET), 0400 – RD (NAV), 0600 – RD (MET), 1430 – RD (NAV), 1845 – RD (MET), 2130 – RD (NAV)	
			8 MHz (8,580.0 kHz)	0230 – RD (MET), 0400 – RD (NAV), 0600 – RD (MET), 1430 – RD (NAV), 1845 – RD (MET), 2130 – RD (NAV)	
			12 MHz (12,709.9 kHz)	0230 – RD (MET), 0400 – RD (NAV), 0600 – RD (MET), 1430 – RD (NAV), 1845 – RD (MET), 2130 – RD (NAV)	
			16 MHz (16,974.0 kHz)	0230 – RD (MET), 0400 – RD (NAV), 0600 – RD (MET), 1430 – RD (NAV), 1845 – RD (MET), 2130 – RD (NAV) RD - PACTOR FEC 200 bauds / mark 1900 Hz / space 2100 Hz / with pass all in position "on"	
Canada	Iqaluit	63°43'.7N 068°33'.00W	8 MHz	0330,1530 NAVAREA XVII and XVIII warnings METAREA bulletins for areas: 100-108, 111-142, 153, 154, 170-173 and 175-177	Operational (seasonal) Coverage over sea area 4 does not extend West of 141° W
Egypt	Serapeum Ismailia	30°28'.00N 032°22'.00E	4 MHz	0630	Operational
			6 MHz(6314 kHz)	1030	
			8 MHz	1430	
Greece	Olympia Radio	37°36'.00N 021°29'.00E	8 MHz(8424 kHz)	0930 – 2130	Operational
Iran (Islamic Republic of)	Abbas	27°12'.00N 057°17'.00E	4 MHz	1430,1830	Operational
			8 MHz	0530,1230	
			12 MHz	0830,1030	
Norway	Svalbard	78°03'.00N 013°37'.00E	4 MHz (4210 kHz)	0645,1115,1845,2315	Operational
			6 MHz (6425 kHz)	N.I.	
			8 MHz (8416.5 kHz)	0630,1100,1830,2300	

Country	NBDP Coast Station	Position	Frequency Band*	Schedule (UTC)	Status of implementation
Turkey	Istanbul	41°04'.00N 028°57'.00E	4 MHz(4560 kHz)	0800-2000	Operational
			8 MHz (8431 kHz)	0800-2000	
			12 MHz(12654 kHz)	0800-2000	
			16 MHz(16886 kHz)	0700-1600	
United States	Boston	41°39'.00N 070°33'.00W	6 MHz	0030,0140	Operational
			8 MHz	0030,0140,1218,1630	
			12 MHz	0030,0140,1218,1630	
			16 MHz	1218,1630	
	Guam	13°29'.00N 144°50'.00E	12 MHz	0230,0500,0900,1500,1900,2315	Operational
			16 MHz	0230,0500,0900,1500,1900,2315	
			22 MHz	0230,0500,0900,1500,1900,2315	
	Honolulu	21°26'.00N 158°09'.00W	8 MHz	0130,0730,1330,2030	Operational
			12 MHz	0130,0730,1330,2030	
			22 MHz	0130,2030	
	San Francisco	37°56'.00N 122°44'.00W	8 MHz	0005,1800	Operational
			16 MHz	0005,1800	

* The following frequencies are allocated for NBDP MSI broadcast by the Radio Regulations (Article N 38):

4 MHz = 4210 kHz	6 MHz = 6314 kHz	8 MHz = 8416.5 kHz	12 MHz = 12579 kHz
16 MHz = 16806.5 kHz	19 MHz = 19680.5 kHz	22 MHz = 22376 kHz	26 MHz = 26100.5 kHz

ANNEX 10

LIST OF COSPAS-SARSAT MISSION CONTROL CENTRES (MCCs) AND LOCAL USER TERMINALS (LUTs)

Ground Segment Operator	MCC			LUT			RCC Associated
	Location	Designator	Status of implementation	Location	Type (LEO, GEO, MEO)	Status of implementation	
Algeria	Algiers	ALMCC	Operational	Ouargla		Operational	RCC Alger
				Algiers		Operational	
Argentina	El Palomar	ARMCC	Operational	Parana		Operational	MRCC Puerto Belgrano
				Rio Grande	LEO/GEO	Operational	
Australia	Canberra	AUMCC	Operational	Albany	LEO	Operational	JRCC Australia
				Bundaberg	LEO	Operational	JRCC Australia
Brazil	Brasília	BRMCC	Operational	Brasília	LEO/GEO/MEO	Operational	Salvamar / Salvaero Brazil
				Recife	LEO/GEO	Operational	
				Manaus		Operational	
Canada	Trenton, Ontario	CMCC Trenton	Operational	Churchill	LEO	Operational	CMCC distributes alerts to a JRCC based on GEOSORT of locations or based on registered owner address if the alert is unlocated.
				Edmonton	LEO	Operational	
				Goose Bay	LEO	Operational	
				Ottawa	LEO	Operational	
				Edmonton	GEO	Operational	
				Ottawa	GEO	Operational (backup on trial)	
Chile	Santiago	CHMCC	Operational	Santiago	LEO/GEO	Operational	MRCC Chile
				Punta Arenas	LEO	Operational	
				Isla de Pascua	LEO	Operational	
China	Beijing	CNMCC	Operational	Beijing	(Dual LEOLUT system)	Operational	N.I.
Cyprus	JRCC Larnaca	CYMCC	N.I.	Makarios Satellite Station	MEO	Operational	JRCC Larnaca
France	Toulouse	FMCC	Operational	Toulouse	(Dual LEOLUT system)	Operational	MRCC Gris Nez
Greece	Athens	GRMCC	Operational	Pentelli	LEO	Temporarily out of service	JRCC Piraeus
					GEO	Operational	
India	Bangalore	INMCC	Operational	Bangalore		Operational	Dehli, Mumbai, Chennai, Kolkata
				Lucknow		Operational	

Ground Segment Operator	MCC			LUT			RCC Associated
	Location	Designator	Status of implementation	Location	Type (LEO, GEO, MEO)	Status of implementation	
Indonesia	Jakarta	IDMCC	Operational	Makassar		Operational	RCC I: Soekarto-Hatta Airport, Jakarta RCC II: Djuanda Airport, Surabaya RCC III: Hasanudin Airport, Ujung Pandang RCC IV: Frans Karseifo Airport, Biak
				Jakarta		Operational	
Italy	Bari	ITMCC	Operational	Bari		Operational	Roma
Japan	Tokyo	JAMCC	Operational	Gunma		Operational	Otaru MRCC Shiogama MRCC Yokohama MRCC Nagoya MRCC Kobe MRCC Hiroshima MRCC Kitakyushu MRCC Maizuru MRCC Niigata MRCC Kagoshima MRCC Naha MRCC
New Zealand	Canberra (Australia)	AUMCC	Operational	Wellington	LEO GEO MEO	Operational	RCC New Zealand
Nigeria	Abuja	NIMCC	Operational	Abuja		Operational	N.I.
Norway	Bodo	NMCC	Operational	Tromsø		Operational	RCC Bodo
				Spitzbergen		Operational	RCC Stavanger
Pakistan	Karachi	MRCC HQ PMSA	Operational				N.I.
Peru	Callao	PEMCC	Operational	Callao	LEO/GEO	Operational	Callao
Republic of Korea	Incheon	KOMCC	Operational	Incheon		Operational	Korea Coast Guard HQs
Russian Federation	Moscow	CMC	Operational	Moscow		Operational	MRCC Vladivostok
				Nakhodka		Operational	
Saudi Arabia	Jeddah	SAMCC	Operational	Jeddah	(Dual LEOLUT system)	Operational	N.I.
Singapore	Singapore	SIMCC	Operational	Singapore		Operational	Singapore Port Operations Control Centre

Ground Segment Operator	MCC			LUT			RCC Associated
	Location	Designator	Status of implementation	Location	Type (LEO, GEO, MEO)	Status of implementation	
South Africa	Cape Town	ASMCC	Operational	Cape Town		Operational	MRCC Cape Town
Spain	Maspalomas	SPMCC	Operational	Maspalomas		Operational	RCC Madrid RCC Balears RCC Canarias (Part of RCC Cape Town)
Thailand	Bangkok	THMCC	Operational	Bangkok	(Dual LEOLUT system)	Operational	RCC Bangkok
Turkey	Ankara	TRMCC	Operational	Ankara	LEO/GEO/MEO (Dual LEOLUT system)	Operational	MSRCC Ankara
United Arab Emirates	Abu Dhabi	AEMCC	Operational	Abu Dhabi	LEO/GEO	Operational	JRCC Abu Dhabi
					MEO	Under trial	
United Kingdom	Fareham	UKMCC	Operational	Combe Martin	LEO/GEO	Operational	N.I.
United States	Suitland	USMCC	Operational	Alaska	(Dual LEOLUT system)	Operational	Boston, Miami, New Orleans, Cleveland, Alameda, Seattle, Honolulu, Juneau, Fort Richardson, Langley AFB: Alameda
				California	(Dual LEOLUT system)	Operational	
				Hawaii	(Dual LEOLUT system)	Operational	
				Guam	(Dual LEOLUT system)	Operational	
				Florida	(Dual LEOLUT system)	Operational	
Viet Nam	Haiphong	VNMCC	Operational	Haiphong		Operational	Viet Nam VMRCC
Associate Member Hong Kong, China	Hong Kong, China	HKMCC	Operational	Hong Kong, China	(Dual LEOLUT system)	Operational	MRCC Hong Kong

Note: LEOSAR Low Earth Orbit SAR satellite system.

LEO/GEO LEOLUTs ability to produce a Doppler location can be improved by combining LEOSAR data with GEOSAR data. The combined LEO/GEO processing allows the Cospas-Sarsat System to produce Doppler locations in some cases where the data from one LEOLUT is insufficient to produce a location and can also lead to an improvement in Doppler location accuracy.

O = Used
X = Not used

ANNEX 11

SATELLITE EPIRB REGISTRATION INFORMATION DATA

EPIRB CODING METHODS

For reference on 406 MHz EPIRB coding methods, use document C/S G.005 "Cospas-Sarsat Guidelines on 406 MHz Beacon Coding, Registration and Type Approval" available on the Cospas-Sarsat website (www.cospas-sarsat.int).

