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GMDSS.1/Circ.9
30 March 2007

**MASTER PLAN OF SHORE-BASED FACILITIES FOR THE
GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM
(GMDSS MASTER PLAN)**

- 1 This circular supersedes GMDSS/Circ.8 and addenda and contains the latest information (March 2007) based on replies received from Member Governments.
- 2 To avoid confusion with the GMDSS Master Plan, it will be circulated only as a complete set from now on. Therefore, this circular is numbered as GMDSS/Circ.9. The next complete set of the GMDSS Master Plan (GMDSS/Circ.10) will be circulated after COMSAR 12.
- 3 The graphics given in annexes 1 and 11 of GMDSS/Circ.8 and addenda have been taken out because those were outdated and incorrect. It is expected that these graphics will be updated and reinserted when GMDSS/Circ.10 is circulated in 2008.
- 4 Member Governments are invited to check their national data in the annexed information for accuracy, and provide the necessary amendments, as soon as possible, and to respond to MSC/Circ.684, if they have not already done so.

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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 co-ordinating the transmission of radio navigational warnings (NAVAREA) and meteorological information (METAREA).

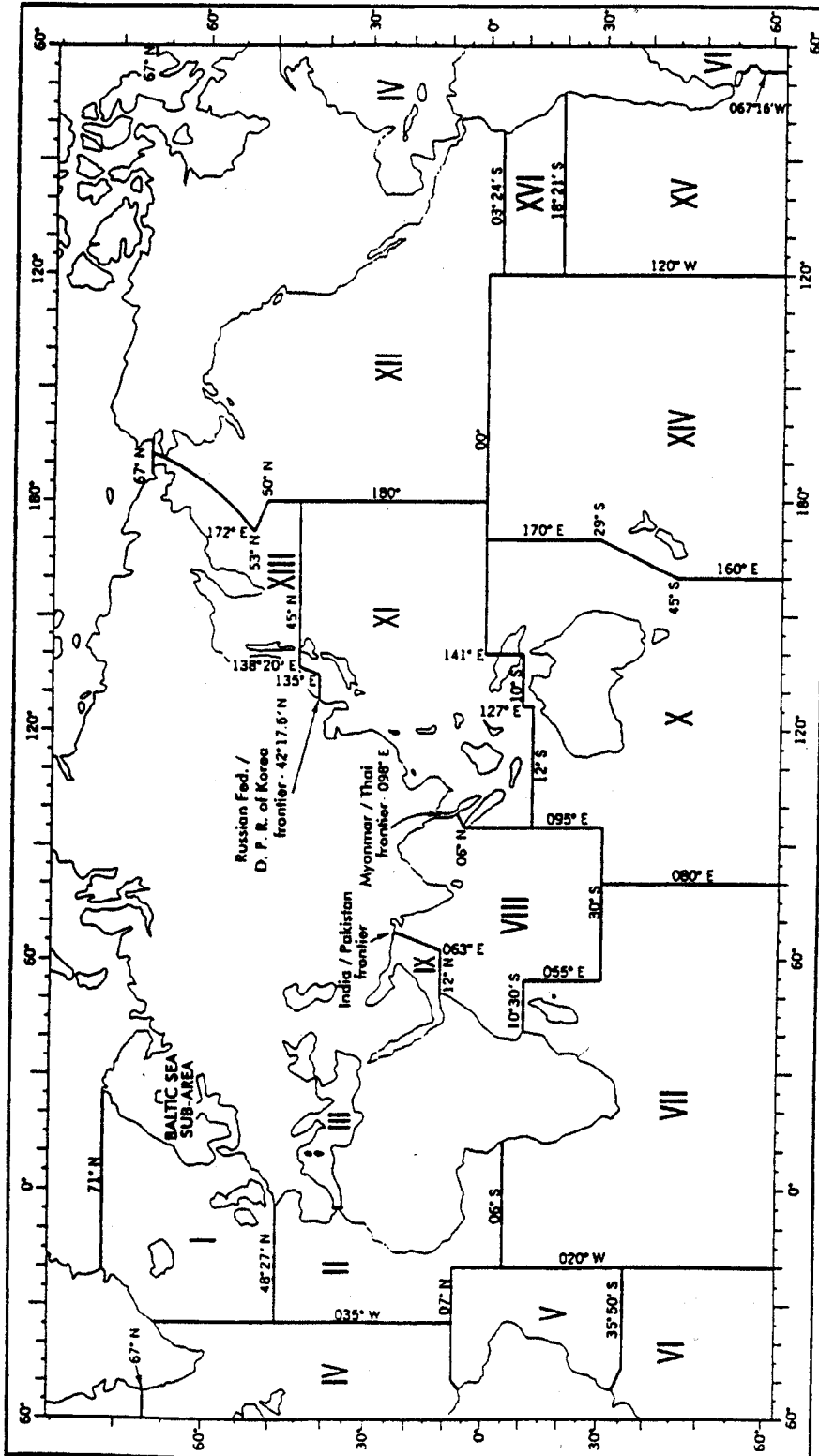
Monitor stations include remote-controlled stations.

ABBREVIATIONS

AOR-E	-	Atlantic Ocean Region-East
AOR-W	-	Atlantic Ocean Region-West
ARCC	-	Aeronautical Rescue Co-ordination 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
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 Co-ordination Centre
MRSC	-	Maritime Rescue Sub-Centre
MSI	-	Maritime Safety Information
MSS	-	Mobile-Satellite Service
NAV	-	Navigational Warnings
NBDP	-	Narrow-band direct printing
NCS	-	Network Co-ordinating 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 Co-ordination Centre
RX	-	Receiver
SES	-	Ship Earth Station
SD	-	Safety and Distress
TBD	-	To be decided
TX	-	Transmitter
UTC	-	Co-ordinated Universal Time
VHF	-	Very High Frequency

Appendix

GEOGRAPHICAL AREAS FOR CO-ORDINATING AND PROMULGATING RADIO-NAVIGATIONAL WARNINGS



THE DELIMITATION OF THESE NAVAREAS IS NOT RELATED AND SHALL NOT PREJUDICE THE DELIMITATIONS 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 ¹			INMARSAT CES ²				NAVTEX ³	SafetyNET ⁴			HF NBDP	MCC	LUT ⁵
	A1	A2	A3 & A4	A	B	C			NAV	MET	SAR			
Algeria	O	O		O	O		O	O	O	O		O	O	
Angola	P	P	P											
Argentina	O	O	O				O	O & T	O	O	O	O	O	
Australia			O	O	O	O	O "on request"		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	O	
Bulgaria	O & P	O					P	O						
Cameroon	P	P						P						
Canada	O & P	O	O	O	O	O	O	O	O	O	O	O	O	
Cape Verde	O	O	P				P	O	O	O	O			
Chile	O	O	O					O	O	O	O	O	O	
China	O	O	P	O	O	O	O	O		O		O	O	
Comoros	P	P												
Congo	P	P	P											
Côte D'Ivoire	P	P	P											
Croatia	O	O					O	O						
Cuba														
Curaçao (Netherlands)								O						
Cyprus	O	O	O				O	O		O				

COUNTRY	COAST STATIONS						SES for RCC	MSI BROADCAST SERVICE				COSPAS-SARSAT		
	DSC ¹			INMARSAT CES ²				NAVTEX ³	SafetyNET ⁴			HF NBDP	MCC	LUT ⁵
	A1	A2	A3 & A4	A	B	C			NAV	MET	SAR			
Democratic Republic of the Congo	P	P												
Denmark	O	O	O					T						
Djibouti	P	P												
Ecuador	O	O	O			O		O						
Egypt	O	O	O	O			O	O				P		
Equatorial Guinea	P													
Estonia	O	O					O & P	O						
Fiji		O	O											
Finland	O	O					O							
France	O	O		O	O	O	O	O	O	O	O		O	O
Gambia	P													
Georgia	O & P	O					P							
Germany	O						O				O			
Ghana	O	P	P											
Greece	O	O	O	O	O	O	O	O		O	O	P	P	P
Greenland (Denmark)		O						T						
Guam (United States)	P	P	O					O				O		
Guinea	P	P												
Guinea-Bissau	P	P												
Iceland		O & P	P					O						
India	O	O & P	P & O	O	O	O		O & P	O	O	O		O	O
Indonesia	O & P	O & P	O & P		O			O			O	P	O	O
Iran	O & P	P		O		O		O				O		
Ireland	O	O					P	O						
Israel							P	O						
Italy	O	O		O	O	O		O				P	O	O
Jamaica	P	P					P							

COUNTRY	COAST STATIONS						SES for RCC	MSI BROADCAST SERVICE					COSPAS-SARSAT	
	DSC ¹			INMARSAT CES ²				NAVTEX ³	SafetyNET ⁴			HF NBDP	MCC	LUT ⁵
	A1	A2	A3 & A4	A	B	C			NAV	MET	SAR			
Japan		O	O	O	O	O	P	O	O	O	O		O	O
Jordan	P	P	P											
Kenya	P	P												
Latvia	O	O					O							
Liberia	P	P	P											
Lithuania	O	O					O							
Madagascar	P	P												
Malaysia	O	O & P		O	O			O			O			
Malta	P	P	P					O						
Mauritania	P	P						P						
Mauritius	O	O	P					O		O				
Mexico	O & P	O & P	P					P						
Morocco								P						
Mozambique	P	P	P											
Myanmar	O													
Namibia								O						
Netherlands	O	O		O	O	O		O			O			
New Zealand			O			O			O	O	O	O		O
Norway	O & P	O		O	O	O		O			O		O	O
Oman	P	P	P					O						
Pakistan	P							O	O	O	O		P	O
Peru	O	O	O					O	O		O		O	O
Philippines	T	P	P				P	P						
Poland	O	O	P	O										
Portugal	P	P	P			O	P	O & P						
Republic of Korea	O	O	O	O		O		O					O	O
Romania	O	O	O					O						

COUNTRY	COAST STATIONS						SES for RCC	MSI BROADCAST SERVICE					COSPAS-SARSAT	
	DSC ¹			INMARSAT CES ²				NAVTEX ³	SafetyNET ⁴			HF NBDP	MCC	LUT ⁵
	A1	A2	A3 & A4	A	B	C			NAV	MET	SAR			
Russian Federation	O & T	O, P & T		O		O	O & P	O, P & T	O	O	O		O	O
Sao Tome and Principe	P													
Saudi Arabia	O	O & P	P	O				O					O	O
Senegal	P	P	P											
Seychelles	P	P	P											
Sierra Leone	P	P	P											
Singapore	O			O	O	O		O	O	O	O		O	O
Slovenia	O													
South Africa		P	O					O	O	O	O		O	O
Spain	O	O	O					O	O				O	O
Sudan	P	P	P											
Sweden	O	O					O	O						
Tanzania	P	P	P											
Thailand	O & P	O & P	O		O	O		O	O	O	O		O	O
Togo	P													
Tonga											P			
Turkey	O	O	O			O	O	O	O	O	O	O	O	O
Ukraine	O, T & P	T		O			O	O						
United Arab Emirates	P	P	P		O									
United Kingdom	O	O		O	O	O	O	O	O	O	O		O	O
United States	P	O & Pre-O	O	O	O	O	O	O & P	O	O	O	O	O	O
Uruguay	O	O	O			O	O	O						
Venezuela	P	P						P						
Viet Nam	O & P	O	O		O	O	P	O					T	T
Associate Member of IMO Hong Kong, China	O	O	O	O	O		O	O	O	O	O		O	O

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- (1) See Figure 1-1 for approximate locations of operational and planned Sea Areas A1, A2 and the DSC HF coast stations.
 - (2) See Figure 1-2 for locations of Inmarsat CESS.
 - (3) See Figure 1-3 for approximate locations of operational and planned NAVTEX stations.
 - (4) See Figure 1-4 for status of the International SafetyNET Services.
 - (5) See Figure 1-5 for satellite visibility area of existing LUTs.

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 AREAS 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	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		Remote			
		Main	Tenes	006052113	36°29'.00N 001°23'.00E	50		08h – 18 h			
		Monitor	Dellys	006054112	36°55'.00N 003°53'.00E	50		Remote			
		Main	Oran	006054117	35°42'.00N 000°38'.00O	50		24 hrs	CROSS Oran		
		Monitor	Mostaganem	006054118	35°56'.00N 000°06'.00E	50		Remote			
		Main	Ghazaouet	006054119	35°06'.00N 001°51'.00O	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			
		Main	Skikda	006053816	36°52'.00N 006°54'.00E	50		08h – 18h			
		Belgium	Main	Antwerpen Radio	002050485	51°13'.00N 004°23'.00E	25	Operational	PS	24 hrs	Oostende
			Main	Oostende Radio	002050480	51°11'.00N 002°48'.00E	25				
		Denmark	Main	Lyngby Radio	002191000	-	-	Operational	PS	24 hrs	SOK, Aarhus
			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						

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.)	Denmark (cont.)	Monitor	Hirtshals	002191000	57°31'.00N 009°57'.00E	31	Operational	PS	24 hrs	SOK, Aarhus	
			Hanstholm		57°06'.00N 008°39'.00E	34					
			Bovbjerg		56°31'.00N 008°10'.00E	34					
		Main	Thorshavn Radio (Faeroes)	002311000	-	-	Operational	PS	24 hrs	MRCC Thorshavn	
		Monitor	Thorshavn		62°01'.00N 006°49'.00W	56					
			Fugloy		62°20'.00N 006°19'.00W	68					
			Mykines		62°06'.00N 007°35'.00W	64					
			Suderoy	61°25'.00N 006°44'.00W	57						
		Estonia	Main	Tallinn	002761000	59°29'.42N 024°50'.33E	23	Operational	PS	24 hrs	MRCC Tallinn
			Monitor	Toila		59°24'.90N 027°31'.77E	32				
	Eisma			59°33'.54N 026°17'.14E		30					
	Aabla			59°35'.15N 025°31'.28E		30					
	Suurupi			59°27'.68N 024°22'.63E		30					
	Dirhami			59°12'.48N 023°30'.33E		30					
	Kopu			58°55'.12N 022°11'.89E		35					
	Orissaare			58°33'.57N 023°04'.12E		35					
	Undva			58°30'.62N 021°55'.65E		30					
	Torgu			57°58'.67N 022°04'.75E		28					
	Ruhnu			57°48'.20N 023°15'.48E		28					
	Tostamaa			58°18'.33N 024°00'.00E		30					
	Finland			Main		Turku	002300230				
		Monitor	Kemi	002303000	65°49'.00N 024°32'.00E	30	MRSC Vaasa				
			Hailuoto		65°02'.00N 024°36'.00E	27.4					
Kalajoki			64°18'.00N 024°11'.00E		47						
Kokkola			63°50'.00N 023°10'.00E		34						
Raippaluoto			63°22'.00N 021°19'.00E		31.8						
Kristiinankaupunki			62°16'.00N 021°24'.00E		35.6						
Pori			002301000		61°35'.97N 021°26'.84E	15.9		Operational	SD/PS	24 hrs	MRCC Turku
Rauma		61°08'.00N 021°33'.00E	28.2								
Uusikaupunki		60°48'.00N 021°23'.00E	31.8								
Geta		60°23'.10N 019°50'.85E	37.6								
Brandö		60°24'.00N 021°03'.00E	25.2								
Utö		59°47'.00N 021°22'.00E	22.7								