Country Code [MID]	USER PROTOCOLS				LOCATION PROTOCOLS						POINTS OF CONTACT		Frequency of updating database
	Maritime user		Serial user	Radio call sign	User location			Standard location		National location			
	MMSI	Call sign	Serial No	Call sign	MMSI	EPIRB with serial no.	Radio call sign	MMSI	Serial No.	Serial no. assigned by competent administration			
Algeria [605]	O		X	X							Commandement des Forces de la Défense Aérienne du Territoire - CFDAT	Phone: +(213) 21-49-51-02 Fax: +(213) 21-49-51-02	Daily
Argentina [701]	O		O	O							National Maritime, Fluvial and Lacustre SAR Agency Address: Base Naval Puerto Belgrano (CP 8111) Buenos Aires Republica Argentina	Phone: +54-2932-48-7162 +54-2932-48-7150 +54-2932-48-7640 +54-11-4317-2038 Fax: +54-2932-48-7163 Telex: 470100125 Inmarsat "C" Email: coopacsm@ara.mil.ar	Daily
Australia [503]	O	O	O	O	O	O	O	O	O	O	Australian 406 MHz/MMSI Database Manager Australian Maritime Safety Authority Address: Level 2, 82 Northbourne Avenue, Braddon, ACT 2612, G.P.O. Box 2181, Canberra, ACT 2601, Australia	Enquiries & Registrations Phone: +61-2-6279-5766 (int'l) 1800-406-406 (local) Fax: +61-2-9332-6323 (int'l) 1800-406-329 (local) Online registration: https://www.beacons.amsa.gov.au After hours – Emergency Only Phone: +61-2-6230-6811 (int'l) Local: 1800-641-792 Fax: +61-2-6230-6868 Email: ausbeacon@amsa.gov.au	In real time when received during business hours

Country Code [MID]	USER PROTOCOLS				LOCATION PROTOCOLS						POINTS OF CONTACT	Frequency of updating database	
	Maritime user		Serial user	Radio call sign	User location			Standard location		National location			
	MMSI	Call sign	Serial No	Call sign	MMSI	EPIRB with serial no.	Radio call sign	MMSI	Serial No.	Serial no. assigned by competent administration			
Azerbaijan [423]	O	X	O	X	X	X	X	X	X	X	Azerbaijan LRIT National Data Centre Maritime Safety Centre, State Maritime Administration Address: 2B, Khanlar str., Baku city , AZ 1003, Republic of Azerbaijan	Phone: (+994 12) 492-06-06 /497-44-05(ext.112) Fax: (+994 12) 492-06-42 E-mail: security@ardda.gov.az; security@mm.ardda.gov.az; lrit@ardda.gov.az; lrit@mm.ardda.gov.az	Upon the receiving appropriate information
Bahamas (The) [308] [309] [311]	O		X	X							Bahamas Maritime Authority Address: 120 Old Broad Street, London EC2N 1AR, United Kingdom	Phone: +44-1326-317575 Fax: +44-1326-318342 Telex: 45560 (FALMCG G)	Continuous
Belgium [205]	O		X	X							Oostende Radio Commcenter Address: Graaf Jansdijk 1, B-8380 Zeebrugge, Belgium	Phone: +32-50 558241 Fax: +32-50 558748 Email: rmd@mil.be	Weekly
Bermuda (United Kingdom) [310]	O		X	X							Department of Telecommunications Address: Golinsky Building, 60 Reid Street, Hamilton HMIR P.O. Box HM101 Hamilton HMAX, Bermuda	Phone: +1-441-292-4595 Fax: +1-441-295-1462	As required

Country Code [MID]	USER PROTOCOLS				LOCATION PROTOCOLS						POINTS OF CONTACT	Frequency of updating database
	Maritime user		Serial user	Radio call sign	User location			Standard location		National location		
	MMSI	Call sign	Serial No	Call sign	MMSI	EPIRB with serial no.	Radio call sign	MMSI	Serial No.	Serial no. assigned by competent administration		
Brazil [710]	O		O	O							BRMCC – CINDACTA UNO – SHIS Address: QI 05 Área Especial 12 Lago Sul – Brasília – DF CEP 71615600, Brazil Phone: +55-61-33652964 & +55-61-33648395 Fax: +55-61-3652964 AFTN: SBBRZSZX Email: brmcc@cindacta.aer.mil.br	Continuously Revision is done biannually
Bulgaria [207]	X		O	O							Bulgarian Maritime Administration, EA Address: 9, Dyakon Ignatij str., 1000 Sofia, Bulgaria Phone: +359-2-9300927 Fax: +359-2-9300920	Every month
Canada [316]	X	X	O	X	X	X	X	X	O	X	Address: Canadian Beacon Registry CFB Trenton, P.O. Box 1000 Stn Forces, Astra, ON K0K 3W0, Canada Phone: +1-877-406 7671 Fax: +1-877-406 3298 Email: cbr@sarnet.dnd.ca Web: www.cbr-rcb.ca	Daily with 365 day annual review
Chile [725]	O							O			Dirección de Seguridad y Operaciones Marítimas – (DIRSOMAR) Address: Subida Cementerio No. 300 Playa Ancha, Valparaíso, Chile Phone: +56-32-2208638 Fax: +56-32-2208639 Email: mrcchile@directemar.cl	Continuously
China [412]	O		N.I.	N.I.							China Maritime Search and Rescue Centre Address: 11 Jianguomennei Ave. Beijing 100736, China Phone: +86-10-65292221 Fax: +86-10-65292218 Telex: 222258 CMSAR CN	As required
Colombia [730]	N.I.		N.I.	N.I.							Departamento Administrativo de Aeronáutica Civil Address: Bogotá, Colombia Phone: +57-1-4139598 Fax: +57-1-4139638 Telex: 35-44844/44620	N.I.

Country Code [MID]	USER PROTOCOLS				LOCATION PROTOCOLS						POINTS OF CONTACT	Frequency of updating database
	Maritime user		Serial user	Radio call sign	User location			Standard location		National location		
	MMSI	Call sign	Serial No	Call sign	MMSI	EPIRB with serial no.	Radio call sign	MMSI	Serial No.	Serial no. assigned by competent administration		
Costa Rica [321]	N.I.		N.I.	N.I.							Central America Search and Rescue Point of Contact Fax: +55-21-2200515 Telex: 3912137113	N.I.
Croatia [238]	O		X	X							MRCC Rijeka Address: Senjsko Pristaniste 3 51000 Rijeka, Croatia Phone: +385-9155 +385-51-312 253 +385-51-312 255 Fax: +385-51-312 254 Telex: 599 24 634 Email: mrcc@pomorstvo.hr	Every 10 days
Curacao [306]											Bureau Telecommunicatiezaken en Post, Regulatory Authority of Curacao Registration, Beacon Coding Address: Beatrixlaan 9, Emmastad P.O. Box 2047, Curacao Phone: (599 9) 839 3333 Fax: (599 9) 868 9924	
Cyprus [209] [210] [212]	O	X	X	X							JRCC LARNACA Address: 50, Spyrou Kyprianou Avenue Irida No 3, 11th floor 6057, Larnaca Cyprus (For 24 hours contact) Phone: +357-24643005 Fax: +357-24643254 Inmarsat-C: 421099999 RCCY AFTN: LCLKYCYX Email: jrcc_cyp@cytanet.com.cy rescuecy@gmail.com	Continuously
Denmark [219] [220]	O	X	X	X							Registration: Danish Maritime Authority Carl Jacobsens Vej 31 DK-2500 Valby, Denmark Phone: +45 72 19 60 00 Fax: +45 72 19 60 01 Email: sfs@dma.dk	Continuous
											H24 – 406 MHz SPOC contact: JRCC Denmark – Danish Defence Command Phone: +45 72 85 03 81 Fax: +45 72 85 03 84 Email: jrcc@sok.dk	

Country Code [MID]	USER PROTOCOLS				LOCATION PROTOCOLS						POINTS OF CONTACT		Frequency of updating database
	Maritime user		Serial user	Radio call sign	User location			Standard location		National location			
	MMSI	Call sign	Serial No	Call sign	MMSI	EPIRB with serial no.	Radio call sign	MMSI	Serial No.	Serial no. assigned by competent administration			
											Address: Navy Staff, Herningvej 30 DK-7470 Karup J, Denmark		
Ecuador [735]	N.I.		N.I.	N.I.							Dirección General de la Marina Mercante y del Litoral	Phone: +593-4-2321602 Fax: +593-4-2324714 Telex: 3325/2512 (ESTHCG ED)	N.I.
Egypt [622]	O		O	X							National Telecom Regulatory Authority Address: B-4I28, Cairo-Alex Desert Rd., Giza, Egypt	Phone: +20235344210 Fax: +20235344155 Email: nahedh@tra.gov.eg	During business time, continuous
El Salvador [359]	N.I.		N.I.	N.I.							Central America Search and Rescue Point of Contact	Fax: +55-21-2200515 Telex: 3912137113	N.I.
Estonia [276]	O		X	X							JRCC Tallinn Address: Süsta 15, 11712 Tallinn Estonia	Phone: +372-619-1224 Fax: +372-692-2501 Email: JRCC@politsei.ee	Continuous
Fiji [520]	O		O	O							N.I.		N.I.
Finland [230]	O		X	X							Finnish Communications Regulatory Authority Address: PO Box 313, FIN-00181 Helsinki, Finland	Phone: +358-9-69-661 Fax: +358-9-69-66410 Email: radiotaajuudet@ficora.fi	Daily
France [226], [347] [227], [361] [228], [660] [329], [745]	O		X	X							National agency of frequencies Address: Département Licences et Certificats 4 rue Alphonse Matter, BP 8314, 88108 Saint-Dié-Des-Vosges Cedex, France	Phone: +33-3-29-42 20 00 +33-3-29 42 20 68 Fax: +33-3-21-877855 Telex: 130680 Inmarsat-C: 422799256 Email: licence@anfr.fr AFTN: LFINZPZX	Daily