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.)	Finland (cont.)	Monitor	Järsö	002301000	60°01'.10N 020°00'.01E	35.6	Operational	SD/PS	24 hrs	MRCC Turku						
			Korppoo		60°10'.11N 021°32'.82E	30.3										
			Naantali		60°27'.00N 022°03'.00E	32.5										
		Monitor	Hanko	002302000	59°50'.00N 022°56'.00E	25.9	Operational	SD/PS	24 hrs	MRSC Helsinki						
			Porkkala		59°59'.00N 024°26'.00E	30										
			Santahamina/Helsinki		60°09'.02N 025°03'.04E	30										
			Sondby		60°16'.00N 025°51'.00E	25.9										
			Kotka		60°29'.04N 026°53'.83E	28.7										
			Virolahti		60°36'.00N 027°50'.00E	32.5										
	France		Main		002275100	Gris Nez					50°52'.00N 001°35'.00E	23	Operational	SD	24 hrs	MRCC Gris Nez
			Monitor			Dunkerque					51°03'.00N 002°21'.00E	22				
		Saint Frioux		50°36'.00N 001°38'.00E		38										
		L'Ailly		49°55'.00N 000°57'.60E		28										
		Main	002275200	Jobourg	49°41'.00N 001°54'.50W	42	Operational	SD	24 hrs	MRCC Jobourg						
		Monitor		Antifer	49°41'.10N 000°10'.00E	33										
				Ver-sur-Mer	49°20'.50N 000°31'.10W	27										
	Gatteville			49°41'.80N 001°15'.90W	26											
	Granville			48°50'.10N 001°36'.80W	26											
	Roches Douvres			49°06'.40N 002°48'.80W	25											
	Main			002275300	Corsen	48°24'.84N 004°46'.98W					27	Operational	SD	24 hrs	MRCC Corsen	
	Monitor	Cap Frehel	48°41'.00N 002°19'.00W		28											
		Lle De Batz	48°44'.78N 004°00'.71W		27											
		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											
	Germany	Main	002111240	Bremen Rescue Radio	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											
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											

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.)	Germany (cont.)	Monitor	Cuxhaven	002111240	53°50'.00N 008°39'.00E	24	Operational	SD	24 hrs	MRCC Bremen	
			Helgoland		54°11'.00N 007°53'.00E	33					
			Sylt		54°55'.00N 008°18'.00E	28					
			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
		Monitor	Carlingford	54°04'.50N 006°19'.30W	40	Operational	SD	24 hrs	MRCC Dublin		
			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		Main	MRCC Klaipeda		002770330	55°43'.00N 021°06'.00E					18
	Monitor	Nida	55°18'.00N 020°59'.00E	24							
		Sventoji	56°00'.00N 021°05'.00E	20							

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.)	Netherlands	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°05'.41N 004°15'.27E	25											
			Schoorl		52°43'.00N 004°38'.42E	25											
			Den Helder		52°57'.09N 004°47'.28E	25											
			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	Svendsheia						58°05'.05N 007°54'.26E	31				
Dolsveden (Kristiansand)	58°08'.09N 008°08'.01E	36															
Justøy (Lillesand)	58°12'.28N 008°20'.50E	31															
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															
Tønsberg	59°16'.05N 010°24'.44E	23															
Horten	59°24'.50N 010°28'.55E	30															
Bukten (Drammen)	59°40'.23N 010°26'.01E	24															
Tryvann (Oslo)	59°59'.05N 010°40'.12E	62															
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													
	Husheia		58°01'.28N 007°34'.44E	41													

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.)	Norway (cont.)	Monitor	Farsund	002570300	58°04'.21N 006°44'.40E	29	Operational	PS	24 hrs	JRCC South Norway Stavanger
			Lista		58°09'.13N 006°42'.40E	52				
			Draupner, The North Sea		58°11'.30N 002°28'.30E	30				
			Kalåskniben		58°11'.33N 006°55'.57E	65				
			Sleipner A, The North Sea		58°22'.05N 001°54'.22E	30				
			Bjerkreim		58°38'.00N 005°57'.18E	66				
			Lifjell		58°55'.13N 005°47'.23E	50				
			Ullandhaug		58°56'.23N 005°42'.28E	40				
			Bokn		59°13'.13N 005°25'.40E	50				
			Preståsen		59°29'.22N 006°15'.07E	32				
			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				
			Ljonesåsen		60°15'.50N 006°10'.09E	48				
			Sotra		60°19'.09N 005°06'.54E	53				
			I. Hardanger		60°24'.22N 006°38'.10E	69				
			Bergen		60°24'.46N 005°21'.56E	65				
		Bergen	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					
			Gudvangen	60°52'.00N 006°50'.47E	20					
			Aurland	60°54'.21N 007°11'.31E	25					
			Gulen	61°02'.04N 005°09'.18E	73					
			Ligtvor	61°06'.05N 006°32'.08E	17					
			Sogndal	61°10'.23N 007°07'.09E	93					
			Gullfaks, The North Sea	61°10'.54N 002°11'.26E	30					
			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							
Måløyg	61°59'.14N 005°09'.05E	38								

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.)	Norway (cont.)	Monitor	Ljønibba (Hellssylt)	002570500	62°05'.01N 006°53'.29E	40	Operational	PS	24 hrs	JRCC South Norway Stavanger	
			Geiranger-2		62°07'.22N 007°11'.29E	57					
			Fosnavaag		62°20'.57N 005°33'.11E	59					
			Hareid		62°21'.32N 006°07'.24E	19					
			Ålesund		62°28'.34N 006°10'.45E	41					
			Ørskogfjellet		62°30'.57N 006°52'.20E	69					
			Brattvåg		62°34'.31N 006°19'.07E	80					
			Molde		62°45'.10N 007°07'.58E	59					
			Tingvoll		62°55'.51N 007°55'.37E	84					
			Varden		63°06'.57N 007°42'.45E	34					
			Tjelbergodden		63°22'.48N 008°42'.55E	56					
			Stjørdal		63°31'.37N 010°53'.16E	66					
			Skavlen		63°46'.19N 010°57'.03E	55					
			Ørland		63°48'.24N 009°44'.18E	64					
			Njord A		64°16'.24N 007°11'.92E	30					Planned
			Buholmraen		64°17'.50N 010°17'.54E	34					Operational
			Draugen, The North Sea		64°21'.15N 007°46'.81E	30					
			Spillumsaksla		64°26'.32N 011°32'.16E	58					
			Falkhetta		64°52'.45N 011°13'.32E	43					Operational
			Åsgard B, The North Sea		65°06'.61N 006°47'.36E	30					
		Heidrun, The North Sea	65°19'.45N 007°18'.96E	30							
		Norne	66°01'.37N 008°05'.08E	30	Planned	24 hrs	JRCC North Norway Bodø				
		Main	Bodø Radio	002570700	67°16'.00N 014°23'.00E			-	Operational	PS	24 hrs
Monitor	Vega	65°39'.00N 011°49'.43E	75								
	Visten	65°39'.00N 012°37'.00E	-								
	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								

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.)	Norway (cont.)	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				
			Tysfjord (Hellandsberg)		68°02'.00N 016°07'.00E	-				
			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		68°27'.46N 017°09'.58E	48				
			Storheia		68°32'.39N 014°52'.08E	61				
			Tjeldsundet (Ballstadåsen)		68°33'.40N 016°16'.38E	42				
			Harstad		68°47'.54N 016°30'.55E	36				
			Stamnes		68°48'.42N 015°28'.48E	13				
			Myre		68°56'.36N 015°01'.18E	30				
			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				
			Sandøy		74°02'.39N 018°32'.48E					
			Jan Mayen		70°57'.00N 008°40'.00E	35				
			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	78°44'.37N 013°31'.19E	78						
		Nesna								
		Sørrollnes								
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						
	Stussnesfjell		70°01'.27N 020°58'.57E	37						
	Skjervøy		70°04'.34N 020°25'.50E	78						

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.)	Norway (cont.)	Monitor	Torsvarde	002570800	70°05'.50N 029°49'.06E	41	Operational	PS	24 hrs	JRCC North Norway Bodø
			Alta		70°06'.47N 022°56'.02E	63				
			Karlsøy		70°14'.35N 019°29'.49E	23				
			Domen (Vardø)		70°20'.08N 031°01'.57E	40				
			Algasvarre		70°28'.07N 028°14'.03E	65				
			Hammerfest		70°38'.22N 023°41'.47E	57				
			Hasvik		70°39'.20N 021°57'.49E	55				
			Hamnefjell		70°40'.10N 029°42'.39E	49				
			Berlevåg fjell		70°51'.47N 029°04'.34E	40				
			Lebesby		70°57'.54N 020°20'.59E	51				
			Nordkapp		70°59'.05N 025°53'.59E	56				
			Havøygavlen		71°00'.16N 024°35'.45E	49				
			Trollhetta		71°02'.49N 028°06'.41E	49				
			Hammerfjell		71°41'.30N 023°40'.25E	49				
	Main	Svalbard Radio	002570900	78°13'.00N 015°38'.00E	-	Operational	PS	24 hrs	JRCC North Norway Bodø	
	Monitor	Isfjord	002570900	78°03'.42N 013°36'.59E	23	Operational	PS	24 hrs	JRCC North Norway Bodø	
		Bjørndalen (Longyearbyen)		78°14'.30N 015°21'.10E	21					
		Kongsvegpasset		78°44'.37N 013°31'.19E	78					
	Poland	Main	Szczecin/remote controlled	002610110	53°28'.00N 014°35'.00E	-	Operational	PS	24 hrs	RCC Gdynia
		Monitor	Swinoujscie	002610110	53°55'.00N 014°15'.00E	20				
Grzywacz			53°57'.00N 014°30'.00E		35					
Kolowo			53°20'.00N 014°40'.00E		40					
Main		Witowo Radio	002610210	54°32'.29N 016°32'.12E	-	Operational	SD	24 hrs	MRCK Gdynia	
Monitor		Świnoujście	002610210	53°55'.02N 014°15'.29E	20					
		Grzywacz		53°57'.13N 014°30'.10E	35					
		Kolowo		53°20'.03N 014°40'.37E	40					
		Kolobrzeg		54°10'.33N 015°33'.26E	25					
		Barzowice		54°28'.25N 016°30'.19E	30					
		Rowokół		54°39'.22N 017°12'.42E	35					
		Rozewie		54°49'.52N 018°20'.02E	25					
		Gdynia/Oksywie		54°32'.50N 018°32'.10E	30					
	Krynica Morska	54°24'.16N 019°30'.30E		20						

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.)	Poland (cont.)	Main	Gdynia/remote controlled	002610310	54°32'.00N 018°32'.00E	-	Operational	PS	24 hrs	RCC Gdynia
		Monitor	Rozewie		54°50'.00N 018°20'.00E	25				
			Oksywie		54°32'.00N 018°32'.00E	30				
			Krynica Morska		54°23'.00N 019°27'.00E	20				
	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	002733700	60°35'.00N 028°33'.00E	35				
			Gorki	59°48'.00N 028°30'.00E	35					
			Gogland	60°01'.00N 027°00'.00E	20*					
		Main	Kaliningrad	002734417	54°53'.00N 019°56'.00E	28.6				
	Sweden	Main	Göteborg	002653000	-	-	Operational	SD	24 hrs	MRCC Göteborg
		Monitor	Umeå		63°50'.45N 019°49'.77E	59				
			Väddö		59°58'.09N 018°50'.41E	37				
			Svenska Högarna		59°26'.63N 019°30'.11E	21				
			Stockholm		59°18'.00N 018°10'.00E	50				
			Skellefteå		64°46'.62N 020°57'.45E	49				
			Seskarö		65°43'.81N 023°43'.92E	24				
			Luleå		65°32'.47N 021°55'.00E	36				
			Mjällom		62°59'.14N 018°23'.55E	48				
			Härnösand		62°36'.00N 017°55'.00E	40				
			Sundsvall		62°24'.00N 017°28'.00E	40				
			Hudiksvall		61°42'.52N 016°51'.83E	60				
			Gävle		60°37'.94N 017°07'.81E	42				
			Öregrund		60°29'.78N 018°23'.93E	30				
			Västerås		59°38'.00N 016°24'.00E	45				
			Södertälje		59°13'.40N 017°37'.25E	35				
			Torö		58°49'.24N 017°50'.68E	31				
Norrköping	58°40'.61N 016°27'.93E	49								
Gotska Sandön	58°23'.00N 019°14'.00E	27								
Fårö	57°51'.79N 019°02'.03E	30								
Visby	57°35'.55N 018°22'.46E	48								