Country Code [MID]	USER PROTOCOLS				LOCATION PROTOCOLS						POINTS OF CONTACT	Frequency of updating database
	Maritime user		Serial user	Radio call sign	User location			Standard location		National location		
	MMSI	Call sign	Serial No	Call sign	MMSI	EPIRB with serial no.	Radio call sign	MMSI	Serial No.	Serial no. assigned by competent administration		
Georgia [213]	O	O		O							Maritime Transport Agency Address: 23, Ninoshvili str. Batumi, 6000, Georgia Phone: +995 577 221 622 +995 422 274 925 ex 25/24 work hrs +995 422 273 905 Fax: Email: fsi@mta.gov.ge	When new numbers are issued
Germany [211] [218]	O		X	X							MRCC Bremen Phone: +49-42153 6870 Fax: +49-42153 68714 Telex: 244754 or 246466 (mrccd) AFTN: EDDWYYX Attn.: MRCC Bremen	Daily
Gibraltar (United Kingdom)											Gibraltar Port Authority Address: North Mole Road Gibraltar, GX11 1AA Phone: +350 200 61743 Fax: +350 200 77011 Email: ops@port.gov.gi vtsm@port.gov.gi	Weekly
Greece [237] [239] [240] [241]	O	X	X	X	X	X	X	O	X	X	JRCC Piraeus Address: Akti Vassiliadi GR-185 10 Piraeus Greece Gate E1 – E2 Phone: +30210-4112500 +30210-4220772 (emergency) +30213-1371126/ +30213-1371325/ +30213-1371704/ +30213-1371705/ +30210-4101116/ +30210-4101117/ +30210-4101118/ +30210-4101119 Fax: +30210-4191561/ +30210-4132398 Telex: +601-211588 RCC GR +601-211254 RCC GR AFTN: LGGGYCYX Inmarsat-C: Email: jrccpgr@hcg.gr	Weekly

Country Code [MID]	USER PROTOCOLS				LOCATION PROTOCOLS						POINTS OF CONTACT		Frequency of updating database
	Maritime user		Serial user	Radio call sign	User location			Standard location		National location			
	MMSI	Call sign	Serial No	Call sign	MMSI	EPIRB with serial no.	Radio call sign	MMSI	Serial No.	Serial no. assigned by competent administration			
Greenland (Denmark) [331]	O	X	X	X							Registration: Radio Administration Address: Box 689, GL-3900 Nuuk Greenland H24 – 406 MHz SPOC contact: JRCC Denmark – Danish Defence Command Address: Navy Staff, Heringvej 30 DK-7470 Karup J, Denmark	Phone: +299 32 80 33 Fax: +299 32 78 50 Email: radioforvaltningen@nanoq.gl Phone: +45 72 85 03 81 Fax: +45 72 85 03 84 Email: jrcc@sok.dk	Continuous
Iceland [251]	O		X	X							Post and Telecom Administration Address: Suourlandsbraut 4 2.h. 108 Reykjavik, Iceland	Phone: +354-5101500 Fax: +354-5101509 Email: pfs@pfs.is Open weekdays between 08:00 – 16:00 UTC	N.I.
India [419]	N.I.		N.I.	N.I.							Satellite Communications Programmes, Department of Space Address: ISRO Headquarters, Antariksh Bhaven, New B.E.L. Road, Bangalore – 560 094, India	Phone: +91-80-334273 +91-80-334474 Fax: +91-80-334229 Telex: 81-8452499	N.I.
Indonesia [525]	N.I.		N.I.	N.I.							Department of Transportation National SAR Agency (BASARNAS) Address: JI Merdeka Timur No.5 Jakarta, Indonesia	Phone: +62-21-34832881 Fax: +62-21-34832884 Telex: +62-21-44025 Email: basarnas@basarnas.go.id Web: http://basarnas.go.id	N.I.
Iran, (Islamic Republic of) [422]	O										N.I.	N.I.	

Country Code [MID]	USER PROTOCOLS				LOCATION PROTOCOLS						POINTS OF CONTACT			Frequency of updating database
	Maritime user		Serial user	Radio call sign	User location			Standard location		National location				
	MMSI	Call sign	Serial No	Call sign	MMSI	EPIRB with serial no.	Radio call sign	MMSI	Serial No.	Serial no. assigned by competent administration				
Ireland [250]	N.I.		N.I.	N.I.							MRCC Dublin	Phone: +353-1-6620922 Fax: +353-1-6620795 Telex: 500 93039 (IMES EI) AFTN: EIDWIMES	N.I.	
Israel	O		O								Ministry of Communication Haim Sacharovitz +97235198145,NA,NA, +97235107587 www.406registration.com	Phone: +97248632145 Email: rcc@mot.gov.il	It is self updated by owners	
Italy [247]	O		O	O							ITMCC Address: Via D'Annunzio, 7 Bari Palese, Italy	Phone: +39-80-5316250 Fax: +39-80-5316254 Telex: 811375 AFTN: CIBD252X Email: itmcc@pangeanet.it	Weekly	
Japan [431]	O		X	X							Japan Mission Control Centre (JAMCC) Japan Coast Guard Address: 2-1-3 Kasumigaseki, Chiyoda-ku, Tokyo 100-8976, Japan	Phone: +81-3-3591-6106 Fax: +81-3-3591-6107 Telex: 2225193 (JMSAHQJ) AFTN: RJTTYKYX Email: jamcc@kaiho.mlit.go.jp	Regularly	
Kazakhstan [436]	N.I.		N.I.	N.I.							Public utility company on right of economic management "Almaty Rescue Service" of Akim apparatus of Almaty city - Aviation Rescue Service	Phone: 8 (727) 273-99-20 8 (727) 234-76-13 Email: ASRS109@gmail.com	Every two years	
Latvia [275]	O		X	X							MRCC Riga Address: Meldru 5a, Riga LV-1015 Latvia	Phone: +371-67323103 +371-67082070 Fax: +371-67320100 +371-29270690 Email: sar@mrcc.lv	Continuously	

Country Code [MID]	USER PROTOCOLS				LOCATION PROTOCOLS						POINTS OF CONTACT		Frequency of updating database
	Maritime user		Serial user	Radio call sign	User location			Standard location		National location			
	MMSI	Call sign	Serial No	Call sign	MMSI	EPIRB with serial no.	Radio call sign	MMSI	Serial No.	Serial no. assigned by competent administration			
Lithuania [277]	O		O	O							Naval Forces of the Lithuanian Armed Forces Maritime Rescue Coordination Centre (MRCC) Address: Naujoji uosto str. 24 LT-92244 Klaipėda, Lithuania	Phone: +370-46-391257 +370-46-391258 Fax: +370-46-391259 Email: mrcc@mil.lt	Regularly
Malaysia [533]	O		O	O							MRCC Port Klang Marine Department Malaysia Safety of Navigation Division Address: P.O. Box 12, 42007 Port Klang, Malaysia	Phone: +60-3-3670530 +60-3-3686616 Fax: +60-3-3671334 +60-3-3685020 Email: kpgr@marine.gov.my	On receipt of registration form
Malta [215] [248] [249] [256]	O		X	X							Wireless Telegraphy Department Address: Evans Building Merchant Street Valletta CMR 02, Malta	Phone: +356-25993624 +356-247224-8 Fax: +356-232728 +356-233695 Telex: 0 406-1471 (MODMLT MW)	Continuously
Marshall Islands [538]	X		X	O							International Registries Inc. Address: 11495 Commerce Park Drive, Reston Virginia 20191 United States	Phone: +1-703-620-4880 (working hours) +1-703-620-4766 (after hours) Fax: +1-703-476-8522 Email: radio@register-iri.com	Continously
Mauritius [645]	O		X	X							N.I.	N.I.	N.I.

Country Code [MID]	USER PROTOCOLS				LOCATION PROTOCOLS						POINTS OF CONTACT	Frequency of updating database
	Maritime user		Serial user	Radio call sign	User location			Standard location		National location		
	MMSI	Call sign	Serial No	Call sign	MMSI	EPIRB with serial no.	Radio call sign	MMSI	Serial No.	Serial no. assigned by competent administration		
Mexico [345]	O		X	X							Telecomm Address: Eje Central Lázaro árdenas 567 Torre Central de Telecomunicaciones Piso 6 ala Sur, Col. Narvarte C.P. 03020, Deleg. Benito Juarez, Mexico, D.F. Phone: +525 5629 1236 (24 hours) Fax: +525 5613 2214 Email: cegg@telecomm.net.mx informat@telecomm.net.mx inge@telecomm.net.mx Web: www.telecomm.net.m/satelitales/li sta_embarcaciones	Monthly
Netherlands [244] [245] [246]	O		X	X							Ministry of Economic Affairs Agriculture and Innovation Telecom Agency The Netherlands Address: Emmasingel 1 9726 AH Groningen P.O.Box 450 9700 AL Groningen The Netherlands Phone: +31-50-587 75 55 Fax: +31-50-587 74 00 Telex: 77154 Email: info@agentschaptelecom.nl Web: www.agentschaptelecom.nl/english	Daily
New Zealand [512]	O	O	O	O	O	O	O	O	O	X	Rescue Coordination Centre New Zealand Address: Avalon Studios 41 Percy Cameron Street P.O. Box 30050 Lower Hutt 5040 New Zealand Emergency only: Phone : +644-5778030 Fax : +644-5778038 Email : rccnz@maritimenz.govt.nz Administrative points of contact: Phone: +644-5778046 Fax: +644-5778041 Email: 406registry@maritimenz.govt.nz	two year audit cycle and a five year email notification to beacon holders to check their battery status
Nicaragua [350]	N.I.		N.I.	N.I.							Central America Search and Rescue Point of Contact Phone: +55-21-2200515 Telex: 3912137113	N.I.