* 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	
I (cont.)	Sweden (cont.)	Monitor	Hoburgen	002653000	56°56'.00N 018°13'.00E	30	Operational	SD	24 hrs	MRCC Göteborg
			Västervik		57°43'.23N 016°25'.66E	50				
			Borgholm		56°51'.29N 016°42'.27E	30				
			Ölands Södra		56°14'.00N 016°27'.00E	28				
			Karlskrona		56°14'.00N 015°39'.00E	32				
			Kivik		55°40'.14N 014°09'.49E	44				
			Trelleborg		55°29'.00N 013°16'.00E	36				
			Helsingborg		56°03'.10N 012°42'.48E	32				
			Falkenberg		56°50'.00N 012°41'.00E	39				
			Göteborg		57°41'.00N 012°03'.00E	47				
			Hunnebostrand		58°26'.86N 011°18'.48E	34				
			Strömstad		58°56'.10N 011°11'.15E	30				
			Vänersborg		58°19'.00N 012°16'.00E	27				
			Kinnekuile		58°36'.00N 013°24'.00E	48				
	Karlsborg (Vättern)	58°40'.00N 014°34'.00E	38							
	United Kingdom	Main	Falmouth	002320014	50°08'.00N 005°07'.00W	26	Operational	SD	24 hrs	MRCC Falmouth
		Monitor	Lizard		49°59'.00N 005°12'.00W	27				
			Scillies		49°55'.96N 006°18'.32W	26				
			Lands End		50°08'.17N 005°38'.19W	44				
			St. Ives		50°13'.09N 005°28'.60W	19				
			Trevoise Head		50°32'.91N 005°01'.97W	30				
			Bude		50°49'.00N 004°33'.00W	20				
		Main	Brixham		002320013	-				
		Monitor	Rame Head	50°19'.02N 004°13'.17W	30					
			East Prawle	50°13'.13N 003°42'.53W	34					
			Dartmouth	50°21'.00N 003°35'.00W	31					
			Berry Head	50°23'.97N 003°29'.04W	27					
Main		Portland	002320012	-	-	Operational	SD	24 hrs	MRSC Portland	
Monitor	Grove	50°32'.93N 002°25'.19W	33							
	Bincleaves	50°36'.08N 002°27'.09W	16							
	Hengistbury Head	50°43'.00N 001°46'.00W	21							
	Beer Head	50°41'.17N 003°05'.77W	35							
Main	Solent	002320011	-	-	Operational	SD	24 hrs	MRSC Solent		
Monitor	Boniface Down – Tx site	50°36'.00N 001°12'.00W	44							

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.)	United Kingdom (cont.)	Monitor	Stenbury Down – Rx site	002320011	50°37'.00N 001°14'.00W	44	Operational	SD	24 hrs	MRSC Solent
			Selsey Bill		50°43'.85N 000°48'.13W	19				
			Newhaven		50°46'.94N 000°03'.02E	27				
		Main	Dover – Rx site	002320010	51°08'.00N 001°20'.62E	33	Operational	SD	24 hrs	MRCC Dover
		Monitor	West Hougham–Dover Tx site		51°06'.69N 001°14'.86E	45				
			Fairlight		50°52'.23N 000°38'.74E	34				
			North Foreland		51°22'.49N 001°26'.71E	25				
		Main	Thames	002320009	51°52'.00N 001°16'.00E	18	Operational	SD	24 hrs	MRCC Thames
		Monitor	Shoeburyness		51°31'.29N 000°47'.13E	17				
			Bradwell		51°44'.00N 000°53'.04E	16				
			Bawdsey		52°00'.00N 001°25'.00E	24				
		Main	Yarmouth	002320008	52°36'.00N 001°42'.00E	20	Operational	SD	24 hrs	MRCC Yarmouth
		Monitor	Lowestoft		52°28'.99N 001°45'.03E	19				
			Trimingham		52°54'.56N 001°20'.60E	30				
			Langham		52°57'.00N 000°57'.00E	24				
			Skegness		53°09'.00N 000°21'.00E	18				
			Trusthorpe		53°19'.79N 000°16'.51E	23				
		Main	Humber	002320007	-	-	Operational	SD	24 hrs	MRSC Humber
		Monitor	Easington		53°39'.00N 000°06'.00E	25				
			Flamborough		54°07'.08N 000°05'.10W	26				
			Whitby		54°29'.38N 000°36'.33W	30				
		Main	Tyne Tees	002320006	55°01'.09N 001°24'.99W	24	Operational	SD	24 hrs	MRSC Tyne Tees
		Monitor	Hartlepool		54°41'.80N 001°10'.53W	19				
			Newton		55°31'.05N 001°37'.20W	24				
Main	Forth	002320005	56°16'.74N 002°35'.24W	21	Operational	SD	24 hrs	MRSC Forth		
Monitor	St. Abbs		55°54'.48N 002°12'.29W	42						
	Craigkelly		56°04'.00N 003°14'.00W	49						
	Inverbervie		56°51'.08N 002°15'.76W	37						
Main	Aberdeen	002320004	-	-	Operational	SD	24 hrs	MRCC Aberdeen		
Monitor	Greg Ness		57°07'.64N 002°03'.23W	25						
	Peterhead		57°30'.59N 001°46'.46W	19						
	Windy Head		57°38'.92N 002°14'.57W	45						
	Banff		57°38'.00N 002°31'.00W	33						
	Thrumster		58°23'.66N 003°07'.34W	39						

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.)	United Kingdom (cont.)	Monitor	Rosemarkie	002320004	57°38'.00N 004°04'.41W	43	Operational	SD	24 hrs	MRCC Aberdeen					
			Foyers		57°14'.00N 004°31'.00W	44									
			Noss Head		58°28'.74N 003°02'.98W	22									
			Dunnet Head		58°40'.28N 003°22'.57W	30									
			Ben Tongue		58°30'.00N 004°24'.00W	50									
			Durness		58°34'.00N 004°44'.00W	26									
		Main	Shetland	002320001	60°08'.92N 001°07'.97W	26	Operational	SD	24 hrs	MRSC Shetland					
		Monitor	Widefor Hill		58°59'.29N 003°01'.30W	44									
			Compass Head		59°52'.00N 001°16'.38W	33									
			Fitfull Head		59°54'.35N 001°22'.99W	47									
			Collafirth Hill		60°32'.00N 001°23'.00W	46									
			Saxa Vord		60°50'.00N 000°50'.00W	44									
		Main	Stornoway	002320024	-	-	Operational	SD	24 hrs	MRSC Stornoway					
		Monitor	Butt of Lewis		58°27'.87N 006°14'.10W	24									
			Forsnaval		58°12'.81N 007°00'.00W	44									
			Port Naguran		58°15'.00N 006°10'.00W	23									
			Rodel		57°45'.00N 006°57'.00W	29									
			Clettraval		57°37'.00N 007°27'.00W	37									
			Scoval		57°27'.00N 006°42'.00W	48									
			Skriaig		57°23'.00N 006°14'.00W	57									
			Barra		57°00'.75N 007°30'.00W	30									
			Melvaig		57°51'.00N 005°47'.00W	48									
			Arisaig		56°55'.00N 005°50'.00W	35									
		Main	Clyde		002320022	55°57'.70N 004°47'.72W					20	Operational	SD	24 hrs	MRCC Clyde
		Monitor	Pulpitt Hill			56°19'.00N 005°21'.00W					35				
			Torosay	56°27'.00N 005°44'.00W		58									
			Glengorm	56°38'.00N 006°08'.00W		47									
Tiree	56°30'.00N 006°57'.00W		35												
Cairn Pat	54°51'.12N 005°05'.31W		35												
Law Hill	55°41'.76N 004°50'.52W		41												
Rhu Stafnish	55°22'.00N 005°32'.00W		44												
Kilchiaran	55°45'.90N 006°27'.25W		37												
South Knapdale	55°55'.00N 005°28'.00W		62												

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.)	United Kingdom (cont.)	Main	Belfast	002320021	-	-	Operational	SD	24 hrs	MRSC Belfast
		Monitor	Orlock Head		54°40'.47N 005°35'.04W	23				
			Slieve Martin		54°06'.00N 006°10'.00W	61				
			Black Mountain		54°35'.27N 006°01'.14W	62				
			West Torr		55°11'.88N 006°05'.64W	33				
			Limavady		55°06'.54N 006°53'.17W	53				
		Main	Liverpool	002320019	53°29'.80N 003°03'.42W	17	Operational	SD	24 hrs	MRSC Liverpool
		Monitor	Blackpool Tower		53°48'.96N 003°03'.32W	37				
			Walney Lighthouse		54°02'.92N 003°10'.63W	16				
			Snaefell		54°15'.83N 004°27'.68W	70				
			Spanish Head		54°04'.01N 004°45'.85W	37				
			Caldbeck		54°44'.00N 003°03'.00W	65				
		Main	Holyhead	002320018	53°19'.00N 004°38'.00W	17	Operational	SD	24 hrs	MRSC Holyhead
		Monitor	Rhiw		52°50'.00N 004°38'.00W	51				
			South Stack		53°18'.38N 004°42'.00W	38				
			Great Orme		53°20'.00N 003°51'.21W	43				
		Main	Milford Haven	002320017	-	-	Operational	SD	24 hrs	MRSC Milford Haven
		Monitor	Tenby		51°41'.66N 004°41'.27W	29				
			St. Ann's Head		51°40'.87N 005°10'.43W	33				
			Dinas Head		52°00'.00N 004°54'.00W	43				
			Blaenplwyf		52°21'.58N 004°06'.14W	50				
Main	Swansea	002320016	-	-	Operational	SD	24 hrs	MRCC Swansea		
Monitor	Gower		51°34'.00N 004°17'.00W	27						
	Mumbles Hill		51°34'.00N 003°59'.00W	29						
	St. Hilary		51°27'.43N 003°24'.15W	50						
	Severn Bridge		51°37'.00N 002°39'.00W	33						
	Combe Martin		51°10'.00N 004°03'.00W	47						
	Ilfracombe		51°12'.95N 004°05'.07W	27						
	Hartland Point		51°01'.21N 004°31'.37W	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	
II	Benin	Main	Cotonou Radio	06100001	06°21'.21N 002°26'.41E	29	Operational	N. I.	12 hrs (0700 to 1900 TC)	PTT Cotonou
	Cameroon	Main	Douala Radio		04° 04'.00N 009° 41'.00E	N.I.	Planned [N. I.]	N. I.	N. I.	
		Monitor	Kiribi Radio		N.I.	N.I.				
			Buea Radio		N.I.	N.I.				
	Cape Verde	Main	Sao Vicente Radio (D4A)	006170000		70	Operational	PS	24 hrs	MRCC CPB
			Monte Verde (Sao Vicente Island)			16° 52'.11N 024° 56'.02W				
			Morro Curral (Sal Island)			16° 45'.25N 022° 56'.33W				
			Monte Xota (Santiago Island)			15° 02'.13N 023° 37'.22W				
	Congo	Main	Pointe Noire Radio		N.I.	N.I.	Planned [N. I.]	N. I.	N. I.	
	Côte D'Ivoire	Main	Abidjan Radio		N.I.	N.I.	Planned [N. I.]	N. I.	N. I.	
	Democratic Republic of the Congo	Main	Banana Radio		N.I.	N.I.	Planned [N. I.]	N. I.	N. I.	
			Monitor	Boma Radio		N.I.				
		Botadi Radio			N.I.	N.I.				
	Equatorial Guinea	Main	Malabo Radio		N.I.	N.I.	Planned [N. I.]	N. I.	N. I.	
	France	Main	Etel	002275000	47°39'.73N 003°12'.11W	26	Operational	SD	24 hrs	MRCC Etel
			Pen March		47°47'.89N 004°22'.36W	28				
			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				
			Armandeche		46°42'.00N 001°55'.00W	21				
			Ile D'Yeu		46°43'.03N 002°22'.88W	24				
Soulac			45°32'.00N 001°06'.00W		24					
Chassiron			46°02'.81N 001°24'.52W		22					
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		26					
Gambia			Main		Banjul Radio					

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	
II (cont.)	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				
	Guinea	Main	Kamsar Radio		-	-	Planned [N. I.]	N. I.	N. I.	
		Monitor	Conakry Radio		N. I.	N. I.				
	Guinea-Bissau	Main	Bissau Radio		N. I.	N. I.	Planned [N. I.]	N. I.	N. I.	
	Liberia	Main	Monrovia Radio		N. I.	N. I.	Planned [N. I.]	N. I.	N. I.	
	Mauritania	Main	Nouadhibou Radio		N. I.	N. I.	Planned [N. I.]	N. I.	N. I.	
		Main	Nouakchott Radio		N. I.	N. I.				
	Portugal	Main	Lisboa	TBD	38°41'.00N 009°19'.00W	30	Planned [N. I.]	SD	24 hrs	MRCC Lisboa
		Main	Funchal		32°38'.00N 016°54'.00W	50				MRCC Funchal
		Main	Delgada		37°44'.00N 025°40'.00W	50				MRCC Delgada
	Sao Tome and Principe	Main	Radio Naval		N. I.	N. I.	Planned [N. I.]	N. I.		
		Main	Radio Principe		N. I.	N. I.				
	Senegal	Main	Dakar Radio		N. I.	N. I.	Planned [N. I.]	N. I.	N. I.	
	Sierra Leone	Main	Wilberfree Hill Radio		N. I.	N. I.	Planned [N. I.]	N. I.	N. I.	
	Spain	Main	Bilbao CCR	002241021	43°16'.30N 003°02'.12W	35	Operational	SD	24 hrs	MRCC Bilbao
			Navia		43°25'.22N 006°50'.26W	35				
			Cabo Peñas		43°26'.05N 005°35'.24W	35				
			Santander		43°25'.28N 003°36'.15W	35				
			Pasajes		43°17'.26N 001°55'.17W	35				
Main		Coruña CCR	002241022	43°10'.15N 008°17'.33W	35	Operational	SD	24 hrs	MRSC Coruña	
		Cabo Ortegal		43°35'.08N 007°47'.29W	35				MRCC Finisterre	
		Finisterre		42°55'.28N 009°17'.29W	35				MRSC Vigo	
		Vigo		42°10'.30N 008°41'.05W	35					
		La Guardia		41°53'.17N 008°52'.15W	35					MRCC Finisterre

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		
II (cont.)	Spain (cont.)	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					
			Huelva		37°13'.20N 007°06'.43W ¹ 37°20'.48N 006°56'.44W ²	35					
		Main	Tenerife CCR	002241025	28°26'.55N 016°22'.42W	35	Operational	SD	24 hrs	MRCC Tenerife MRCC Las Palmas	
		Monitor	Arrecife		29°07'.46N 013°31'.20W	35					
			Fuerteventura		28°32'.69N 013°55'.12W	35					
			Las Palmas		27°57'.50N 015°33'.30W	35					
			Gomera		28°05'.40N 017°06'.15W	35					
			Hierro		27°48'.25N 017°54'.55W	35					
La Palma	28°38'.59N 017°49'.43W		35								
III	Togo	Main	Cacavelli Radio		N. I.	N. I.	Planned [N. I.]	N. I.	N. I.		
		Monitor	Aneho Radio		N. I.	N. I.					
	Bulgaria	Main	Varna Radio	002070810	43°15'.84N 027°57'.60E	45	Operational	PS	24 hrs	MRCC Varna MRSC Burgas MRCC Varna	
		Supporting	Burgas Radio		42°29'.36N 027°28'.32E	45					
		Monitor	Kaliakra Radio		43°22'.80N 028°28'.16E	45					Planned [2003]
			Emona Radio		42°43'.08N 027°32'.48E	55					
			Kitka		42°18'.27N 027°45'.28E	45					
	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			