Country Code [MID]	USER PROTOCOLS				LOCATION PROTOCOLS						POINTS OF CONTACT		Frequency of updating database
	Maritime user		Serial user	Radio call sign	User location			Standard location		National location			
	MMSI	Call sign	Serial No	Call sign	MMSI	EPIRB with serial no.	Radio call sign	MMSI	Serial No.	Serial no. assigned by competent administration			
Norway [257] [258]	O		X	X							Telenor Maritim Radio Lisensavdelingen Address: N-1331 Fornebu, Oslo, Norway	Phone: +47-22-77 43 50 Fax: +47-22-42 70 72 Email: lisensavdeling@telenor.com	Daily
Pakistan [463]	N.I.		N.I.	N.I.							Satellite Communication Division – SPARC Address: P.O. Box 8402, Karachi 75270, Pakistan	Phone: +92-21-471001-5 +92-21-7730312 Fax: +92-21-466902 Telex: 82-25720 (SPACE PK)	N.I.
Peru [760]	X		O	X							Centro de Control de Misiones del Perú Address: Avenida Contralmirante J. Mora, Base Naval del Callao, Callao 1, Perú	Phone: +51-1-4202020 +51-1-4291547 Telefax: +51-1-4200766 Telex: +36-26042 COMOPERGUARD Email: pemcc@marina.mil.pe	Yearly
Philippines [548]	N.I.		N.I.	N.I.							Manila RCC Address: Pasay City, Metro Manila Philippines	Phone: +63-2-8323013 Fax: +63-2-8331577	N.I.
Poland [261]	O	X	X	X	O	X	X	O	X	X	Registration: ARCC Warsaw Address: 11 Kajakowa Street 02-800 Warsaw, Poland	Phone: +48 261 828 911 Fax: +48 261 828 797 Email: copdkp.arcc.waw@ron.mil.pl AFTN: EPWWYCYM	Daily
											Administrative: Civil Aviation Authority Address: 2 Marcina Flisa Street 02-247 Warsaw, Poland	Phone: +48 22 520 72 27 Fax: +48 22 520 72 26 Email: asar@ulc.gov.pl	

Country Code [MID]	USER PROTOCOLS				LOCATION PROTOCOLS						POINTS OF CONTACT		Frequency of updating database
	Maritime user		Serial user	Radio call sign	User location			Standard location		National location			
	MMSI	Call sign	Serial No	Call sign	MMSI	EPIRB with serial no.	Radio call sign	MMSI	Serial No.	Serial no. assigned by competent administration			
Portugal [204] [255] [263]	O		X	X							Direcao Geral de Recursos Naturais, Seguranca e Servicos Maritimos Address: Av Brasilia, 1449-030 Lisboa, Portugal	Phone: +351-213 035 700 Fax: +351-213 035 702 Email: dgrm@dgrm.mamaot.pt	Daily
Republic of Korea [440] [441]			X	X							Korea Coast Guard Address: 3-8 Songdo-dong Yeonsu-gu, Incheon Republic of Korea (406-741)	Phone: +82-32-835-2594 Fax: +82-32-858-9595 Telex: +801 24920 Email: komcc2@kornet.net	Once a day
Romania [264]	O		X	X							Constanta Harbour's Master Address: Incinta Port, 900900 Constanta, Romania	Phone: +40-241-615949 +40-740-183-32 +40-723-634122 Fax: +40-241-606065 +40-372-416810 Email: mrcc@rna.ro	Every 3 months
Russian Federation [273]	O		O	X							Morsviazsputnik Address: 2, bldg. 2, Krasnobogatyrskaya str. Moscow 107564 P. O. Box 28, Russia	Phone: +7-495-967 18 50 (ext. 541) +7-495-236 01 09 +7-495-236 01 10 Fax: +7-495-967 30 20 Email: cmc@marsat.ru	Daily
Senegal [663]	O										ARTP Sénégal Address: Résidence IMHOPTEP Liberté 6 Extension VDN BP: 14130 Dakar-Peytavin Senegal	Opening hours Monday to Friday: 08.00 AM to 05.00 PM UTC Phone: +(221) 33 869 03 69 Fax: +(221) 33 869 03 70 Email: contact@artp.sn	

Country Code [MID]	USER PROTOCOLS				LOCATION PROTOCOLS						POINTS OF CONTACT	Frequency of updating database
	Maritime user		Serial user	Radio call sign	User location			Standard location		National location		
	MMSI	Call sign	Serial No	Call sign	MMSI	EPIRB with serial no.	Radio call sign	MMSI	Serial No.	Serial no. assigned by competent administration		
Singapore [563] [564] [565]	O		X	O							Maritime and Port Authority of Singapore Address: 7B Keppel Road, # 19-07/09, Tanjong Pagar Complex, Singapore 089055, Singapore Phone: +6325-2493 +6325-2494 +62265539 Fax: +6224-5776 +6227-9971 Telex: RS 20021 Email: pocc@mpa.gov.sg	Monthly
Slovenia [...]											APEK Address: Stegne 7, SL-1000 Ljubljana, Slovenia Opening hours Monday to Friday: 08.30 AM to 14.00 PM UTC Phone: +386 1 583 63 00 Fax: +386 1 511 11 01 Email: info.box@apek.si	Regularly
South Africa [601]	O		O	O							MRCC Cape Town Address: PO Box 532, Parow, 7499 South Africa Phone: +27-21-938-3300 Fax: +27-21-938-3309 Telex: 095 52 1037 Email: mrcc.ct@samsa.org.za	Daily
Spain [224]	O		X	X							Area de Inspección Radiomarítima Dirección General de la Marina Mercante Address: Calle Ruíz de Alarcón 1 28071 Madrid, Spain Phone: +34-91-597-9080 +34-91-597-9275 Fax: +34-91-597-9176 Email: radiobalizas.dgmm@fomento.es	N.I.
Suriname [765]	N.I.		N.I.	N.I.							Department of Civil Aviation Address: P.O. Box 1981, Zorg en Hoop, Paramaribo South, Suriname Phone: +597-497914 Telex: +597-498898 AFTN: 148 (CIVPBM SN) SMPBYAYX	N.I.

Country Code [MID]	USER PROTOCOLS				LOCATION PROTOCOLS						POINTS OF CONTACT	Frequency of updating database
	Maritime user		Serial user	Radio call sign	User location			Standard location		National location		
	MMSI	Call sign	Serial No	Call sign	MMSI	EPIRB with serial no.	Radio call sign	MMSI	Serial No.	Serial no. assigned by competent administration		
Sweden [265] [266]	O		O	O							JRCC Sweden Address: PO Box 5158 SE-42605 Västra Frölunda Sweden Phone: +46-31-699 080 Fax: +46-31-648 010 Telex: +54 20180 mrccgbg s AFTN: ESORYCYX Email: jrcc@sjofartsverket.se	Continuous
Switzerland [269]	O		O	O							Schweizerisches Seeschiffahrtsamt Swiss Maritime Navigation Office Address: P.O. Box, Nauenstrasse 49 CH-4052 Basel, Switzerland Phone: +41-61-270-9120 Fax: +41-61-270-9129 Email: ops@rega.ch (24 hours)	N.I.
											JRCC Zurich (Joint maritime and aeronautical Rescue Coordination Center) Address: P.O. Box 1414 CH-8058 Zurich-Airport Switzerland Phone: +41-44-654-3538 (24 hours) Fax: +41-44-654-3587 (24 hours) Email: sar@rega.ch (Administrative affairs from 07.00 am until 07.00 pm)	
Thailand [567]	O		X	O							RCC Bangkok Address: 71 Soi Ngamduplee Rama IV Road Bangkok 10120 Thailand Phone: +66-2-286 0506 +66-2-286 0594 +66-2-285 9353 Fax: +66-2-287 3186 Telex: 86 22720 BKK RCC TH AFTN: VTBAYCYX	Once a month

Country Code [MID]	USER PROTOCOLS				LOCATION PROTOCOLS						POINTS OF CONTACT		Frequency of updating database
	Maritime user		Serial user	Radio call sign	User location			Standard location		National location			
	MMSI	Call sign	Serial No	Call sign	MMSI	EPIRB with serial no.	Radio call sign	MMSI	Serial No.	Serial no. assigned by competent administration			
Turkey [271]	O	O	X	O	O	X	O	O	X	X	MSRCC ANKARA Address: Gazi Mustafa Kemal Bulvari No. 128 Maltepe – Çankaya Ankara, Turkey	Phone: +90-312-231 9105 +90-312-232 4783 /2624 Fax: +90-312-232 0823 Inmarsat-C Telex: 427122324 AFTN: LTACZSZZ Email: trmcc@uma.gov.tr	Monthly
Ukraine [272]	O		X	X							State Enterprise "Marine Search and Rescue Service" Address: 140-A, Lustdorfska Doroha Str., Odessa, 65114, Ukraine	Phone: +380-48-7744258 Phone/Fax: +380-48-7850710 Email: platzerova@sar.gov.ua	Daily
United Arab Emirates [470]	N.I.		N.I.	N.I.							Telecommunications Regulatory Authority (TRA) Address: Al Salam Street, Abu Dhabi, UAE	Phone: 009712 6118451 Fax: 009712 6118484 Email: uaebeacon@tra.gov.ae	When required
United Kingdom [232] [233] [234] [235]	X		O	X							EPIRB Registry Maritime and Coastguard Agency Address: CGOC Falmouth Pendennis Point, Castle Drive, Falmouth TR11 4WZ United Kingdom	Phone: +44-1326-211569 Fax: +44-1326-319264 Telex: 45560	Daily
United States [303], [338] [358], [366] [367], [368] [369], [379] [536], [559]	X		O	X							NOAA/SARSAT Address: NSOF, E/SPO53 1315 East West Hwy Silver Spring, MD 20910 United States	Phone: +1-301-817-4515 or +1-888-212-7283 Fax: +1-301-568-8649 Telex: 230-7400649 Online registration: http://beaconregistration.noaa.gov	Daily

Country Code [MID]	USER PROTOCOLS				LOCATION PROTOCOLS						POINTS OF CONTACT	Frequency of updating database
	Maritime user		Serial user	Radio call sign	User location			Standard location		National location		
	MMSI	Call sign	Serial No	Call sign	MMSI	EPIRB with serial no.	Radio call sign	MMSI	Serial No.	Serial no. assigned by competent administration		
Vanuatu [576]	O		X	X							Vanuatu Maritime Services Address: 42 Broadway, Suite 1200-18 New York NY 10004 United States Phone: +1-212-425 9600 Fax: +1-212-425 9652 Telex: 229346 Van Mar Svcs Email: email@vanuatuships.com	N.I.
Associate Member Faroes [231]	O	X	X	X							Registration: Telecommunications Authority Skálatrøð 20, P.O. Box 73 FO-110 Tórshavn Faroe Islands Phone: +298 35 60 20 Fax: +298 35 60 35 Email: fse@fse.fo	Daily
											H24 – 406 MHz SPOC contact: JRCC Denmark – Danish Defence Command Address: Navy Staff, Herningvej 30 DK-7470 Karup J, Denmark Phone: +45 72 85 03 81 Fax: +45 72 85 03 84 Email: jrcc@sok.dk AFTN: EKMCYCYX	
Associate Member Hong Kong, China [477] [477]	O	O	X	O	O	X	O	O	X	X	Maritime Rescue Coordination Centre, Hong Kong, China Address: G.P.O. Box 4155 Hong Kong, China Phone: +852-22337999 Fax: +852-25417714 Telex: 802-82952 MRCC HX AFTM: VHHHYKYX Email: hkmrcc@mardep.gov.hk	Daily

406 MHz PLB CODING METHODS AND NATIONAL POINTS OF CONTACT

Country code	USER PROTOCOLS	LOCATION PROTOCOLS			POINTS OF CONTACT
	Serial user	User Location	Standard location	National location	
	PLB with serial number	PLB with serial number		Serial number assigned by competent administration	
Australia [503]	O	O		O	
Azerbaijan [423]	O	X		X	
Canada [316]	O	O		X	
Chile [725]	O	O			a. Regulatory Administration/Maritime. Dirección de Seguridad y Operaciones Marítimas (DIRSOMAR) Subida Cementerio N°300, Playa Ancha, Valparaíso, Chile. Phone: +56-32-2208694 / +56-32-2208648 Fax: +56-32-2208695 Email: telecomunicacionessim@directemar.cl b. Regulatory Administration/Maritime Dirección General de Aeronáutica Civil/DGAC (DPA – DA), Santiago Chile Phone : +56-2-29764042 / +56-2-24392000 Fax : +56-2-24368143
Cyprus [209]	X	X		O	Ministry of Transport, Communications and Works Department of Merchant Shipping Address: Kyllinis Street, 4007, Mesa Geitonia, Lemesos Postal Address: P.O. Box 56193, 3305, Lemesos, Cyprus Phone : +357 25 848100 Fax: +357 25 848200 Email: maritimeadmin@dms.mcw.gov.cy
Greece [237] [239] [240]	O	O		O	GRMCC Address: Akti Vassiliadi, Gate E1-E2, GR-185 10 Piraeus Greece Phone: +30210-4082690, +30210-4082692 Fax: +30210-4082870, Email: grmcc@hcg.gr
New Zealand [512]	O	O		O	

Country code	USER PROTOCOLS	LOCATION PROTOCOLS			POINTS OF CONTACT
	Serial user	User Location	Standard location	National location	
	PLB with serial number	PLB with serial number	Serial number assigned by competent administration		
Poland [261]	O	O	X	ARCC Warsaw (to register) 11 Kajakowa Street, 02-800 Warsaw, Poland Phone: +48 261 828 911 Fax: +48 261 828 797 Email: copdkp.arsc.waw@ron.mil.pl AFTN: EPWWYCYM Civil Aviation Authority (Admin.) 2 Marcina Flisa Street, 02-247 Warsaw, Poland Phone: +48 22 520 72 27 Fax: +48 22 520 72 26 Email: asar@ulc.gov.pl	
Turkey [271]	O	O	X		
Associate Member Hong Kong, China [477]	O	O	X		

ANNEX 12

LIST OF 24-HOUR POINTS OF CONTACT FOR MARITIME MOBILE SERVICE IDENTITIES (MMSI)

Country [MID]	24-hour point of contact (Agency maintaining national database for MMSI-number)		Frequency of updating MMSI database	
			National database	ITU database*
Algeria [605]	Agence Nationale de Radionavigation Maritime Address: Siège social Ministère des PTIC, 4, Bd Krim Belkacem Telemly, Alger, Algeria	Phone: +(213) 021-71-12-20 poste 2400 Fax: +(213) 021-74-26-90	N.I.	N.I.
Argentina [701]	National Maritime, Fluvial and Lacustre SAR Agency, Address: Base Naval Puerto Belgrano (CP 8111) Buenos Aires República Argentina	Phone: +54-2932-48-7162/ +54-2932-48-7150 +54-2932-48-7640/ +54-11-4317-2038 Fax: +54-2932-48-7163 Telex: 470100125 Inmarsat-C Email: coopacsm@ara.mil.ar	Daily	Monthly
Australia [503]	Australian 406 MHz / MMSI Database Manager Australian Maritime Safety Authority Address: Level 2, 82 Northbourne Avenue, G.P.O. Box 2181, Canberra, ACT 2601 Australia	Business Hours – Enquiries & Registrations: Phone: +61-2-6279-5766 (international) Local: 1800-406-406 Fax: 1800-641-792 Email: ausbeacon@amsa.gov.au After Office hours – Emergency Only: Phone: +61-2-6230-6811 (international) Local: 1800-641-792 Fax: +61-2-6230-6868 (24 hours)	In real time when received during business hours	In real time when received during business hours
Azerbaijan [423]	Azerbaijan LRIT National Data Centre Maritime Safety Centre under the State Maritime Administration of the Republic of Azerbaijan Address: 2B, Khanlar str., Baku city, AZ 1003, Republic of Azerbaijan	Phone: (+994 12) 492-06-06 /497-44-05(ext.112)/ (24/7/365) Fax: (+994 12) 492-06-42 (24/7/365) E-mail: security@ardda.gov.az; security@mm.ardda.gov.az; lrit@ardda.gov.az; lrit@mm.ardda.gov.az	Upon the receiving appropriate information	Upon the receiving appropriate information
Bahamas [308] [309] [311]	Bahamas Maritime Authority, 120 Old Broad Street, London EC2N 1AR, United Kingdom	Phone: +44 207 562 1300 (office hours) +44 7977 471 220 (emergency only) Email: reg@bahamasmaritime.com Fax: +44 207 256 5619	Continuous	Monthly
Belgium [205]	BIP / NCS Address: BIPT Ellipse Building C, Koning Albert 2 Laan 35, 1030 Brussel, Belgium	Phone: +32-2-2268800-01 Fax: +32-2-2268802 Email: info@bipt.be		
Bermuda (United Kingdom) [310]	RCC Bermuda Address: 9 Ft George Hill, St. George's GE01, Bermuda	Phone: +1-441-297-1010 Fax: +1-441-297-1530/ Telex: 3208 RCC BA Email: rccbda@ibl.bm	As required	N.I.

Country [MID]	24-hour point of contact (Agency maintaining national database for MMSI-number)		Frequency of updating MMSI database	
			National database	ITU database*
Bulgaria [207]	MRCC Varna Address: Bulgarian Maritime Administration, EA, 5, Primorski bul., 9000 Varna, Bulgaria	Phone: +359-52-603268 Fax: +359-52-603265 Email: mrcc_vn@marad.bg	Monthly	3-Months
Brazil [710]	ANATEL Address: Gerência Geral de Serviços Privados de Telecomunicações SAUS Q-6 B-E 7º andar, Brasília – DF, CEP 70070940, Brazil	Phone: +55-61-33122390 Fax: +55-61-33122790 Email: baraviera@anatel.gov.br	Continuously	N.I.
Canada [316]	Industry Canada, Regulatory and Program Planning, Address: 300 Slater Street, Ottawa, Ontario K1A 0C8, www.ic.gc.ca http://www.ic.gc.ca/eic/site/icgc.nsf/eng/home	Phone: 613-998-3793 Fax: 613-952-5108 Email: MMSI@ic.gc.ca Monday to Friday, 1300-2100 UTC only	Daily	Weekly
Cape Verde [617]	Ministério das Infra-estruturas, Transportes e Mar Agência Nacional das Comunicações Address: CP No. 892, Praia – Santiago, Cape Verde	Phone: +(238) 2615779 Fax: +(238) 2615780		
Chile [725]	Regulatory Administration/Maritime Address: Dirección de Seguridad y Operaciones Marítimas, Subida Cementerio No.300, Playa Ancha, Valparaíso, Chile	Phone: +56-32-2208638/2208639 Fax: +56-32-2208662 Email: mrcchile@directemar.cl	Continuously	Monthly
	Regulatory Administration/Maritime Address: Dirección General del Aeronáutica Civil/DGAC (DPA – DA), Santiago, Chile	Phone: +56-2-29764042 / +56-2-24392000 Fax: +56-2-24368143		
China [412]	China Maritime Search and Rescue Centre Address: 11 Jianguomennei Ave. Beijing, 100736, China	Phone: +86-10-65292221/ +86-10-65292218 Fax: +86-10-65292245 Telex: 222258 CMSAR CN Email: cmrcc@msa.gov.cn	As required	N.I.
Croatia [238]	MRCC Rijeka Address: Senjsko Pristanište 3 51000 Rijeka Croatia	Phone: +385-9155 +385-51-312 255/ +385-51-312 253 Fax: +385-51-312 254 Telex: +599 24 634 Email: mrcc@pomorstvo.hr	Every 10 days	N.I.
Curacao [306]	RCC Curacao Marine Basis Parera, Florence Nightingaleweg, Willemstad, Curacao	Phone: (599 9) 83 93 333 Fax: (599 9) 86 89 924		
Cyprus [209] [110]	JRCC Larnaca Address:	Phone: +357 24643005/ +35 1441 Fax: +357-24643254 Inmarsat-C: 421099999	Daily	N.I.