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	
III (cont.)	Croatia (cont.)	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	Dubrovnik	002387800	42°39'.50N 018°05'.40E	15	Operational	SD	24 hrs	MRSC Durbrovnik	
			002387801							
	Cyprus	Main	Cyprus Radio	002091000	-	-	Operational	PS	24 hrs	RCC Larnaca
		Monitor	Pissouri	002091000	34°39'.04N 032°41'.44E	50				
			Olympus		34°56'.25N 032°51'.38E	120				
			Kionia		34°55'.14N 033°11'.32E	100				
	Egypt	Main	Alexandria Radio	006221111	31°12'.00N 029°54'.00E	22.7	Operational	PS	24 hrs	RCC Cairo
		Monitor	Marsa Matrouth	006221111	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°50'.00E		27					
Main			Port Said Radio		006221113	31°15'.00N 032°19'.00E				
Monitor		Ras El Barr	006221113	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	Main	La Garde	002275400	43°06'.29N 005°59'.40E	23	Operational	SD	24 hrs	MRCC La Garde	
	Monitor	Bear	002275400	42°31'.10N 003°08'.50E	30					
		Pic Neulos		42°29'.00N 002°57'.00E	94					
		Agde		43°17'.00N 003°30'.10E	31					
		Espiguette		43°29'.00N 004°08'.00E	93					
		Planier		43°11'.92N 005°13'.85E	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	
III (cont.)	France (cont.)	Monitor	Coudon	002275400	43°10'.00N 006°10'.00E	72	Operational	SD	24 hrs	MRCC La Garde
			La Garoupe		43°33'.86N 007°07'.96E	30				
			Cap Camarat		43°12'.06N 006°40'.48E	30				
			Pic de l'Ours		43°28'.00N 006°54'.00E	62				
		Main	Aspretto	002275420	41°55'.37N 008°45'.80E	30	Operational	SD	24 hrs	MRCC La Garde, MRSC Corse
		Monitor	Ersa		42°58'.15N 009°22'.79E	64				
			Serra Di Pigno		42°41'.67N 009°23'.98E	83				
			Piana		42°14'.28N 008°37'.30E	69				
			Punta		41°57'.22N 008°41'.98E	75				
			Serragia		41°30'.90N 008°58'.68E	58				
			Conca		41°44'.30N 009°23'.26E	54				
	Georgia	Main	MRCC Georgia	002130100	41°38'.70N 041°39'.00E	25	Operational	SD	24 hrs	MRCC Georgia
			Batumi, Harbour Master	002130200	41°39'.03N 041°39'.34E	25	Planned			
			Poti, Harbour Master	002130300	42°09'.14N 041°39'.11E	25	Operational			RSC Poti
	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				
			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					

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								
III (cont.)	Greece (cont.)	Monitor	Patmos	002371000	37°18'.00N 026°32'.00E	46	Operational	PS	24 hrs	JRCC Piraeus							
			Moustakos		35°18'.00N 023°37'.00E	84											
			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											
			Italy		Main	Rome					002470001	-	-	Operational	PS	24 hrs	MRSC Trieste
					Monitor	Conconello						45°40'.00N 013°47'.00E	53				
Piancavallo	46°05'.00N 012°32'.00E	70															
Monte Cero	45°15'.00N 011°40'.00E	58															
Ravenna Bassette	44°24'.00N 012°12'.00E	20															
Forte Garibaldi	43°36'.00N 013°31'.00E	39															
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															
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															
Monte Paradiso	42°05'.00N 011°51'.00E	52															
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															
Gorgona	43°25'.25N 009°53'.83E	47															
									MRSC Ancona								
									MRSC Cagliari								
									MRSC Roma								
									MRSC Livorno								

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	
III (cont.)	Italy (cont.)	Monitor	Monte Nero	002470001	43°29'.00N 010°21'.00E	51	Operational	PS	24 hrs	MRSC Livorno
			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	002470002	39°01'.00N 017°09'.00E	37	Operational	PS	24 hrs	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					
		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					
		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							
	Malta	Main	Malta Radio 9HD	-	-	-	Planned [2004]	SD	24 hrs	RCC Malta
		Monitor	Ta'Wied Rini	-	35°53'.00N 014°21'.00E	45				

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		
III (cont.)	Romania	Main	Constanta, Agigea	002640570	44°06'.18N 028°37'.49E	25	Operational	PS	24 hrs	Constanta Harbour's Master	
		Monitor	Constanta, Enisala		44°51'.15N 028°52'.00E	44					
			Constanta, Sfintu Gheorghe		44°53'.57N 029°36'.11E	24					
			Constanta, Mahmudia		45°05'.17N 029°04'.21E	43					
	Russian Federation	Main	Novorossiysk	002734411	44°41'.02N 037°47'.40E	26	Operational	SD	24 hrs	MRCC Novorossiysk	
		Monitor	Doob		44°35'.90N 037°57'.90E	51					
			Anapa		44°50'.30N 037°21'.03E	52					
			Sochi		43°32'.90N 039°51'.10E	71					
			Taganrog		47°14'.40N 038°56'.20E	19					
			Temryuk		45°19'.80N 037°13'.90E	28					
		Main	Tuapse	002734413	44°07'.00N 039°03'.00E	46.4					
		Main	Eisk	002734422	46°43'.00N 038°16'.00E	23	Operational	SD	24 hrs	MRCC Novorossiysk	
					46°40'.00N 037°45'.00E	25					
					47°13'.00N 039°44'.00E	21					
	46°19'.00N 047°58'.00E				22.5						
	Main	Astrakhan (Caspian Sea)	002734419	46°19'.00N 047°58'.00E	22.5	Operational	SD	24 hrs	MRCC Astrakhan		
				45°23'.00N 047°47'.00E	25						
	Main	Makhachkala (Caspian Sea)	002734423	42°59'.00N 047°30'.00E	23	Operational	SD	24 hrs	Koper		
				45°32'.00N 013°59'.00E	86						
	Slovenia	Main	Koper	002780200	45°32'.00N 013°59'.00E	86	Operational	SD	24 hrs	Koper	
Spain	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
					Motril					36°52'.40N 002°48'.04W	35
					Cabo Gata					36°45'.28N 002°10'.14W	35
					Melilla					35°19'.00N 002°57'.00W	35
	Main	Valencia	002241024	-	-	Operational	SD	24 hrs	MRCC Valencia MRCC Barcelona MRSC Tarragona MRCC Valencia MRSC Cartagena		
				41°56'.44N 003°13'.42E	35						
				41°25'.05N 002°06'.57E	35						
				41°20'.43N 001°32'.25E	35						
				39°52'.16N 000°19'.27W	35						
				38°43'.24N 000°09'.40E	35						
				38°19'.39N 000°42'.00W	35						
				37°34'.52N 000°57'.53W	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	
III (cont.)	Spain (cont.)	Monitor	Palma de Mallorca	002241024	39°44'.12N 002°42'.51E	35	Operational	SD	24 hrs	MRCC Palma
			Ibiza		38°54'.33N 001°16'.27E	35				
			Menorca		39°59'.10N 004°06'.50E	35				
	Turkey	Main	Samsun	002712000	-	50-70	Operational	PS	24 hrs	MSRCC Ankara
		Monitor	Yildiztepe R/L	41°05'.47N 037°01'.40E						
			Dikmen R/L	38°16'.09N 040°55'.30E						
			Akcaabat R/L	41°35'.44N 039°27'.06E						
			Pazar R/L	41°08'.56N 040°49'.07E						
			Dütmen R/L	41°26'.53N 035°28'.53E						
			Zonguldak R/L	41°23'.39N 031°49'.56E						
			Inebolu R/L	41°53'.27N 033°43'.06E						
		Main	Istanbul	002711000	-	50-70	Operational	PS	24 hrs	MSRCC Ankara
		Monitor	Akçakoca R/L	41°58'.32N 031°12'.25E						
			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						
			Mahyadag TV	41°47'.03N 027°37'.10E						
			Kayalidag TV	39°58'.02N 026°38'.10E						
	Akdag TV		38°33'.00N 026°30'.00E							
	Bandirma R/L		40°21'.11N 027°53'.41E							
	Ayvalik R/L		39°18'.29N 026°41'.26E							
Main	Antalya	002713000	-	50-70	Operational	PS	24 hrs	MSRCC Ankara		
Monitor	Kazakin R/L	36°50'.15N 027°05'.45E								
	Dilektepe TV	37°31'.43N 027°15'.31E								
	Palamut R/L	36°45'.26N 028°13'.00E								
	Yumrutepe R/L	36°15'.13N 029°27'.28E								
	Markiz R/L	36°43'.00N 030°29'.00E								
	Cobandede R/L	36°31'.11N 036°15'.20E								
	Bodrum R/L	37°04'.06N 027°26'.37E								
	Oren PTT	37°02'.21N 027°57'.19E								
	Anamur R/L	36°04'.54N 032°49'.47E								
Ukraine	Main	Odesa	002723660	46°25'.04N 030°45'.60E	23	Operational	SD	24 hrs	MRCC Odesa	
	Main	VTs Odesa	002723671	46°29'.46N 030°45'.51E	24					
	Main	Yuzhnyy	002723655	46°37'.00N 031°03'.00E	25	On trial				