Country [MID]	24-hour point of contact (Agency maintaining national database for MMSI-number)		Frequency of updating MMSI database	
			National database	ITU database*
[212]	50, Spyrou Kyprianou, Avenue Irida No. 3, 11th floor 6057, Larnaca Cyprus	AFTN: LCLKYCYX		
Denmark [219] [220]	JRCC Denmark Address: Danish Defence Command, Navy Staff, Herningvej 30, DK-7470 Karup J, Denmark	Phone: +45 72 85 03 81 Fax: +45 72 85 03 84 Email: jrcc@sok.dk	Daily	Daily
	Danish Maritime Authority, Address: Carl Jacobsens Vej 31, DK-2500 Valby, Denmark	Phone: +45 72 19 60 00 Fax: +45 72 19 60 01 Email: sfs@dma.dk		
Estonia [276]	Estonian Technical Regulatory Authority (open M-Th 8.30 - 16.15, F 8.30 -16.00) Address: 23A Sõle, 10614 Tallinn, Estonia	Phone: +372-667-2000 Fax: +372-667-2001 Email: info@tja.ee	Every week	As often as the new data is received
Fiji [520]	N.I.		N.I.	N.I.
Finland [230]	MRCC Turku Address: PL 16, 20101, Turku, Finland	Phone (Alert) +358-204 1001 Tel +358-718 720 100 Tel Mas +358-718 720 111 Fax: +358-718 720 109 Inmarsat-C: 423002211 (AOR-E)	N.I.	Twice a year
France [226] [227] [228] Guadeloupe [329] Martinique [347] Saint Pierre et Miquelon [361] Réunion [660] French Guiana [745]	CROSS Gris-Nez Address: Le Cap Gris Nez 62179 Audinghen France	Phone: +33-3-21-872187 Fax: +33-3-21-877855 Telex: 130680 Inmarsat-C: 422799256 Email: gris-nez@mrccfr.eu AFTN: LFINZPZX	Daily	N.I.
Georgia [213]	Maritime Transport Agency - Georgian National Communications Commission Address: Maritime Transport Agency, 23, Ninoshvili Str., Batumi 6000, Georgia	Phone: +995 577 221 622 +995 422 274 925 ex.25/24-work hrs Fax: +995 422 273 905 Email: fsi@mta.gov.ge	When new numbers are issued	Annually
Germany [211] [218]	Deutsche Gesellschaft zur Rettung Schiffbrüchiger MRCC Bremen Address: Postfach 10 63 40, 28063 Bremen, Germany	Phone: +49-421-53-6870 Fax: +49-421-53-68714 Telex: 244754 or 246466 (mrccd) AFTN: EDDWYYX Attn.: MRCC Bremen	Daily	Once a month

Country [MID]	24-hour point of contact (Agency maintaining national database for MMSI-number)		Frequency of updating MMSI database	
			National database	ITU database*
Gibraltar (United Kingdom) [N.I.]	Gibraltar Port Authority Address: North Mole, Gibraltar, GX11 1AA	Phone: +350 200 61743/ Fax: +350 77011 Email: ops@port.gov.gi/ vtsm@port.gov.gi		Regularly
Greece [237] [239] [240] [241]	Hellenic Ministry of Economy, Infrastructure, Shipping and Tourism Address: Akti Vassiliadi GR-185 10 Piraeus Greece	Phone: +30210-4112500/+30210-4220772 (emergency) +30213-1371126/ +30213-1371325 / +30213-1371704/ +30213-1371705/ +30210-4101116/ +30210-4101117 / +30210-4101118/ +30210-4101119 Fax: +30210-4191561/ +30210-4132398 Telex: +601-211588 RCC GR +601-211254 RCC GR AFTN: LGGGYCYX Email: jrccpgr@hcg.gr	Regularly	Regularly
Greenland (Denmark) [331]	JRCC Greenland Address: Danish Defence Command, Arctic Command, Aalisartut Akqutaa 47, GL-3900 Nuuk, Greenland	Phone: +299 36 40 00 Fax: +299 36 40 99 Email: jrcc@jrcc.gl	[N.I.]	[N.I.]
	Agency maintaining national database for MMSI-number: Radio Administration Box 689, GL-3900 Nuuk, Greenland	Phone: +299 32 80 33 Fax: +299 32 78 50 Email: radioforvaltningen@nanog.gl		
Iceland [251]	MRCC Reykjavik	Phone: +354-545 2100 Urgency: +354-511 3333 Fax: +354-545 2001 Email: sar@lhg.is (Open 24 hrs.)	[N.I.]	[N.I.]
Iran (Islamic Republic of) [422]	PMO Address: Building, South Didar Street, Shahid Haghani Highway, Vanak Square Tehran, Iran, (Islamic Republic of)	Phone: +98 21 84932149-6 Email: khorsandi@pmo.ir shokoohi@pmo.ir	Continuously	Yearly
Israel	Address: rcc@mot.gov.il	Phone: +972 4 8632073 Fax: +972 4 8632117 Email: rcc@mot.gov.il	Quarterly	
Italy [247]	Ministero dei Trasporti e della Navigazione Comando Generale delle Capitanerie di Porto – IMRCC Address: Via dell'Arte No.16, 00144 Roma / EUR, Italy	Phone: +39-6-5924145/5923569 Fax: +39-6-5922737/59084793 Telex: +39-43-611172/614103 Email: cogecap3@flashnet.it	Real time	[N.I.]

Country [MID]	24-hour point of contact (Agency maintaining national database for MMSI-number)		Frequency of updating MMSI database	
			National database	ITU database*
Japan [431]	Administration Division Guard and Rescue Department Japan Coast Guard Address: 2-1-3 Kasumigaseki, Chiyoda-ku, Tokyo 100-8976, Japan	Phone: +81-3-3591-9000 / +81-3-3591-9000 Fax: 2225193 (JMSAHQJ) RJTTYKYX	Regularly	Once in three months
Kazakhstan [436]	Search and rescue in Kazakhstan	Phone: +8 (727) 274-11-39/ 8 (727) 327-29-79 Email: cospassarsatzk@gmail.com/ cospassarsatzk@mail.ru		On a quarterly basis
Latvia [275]	MRCC Riga Address: Meldru 5a, Riga LV-1045, Latvia	Phone: +371-67323103 / +371-67082070 Fax: +371-67320100 / +371-29270690 Email: sar@mrcc.lv	Continuously	Regularly
Lebanon	Direction de l'Exploitation Im. Central Nahr – Mar Mikhael	Phone: +961-5-461885 Fax: +961-5-451155 Telex: 40500 LE	Rarely	Rarely
Lithuania [277]	Naval Forces of the Lithuanian Armed Forces, Maritime Rescue Coordination Centre (MRCC) Address: Naujoji uosto str. 24, LT-92244 Klaipėda, Lithuania	Phone: +370-46-391257/ +370-46-391258 Fax: +370-46-391259 Email: mrcc@mil.lt	Regularly	N.I.
Malaysia [533]	Jabatan Telekomunikasi Malaysia Kementerian Tenaga, Telecom dan Multimedia Address: Wisma Damansara, Jalan Semantan, 50668 Kuala Lumpur, Malaysia	Phone: +60-3-2575100 Fax: +60-3-2530508 Telex: GENTEL MA 28020 Email: jtmhq@tm.net.my	On issue of MMSI	Annually
Malta [215] [248] [249] [256]	Wireless Telegraphy Dept. Address: Evans Building, Merchants Street, Valletta CMR 02, Malta	Phone: +356-25993624/ +356-247224-8 Fax: +356-232728/ +356-233695 Telex: 0 406-1471 (MODMLT MW)	Continuously	Periodically
Marshall Islands [538]	International Registries, Inc. Address: 11495 Commerce Park Drive, Reston, Virginia 20191, United States	Phone: +1-703-620-4880 (working hours) +1-703-476-3762 (after hours) Fax: +1-703-476-8522 (working hours) +1-703-860-2284 (after hours) Email: radio@register-iri.com	Continuously	Monthly
Mauritius [645]	Mauritius Telecommunications Authority Address: Blendax House, 6th Floor, Dumas Street, Port Louis, Mauritius	Phone: +211 0839 / +208 5950 Fax: +211 0838 Email: 3bm.mrs@mauritiustelecom.com	Yearly	Yearly
Mexico [N.I.]	N.I.	Phone: +525 5629-12 36 Fax: +525 5613-22 14 Email: cegg@telecomm.net.mx informat@telecomm.net.mx inge@telecomm.net.mx www.telecomm.net.mx/satelites/lista_embarcaciones	Monthly	Annually

Country [MID]	24-hour point of contact (Agency maintaining national database for MMSI-number)		Frequency of updating MMSI database	
			National database	ITU database*
Netherlands [244] [245] [246]	Netherlands Coastguard Centre/JRCC Den Helder MHKC Building Nieuwe Haven, Den Helder Address: P.O. Box 10000, 1780 CA Den Helder, The Netherlands	Phone: +31-(0) 223 542 300 Fax: +31-(0) 223 658 358 Telex: +44 71088 (KUSTW-NL) Email: ccc@kustwacht.nl Web: www.kustwacht.nl/nl/algemeen.html	Daily	Once a month
New Zealand [512]	Taupo Maritime Radio Address: Level Three, Avalon Business Centre, Percy Cameron Street, Lower Hutt New Zealand	Phone: +644 550 5280 Email: maritime@kordia.co.nz	Continuously	N.I.
Norway [257] [258] [259]	RCC Stavanger Address: RCC Southern Norway, Sikrings Bygget, 4050 Sola, Norway	Phone: +47-51646000/ +47-51517000 Fax: +47-51652334 Telex: 33163 (RCCSN) Email: operations@jrcc-stavanger	Daily	Monthly
Poland [261]	ARCC Warsaw Address: 11 Kajakowa Street, 02-800 Warsaw, Poland	Phone: +48 261 828 911 Fax: +48 261 828 797 E-mail: copdkp.arsc.waw@ron.mil.pl AFTN: EPWWYCYM	Monthly	Whenever it is necessary
	Civil Aviation Authority Address: 2 Marcina Flisa Street, 02-247 Warsaw, Poland	Phone: +48 22 520 72 27 Fax: +48 22 520 72 26 Email: asar@ulc.gov.pl		
Portugal [204] [255] [263]	Direcao Geral de Recursos Naturais, Seguranca e Servicos Maritimos Address: Av Brasilia, 1449-030 Lisboa, PORTUGAL	Phone: +351-213 035 700 Fax: +351-213 035 702 Email: dgrm@dgrm.mamaot.pt	Daily	Quarterly
	MRCC Lisboa Address: Reduto Gomes Freire, Estrada da Medrosa, 2780- 070 Oeiras, Portugal	Phone: +351-210 984 450 Fax: +351-214 401 954 Email: mrcc.lisboa@marinha.pt		
Republic of Korea [440] [441]	Radio Research Agency Address: Wonhyoro-3-ga, Yongsangu, Seoul, Republic of Korea, (140-848)	Phone: +82-02-710-6574	As needed	As needed
Romania [264]	Constanta MRCC Address: Incinta Port 900900 Constanta Romania	Phone: +40-241-601232/ +40-241-615949 Inmarsat-M (voce): 873764456360 Fax: +40-241-601223/ +40-241-606065 Inmarsat-M (fax): 873600644223 Email: mrcc@rna.ro	Every 3 months	N.I.
Russian Federation [273]	COSPAS MISSION – CONTROL CENTRE Address: Morsviazputnik, 2, Bldg.2, Krasnobogatyrskaya str, Moscow, 107564 PO Box 28, Russian Federation	Phone: +7-495-2360110 (24H) Fax: +7-495-9673020 Email: cmc@marsat.ru	Daily	N.I.

Country [MID]	24-hour point of contact (Agency maintaining national database for MMSI-number)		Frequency of updating MMSI database	
			National database	ITU database*
Senegal [663]	ARTP Sénégal Address: Résidence IMHOPTEP, Liberté 6 Extension VDN BP 14130, Dakar-Peytavin Senegal	Opening hours Monday to Friday: 08.00 AM to 05.00 PM UTC Phone: +(221) 33 869 03 69 Fax: +(221) 33 869 03 70 Email: contact@artp.sn		
Singapore [563] [564] [565]	Singapore Radio Address: Yokbrs, 380, YIO CHU KANG Road, A03-00 Singapore 805942 Singapore	Phone: +65-1800-4816231 Fax: +65-1800-4818050 Telex: 34842 Email: pocc@mpa.gov.sg	Monthly	As and when required
Slovenia [...]	APEK Address: Stegne 7 SL-1000 Ljubliana Slovenia	Opening hours Monday to Friday: 08.30 AM to 14.00 PM UTC Phone: +386 1 583 63 00 Fax: +386 1 511 11 01 Email: info.box@apek.si	Regularly	Regularly
Spain [224]	MRCC Madrid	Phone: +34-91-7559132 +34-91-7559133 Fax: +34-91-5261440 Telex: 41210/41224	Daily	N.I.
Sweden [265] [266]	JRCC Sweden Address: PO Box 5158, SE-42605 Västra Frölunda, Sweden	Phone: +46-31-699080 Fax: +46-31-648010 Telex: +54 20180 mrccgbg s AFTN: ESORYCYX Email: jrcc@sjofartsverket.se	Daily	Monthly
Thailand [567]	Post and Telegraph Department Address: Phaholyothin Soi 8, Bangkok 10400, Thailand	Phone: (66 2) 271 0151 – 60 Ext. 710 & 711	Once a month	Every two months
Turkey [271]	KIYI EMNİYETİ GENEL MÜDÜRLÜĞÜ TELSİZ İŞLETME MÜDÜRLÜĞÜ Address: Beşyol Mah. İnönü Cad. No:3/1, 34295 Sefaköy- Küçükçekmece, İstanbul, Turkey	Phone: +90-212-598-95-34 +90-212-580-98-98-130 Fax: +90-212-541-03-38 Email: telsiz@kiyiemniyeti.gov.tr INM Fleet: 773 153 964	As often as the new data is received	Monthly
Ukraine [272]	State Enterprise "Ukrainian State Centre of Radio Frequencies" Address: 15th km, Peremohy Avenue, Kyiv, 03179, Ukraine	Business Hours-Enquiries & Registrations: Phone: +380-44-4228585 Fax: +380-44-4228181 Email: centre@ucrf.gov.ua	When new numbers are issued	Regularly
United Arab Emirates [470]	Telecommunications Regulatory Authority (TRA) Address: Al Salam Street, Abu Dhabi, UAE	Phone: +9712 6118451 Fax: +9712 6118484 Email: uaebeacon@tra.gov.ae	When required	When required

Country [MID]	24-hour point of contact (Agency maintaining national database for MMSI-number)		Frequency of updating MMSI database	
			National database	ITU database*
United Kingdom [232] [233] [234] [235]	National Maritime Operations Centre Address: Unit 4 Kites Croft Business Park, Fareham, Hampshire PO14 4LW, United Kingdom	Phone: +44-344-382-0025 Fax: +44-132-984-9910 AFTN: EGQPZSZX Email: UKMRCC@hmcg.gov.uk	Daily	Monthly
United States [303], [368] [338], [369] [358], [379] [366], [536] [367], [559]	Federal Communications Commission Address: 445 12th Street SW, Washington, DC 20554, United States	Phone: +1-202-418-1122 Fax: +1-202-418-2817	Daily	Monthly
Associate Member of IMO Faroes [231]	MRCC Torshavn – Address: MRCC Torshavn / Tórshavnradio, Tinghúsvegur 64, FO-100 Tórshavn Faroes	Phone: +298 35 13 00 Fax: +298 35 13 01 Email: mrcc@mrcc.fo		
	Agency maintaining national database for MMSI-number: Telecommunications Authority Skálatrøð 20, P.O. Box 73, FO-110 Tórshavn, Faroes	Phone: +298 35 60 20 Fax: +298 35 60 35 Email: fse@fse.fo		
Associate Member of IMO Hong Kong, China [477]	Maritime Rescue Coordination Centre, Hong Kong, China Address: G.P.O. 4155 Hong Kong, China	Phone: +852-22337999 Fax: +852-25417714 Telex: 802-82952 MRCC HX AFTN: VHHHYKYX Email: hkmrcc@mardep.gov.hk	Daily	N.I.

* ITU database = ITU MARS (Maritime mobile Access & Retrieval System).
For detail, contact: "ITU TIES HELPDESK"

Address: ITU TIES, ITU Information Service Department, Place des Nations, 1211 Geneva 20, Switzerland
Tel.: +41-22-730-5054 X 400 Email: S=helpdesk; A=arcom; P=itu; C=ch
Fax: +41-22-730-5337 Internet Email: helpdesk@itu.ch

ANNEX 13

MSC.1/Circ.1382/Rev.2

REVISED QUESTIONNAIRE ON SHORE-BASED FACILITIES FOR THE GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM (GMDSS)

- 1 The Maritime Safety Committee, at its ninety-second session (12 to 21 June 2013), approved circulation of the attached revised questionnaire on shore-based facilities in the GMDSS prepared by the Sub-Committee on Radiocommunications and Search and Rescue, at its fifteenth and sixteenth sessions.
- 2 The revised questionnaire contains the revision of MSC.1/Circ.1382, annex 7, related to NAVTEX services.
- 3 Member Governments, including those which have submitted responses to MSC/Circ.684 and MSC.1/Circ.1382, as amended, are invited to provide or update, in accordance with the annexed questionnaire, the required information electronically, as far as possible, for inclusion in the GMDSS Master Plan (GMDSS.1 circular).
- 4 Administrations should submit information obtained, as appropriate, from national authorities responsible for shore-based facilities for the GMDSS, NAV/MET Area Coordinators and search and rescue authorities.
- 5 This questionnaire supersedes MSC.1/Circ.1382/Rev.1.

ANNEX 1

STATUS OF SHORE-BASED FACILITIES FOR THE GMDSS

1 Indicate in brief the status of shore-based facilities for the GMDSS, using the following indicators:

O = Operational
T = Under trial
P = Planned or to be decided

COUNTRY	COAST STATIONS						SES for RCC	MSI BROADCAST SERVICE					Cospas-Sarsat	
	DSC			Inmarsat LES				NAVTEX	SafetyNET			HF NBDP	MCC	LUT
	A1	A2	A3 & A4	B ¹	C	Inmarsat Fleet F 77			NAV	MET	SAR			

¹ With the cessation of the Inmarsat-B service, this column is no longer valid.

ANNEX 2

Sea area A1 (within range of shore-based VHF DSC coverage)

- 1 Does your Administration intend to establish sea area A1?
If not operational now, indicate the date of operation in the following table.
- 2 Do they keep full-time DSC watch on channel 70?
If not, indicate watch hours in the following table.
- 3 Indicate details of VHF stations.

YES NO
☐ ☐ Is it operational now? YES NO
☐ ☐

YES NO
☐ ☐

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on CH 70	

- (1) Monitored stations include remote-controlled stations.
 (2) Refer to resolution A.801(19). See appendix.
 (3) SD = "Distress and Safety" only, PS = Both "Public Correspondence" and "Safety and Distress".

- 4 Provide a map indicating:
- Name and location of **main** VHF stations
 - Coverage of main and monitored Transmitter & Receivers
 - Name and location of associated RCC(s)

Appendix to annex 2

IMO resolution A.801(19), annex 3, paragraph 2

Criteria for establishing GMDSS sea areas

2.3 Determination of radius A

$$A = 2.5(\sqrt{H(\text{in - metres})} + \sqrt{h(\text{in - metres})})$$

2.3.1 The following formula should be used to calculate range A in nautical miles:

H is the height of the coast station VHF receiving antenna and h is the height of the ship's transmitting antenna which is assumed to be 4 m.

2.3.2 The following table gives the range in nautical miles (NM) for typical values of H:

H h	50 m	100 m
4 m	23 NM	30 NM

2.3.3 The formula given above applies to line-of-sight cases but is not considered adequate for cases where both antennae are at a low level. The VHF range in sea area A1 should be verified by field strength measurements.

ANNEX 3

Sea area A2 (within range of shore-based MF DSC coverage)

- 1 Does your Administration intend to establish sea area A2?
If not operational now, indicate the date of operation in the following table.
- YES NO
☐ ☐
- Is it operational now? YES NO
☐ ☐
- 2 Do they keep full-time DSC watch on 2187.5 kHz?
If not, indicate watch hours in the following table.
- YES NO
☐ ☐
- 3 Indicate details of MF stations.

NAV/MET Area	Country	MF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on 2187.5 kHz	

- (1) Monitored stations include station remote-controlled stations.
 (2) Refer to resolution A.801(19). See appendix.
 (3) SD = "Distress and Safety" only, PS = Both "Public Correspondence" and "Safety and Distress".

- 4 Provide a map indicating:
- Name and location of **main** MF stations
 - Coverage of main and monitored Transmitter & Receivers
 - Name and location of associated RCC(s)

Appendix to annex 3

IMO resolution A.801(19), annex 3, paragraph 3

Criteria for establishing GMDSS sea areas

3.3 Determination of radius B

Radius B may be determined for each coast station by reference to Recommendation ITU-R P.368-9 and P.372-10 for the performance of a single side band (J3E) system under the following conditions:

Frequency	-	2182 kHz
Bandwidth	-	3 kHz
Propagation	-	ground wave
Time of day & Season	-	(Administration should determine time periods and seasons appropriate to their geographic area based on prevailing noise level)
Ship's transmitter power (PEP)	-	60 W (see footnote to regulation IV/16(c)(i) of the 1981 amendments to the 1974 SOLAS Convention)
Ship's antenna efficiency	-	25%
S/N(RF)	-	9 dB (voice)
Mean transmitter power	-	8 dB below peak power
Fading margin	-	3 dB

The range of sea area A2 should be verified by field strength measurements.

ANNEX 4

Sea areas A3 and A4 (outside sea area A2)

1 Does your Administration intend to equip one or more HF DSC station? YES ☐ NO ☐ Is it operational now? YES ☐ NO ☐
If not operational now, indicate the date of operation in the following table.

2 Do they keep full-time DSC watch on the bands? YES NO
4 MHz (4207.5 kHz)? ☐ ☐
6 MHz (6312 kHz)? ☐ ☐
8 MHz (8414.5 kHz)? ☐ ☐
12 MHz (12577 kHz)? ☐ ☐
16 MHz (16804.5 kHz)? ☐ ☐

If not, indicate watch hours in the following table.

3 Indicate details of HF stations.

NAV/MET Area	Country	HF DSC Coast Station							RCC Associated
		Name	MMSI	Position	Status of implementation	Purpose (SD*/PS)	Frequency Band*	Watch hours	

* SD = "Distress and Safety" only, PS = Both "Public Correspondence" and "Safety and Distress".

ANNEX 5

Inmarsat facilities

- 1 Does your Administration operate an Inmarsat Land Earth Station (LES)? YES ☐ NO ☐ Is it operational now? YES ☐ NO ☐
If not operational now, indicate the date of operation in the following table.

- 2 Indicate details of Inmarsat LES.

NAV/MET Area	Country	Location	Ocean Area*	Service provided (Status of Implementation / Data of operation)			RCC Associated
				Inmarsat-B ²	Inmarsat-C	Fleet F 77	

- * AOR-E = Atlantic Ocean Region – East
AOR-W = Atlantic Ocean Region – West
IOR = Indian Ocean Region
POR = Pacific Ocean Region

² At the cessation of the Inmarsat-B service, this column is no longer valid.

ANNEX 6

Rescue Coordination Centres (RCCs) using Ship Earth Stations (SESs)

- 1

Does your Administration intend to commission a ship earth station for RCC operation?

YES

NO

☐

☐
- Is it operational now?

YES

NO

☐

☐
- If not operational now, indicate the date of operation in the following table.

- 2

Indicate details of SES.

NAV/MET Area	Country	RCC		SES DETAIL			Status of implementation
		Name	Position	ID	Type	Ocean Region Accessed	

ANNEX 7

518 kHz NAVTEX service

- 1 Does your Administration operate NAVTEX service on 518 kHz? YES ☐ NO ☐ Is it operational now? YES ☐ NO ☐
If not operational now, indicate the date of operation in the following table.

- 2 Indicate details of NAVTEX stations.*

NAV/MET Area	Country	NAVTEX Coast Station	Position of Antenna ⁽¹⁾	Range (NM)	B1 Character	Transmission times (UTC)	Language	Status of implementation ⁽²⁾

* Refer to resolution A.801(19). See appendix.

490 kHz NAVTEX service

- 1 Does your Administration operate NAVTEX service on 490 kHz? YES ☐ NO ☐ Is it operational now? YES ☐ NO ☐
If not operational now, indicate the date of operation in the following table.

- 2 Indicate details of NAVTEX stations.

NAV/MET Area	Country	NAVTEX Coast Station	Position of Antenna ⁽¹⁾	Range (NM)	B1 Character	Transmission times (UTC)	Language	Status of implementation ⁽²⁾

4209.5 kHz NAVTEX service

- 1 Does your Administration operate a 4209.5 kHz NAVTEX service? YES ☐ NO ☐ Is it operational now? YES ☐ NO ☐
If not operational now, indicate the date of operation in the following table.
- 2 Indicate details of 4209.5 kHz NAVTEX stations.

NAV/MET Area	Country	NAVTEX Coast Station	Position of Antenna ⁽¹⁾	Range (NM)	B1 Character	Transmission times (UTC)	Language	Status of implementation ⁽²⁾

- (1) Position in Latitude and Longitude (degrees and minutes to two decimal places) using WGS 84 datum.
(2) Operational or planned and any short amplifying remark.

Appendix to annex 7

IMO resolution A.801(19), annex 4, paragraph 3

Criteria for use when providing a NAVTEX service

The ground-wave coverage may be determined for each coast station by reference to Recommendations ITU-R P.368-9 and P.372-10 for the performance of a system under the following conditions:

Frequency	–	518 kHz
Bandwidth	–	500 Hz
Propagation	–	ground wave
Time of day & Season	–	(Administration should determine time periods in accordance with NAVTEX time transmission table (NAVTEX Manual, figure 3) and seasons appropriate to their geographic area based on prevailing noise level.)

Transmitter power & Antenna efficiency

- (The range of a NAVTEX transmitter depends on the transmitter power and local propagation conditions. The actual range achieved should be adjusted to the minimum required for adequate reception in the NAVTEX area served, taking into account the needs of ships approaching from other areas. Experience has indicated that the required range of 250 to 400 nautical miles can generally be attained by transmitter power in the range between 100 and 1,000 W during daylight with a 60% reduction at night.)
- RF S/N in 500 Hz bandwidth – 8 dB (Bit error rate 1×10^{-2})
- Percentage of time – 90

Full coverage of NAVTEX service area should be verified by field strength measurements.

ANNEX 8

International SafetyNET service

1 Does your Administration broadcast MSI through the International SafetyNET service?

YES NO
☐ ☐

Is it operational now?

YES NO?
☐ ☐

If not operational now, indicate the date of operation in the following table.

2 Provide details of international SafetyNET service

NAV/MET Area	Type of Information	Country	LES/LESO	Ocean Region/LES ID	MSI Coastal Warning Area ⁽¹⁾ (if applicable)	Broadcast schedule (UTC)	Status of implementation
	NAV ⁽²⁾	*					
	MET ⁽³⁾	**					
	SAR ⁽⁴⁾						

(1) Provide a diagram showing limits of Coastal Warning Areas, including B₁ Codes.

(2) NAV = navigational warnings.

(3) MET = meteorological information.

(4) SAR = search and rescue alerts.

* = NAVAREA coordinator responsible for the area.

** = The issuing service nominated by WMO for METAREA services, responsible for the area.

ANNEX 9

HF Narrow Band Direct Printing (NBDP) MSI broadcast service

- 1 Does your Administration intend to broadcast MSI through HF NBDP? YES ☐ NO ☐ Is it operational now? YES ☐ NO ☐
If not operational now, indicate the date of operation in the following table.
- 2 Indicate details of HF NBDP MSI broadcast service.

Country	NBDP Coast Station	Position	Frequency Band	Schedule (UTC)	Status of implementation
			4 MHz (4210 kHz)		
			6 MHz (6425 kHz)		
			8 MHz (8416.5 kHz)		
			12 MHz (12579 kHz)		
			16 MHz (16806.5 kHz)		
			19 MHz (19680.5 kHz)		
			22 MHz (22376 kHz)		
			26 MHz (26100.5 kHz)		

ANNEX 10

Cospas-Sarsat MCC and LUT

- 1 Does your Administration intend to operate Cospas-Sarsat ground facilities? YES ☐ NO ☐ Is it operational now? YES ☐ NO ☐
If not operational now, indicate the date of operation in the following table.
- 2 Indicate details of the Cospas-Sarsat facilities.

Ground Segment Operator	MCC			LUT			RCC Associated
	Location	Designator	Status of implementation	Location	Type (LEO GEO MEO)	Status of implementation	

ANNEX 11

EPIRB registration data

406 MHz EPIRB

- 1 MID-Numbers (country codes) assigned to 406 MHz EPIRBs?
- 2 406 MHz coding currently used by the country:

EPIRB CODING METHODS

Country code	USER PROTOCOLS				LOCATION PROTOCOLS					
	Maritime user		Serial user	Radio call sign	User location			Standard location		National location
	MMSI	Radio call sign	EPIRB with serial number	Radio call sign	MMSI	EPIRB with serial number	Radio call sign	MMSI	Serial number	Serial number assigned by competent administration

PLB CODING METHODS (if applicable)

Country code	USER PROTOCOLS		LOCATION PROTOCOLS		
	Serial user		User Location	Standard location	National location
	PLB with serial number		PLB with serial number		Serial number assigned by competent administration

For reference on 406 MHz EPIRB coding methods, use document C/S G.005 "Cospas-Sarsat Guidelines on 406 MHz Beacon Coding, Registration and Type Approval" available on the Cospas-Sarsat website (www.cospas-sarsat.int).

3 EPIRB Registration Information:

3.1 Point of contact for 406 MHz EPIRB register:

Open 24 hours a day, all days of the year? YES NO
☐ ☐
 If not, specify the opening hours (UTC), days, etc.:
 name, address, telephone, Email, AFTN, telex, fax.

3.2 Administrative points of contact for 406 MHz EPIRB matters (coding, registration and type approval): name, address, telephone, Email, telex, fax.

4 How often does your Administration update the database?

ANNEX 12

Maritime Mobile Service Identities (MMSI)

- 1 MID-Numbers (country codes) assigned to equipment other than 406 MHz EPIRBs?
- 2 National database for MMSI number:
- | | | | |
|---|---|---------------------------------|--------------------------------|
| - | Same database as for 406 MHz EPIRBs?
If not, fill in the following information: | YES
☐ | NO
☐ |
| - | Address: | | |
| | Open 24 hours a day, all days of the year?
If no, specify the opening hours (UTC), days, etc.: | YES
☐ | NO
☐ |
| - | Telephone No. for database information: | | |
| - | Telefax No. for database information: | | |
| - | Telex No. for database information: | | |
| - | AFTN No. for database information: | | |
| - | Email address for database information: | | |
- 3 How often does your Administration update the national database?
- 4 How often does your Administration update the ITU database?
-