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	
III (cont.)	Ukraine (cont.)	Main	VTS Illichivs'k	002723661	46°19'.25N 030°40'.70E	20	Operational	SD	24 hrs	MRCC Odesa
		Main	Kerch	002723659	45°21'.00N 036°32'.00E	25				
		Main	Theodosia	002723663	45°01'.35N 035°23'.00E	35				
		Main	VTS Striletskiy	002723673	44°36'.70N 033°28'.56E	20				
		Main	Mariupol	002723650	47°03'.00N 037°30'.00E	20				
		Main	VTS Mariupol	002723670	47°03'.32N 037°30'.48E	22				
		Main	Berdiansk	002723672	46°45'.00N 036°46'.00E	17				
		Main	Sevastopol	N. I.	46°26'.34N 034°01'.39E	90				
		Main	VTS Ochakiv	002723665	46°36'.06N 031°33'.10E	20	Operational			
Main	VTS Rus'ka Beak	002723666	46°44'.85N 031°56'.20E	21						
IV	Bermuda (United Kingdom)	Main	Bermuda Harbour	003100001	32°23'.00N 064°41'.00W	30	Operational	SD	24 hrs	RCC Bermuda
	Canada	Main	Sydney (Port Caledonia)	003160017	46°11'.00N 059°54'.00W	40	Operational	PS	24 hrs	JRCC Halifax
		Monitor	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				
			Cheticamp		46°35'.00N 061°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 (Table Mountain)	003160018				
	Monitor	Pinetree	48°36'.00N 058°40'.00W	40						
		Ramea Island	47°31'.00N 057°25'.00W	40						
		Stephenville	48°33'.00N 058°46'.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						
Main	Riviere au Renard	003160025	--	40	Operational	PS	24 hrs	JRCC Halifax		
Monitor	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							

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.)	Monitor	Natashquan	003160025	50°09'.00N 061°48'.00W	40	Operational	PS	24 hrs	JRCC Halifax
			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	Placentia (Pearce Peak)	003160019	--	40	Operational	PS	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 Hill		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				
		Main	Halifax	003160016	-		Operational	PS	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				
			Ketch Harbour		44°28'.00N 063°37'.00W	40				
			Kingsburg		44°17'.00N 064°17'.00W	40				
		Main	Saint John (Red Head)	003160015	45°14'.00N 065°59'.00W	40	Operational	PS	24 hrs	JRCC Halifax
		Monitor	Lockport		43°40'.00N 065°08'.00W	40				
			Yarmouth		43°45'.00N 066°07'.00W	40				
			Tiverton		44°24'.00N 066°14'.00W	40				
			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				
Main	St. John's (Robin Hood Bay)		003160020		47°37'.00N 052°40'.00W	40				
Monitor	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	St. Anthony	003160021	51°30'.00N 055°50'.00W	40	Operational	PS	24 hrs	JRCC Halifax		
Monitor	Twillingate		49°41'.00N 054°48'.00W	40						
	Comfort Cove		49°20'.00N 054°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.)	Monitor	Conche	003160021	50°54'.00N 055°53'.00W	40	Operational	PS	24 hrs	JRCC Halifax		
			L'Anse aux Mecdows		51°34'.00N 055°30'.00W	40						
			Fox Harbour		52°22'.00N 055°40'.00W	40						
		Main	Labrador (Goose Bay)	003160022	53°18'.00N 060°33'.00W	40	Operational	PS	24 hrs	JRCC Halifax		
		Monitor	Nain		56°33'.00N 061°43'.00W	40						
			Cartwright		53°42'.00N 057°02'.00W	40						
		Main	Les Escoumins	003160026	48°19'.00N 069°25'.00W	40	Planned [2006]	PS	24 hrs	MRSC Quebec		
					Monitor	Lac D'aigle					50°17'.00N 066°19'.00W	40
						Grosses-Roches					48°55'.00N 067°07'.00W	40
		Mont-Joli	48°37'.00N 068°14'.00W	40								
		Rivière du Loup	47°45'.00N 069°36'.00W	40								
		Sacré-Coeur	48°13'.00N 069°52'.00W	40								
		Cap Est	48°23'.00N 070°41'.00W	40								
		Mont-Louis	49°13'.00N 065°46'.00W	40								
		Main	Montreal	003160028	-	-	Planned [2006]	SD	24 hrs	MRSC Quebec		
		Monitor	Mont St. 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						
		Main	Québec	003160025	-	-	Planned [2006]	SD	24 hrs	MRSC Quebec		
		Monitor	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						
Montmagny	46°56'.00N 070°31'.00W		40									
Jamaica	Main	HMJS Cagway Port Royal	N. I.	-	-	Planned [2000]	SD	24 hrs	Jamaica Defence Force			
	Monitor	Catherine's Peak		18°03'.00N 076°42'.00W	112							
		Flower Hill		18°59'.00N 077°51'.00W	70							
		Huntley		18°05'.00N 078°15'.00W	92							
Mexico	Main	Tampico	003450110	22°12'.55N 097°50'.45W	80	Operational	PS	24 hrs	Zona Naval (ZN-1)			
	Monitor	Veracruz	003450310	19°06'.53N 096°08'.03W	80	Operational			Zona Naval (ZN-3)			
		Chetumal	003451120	18°30'.00N 088°17'.08W	80	Operational	PS	24 hrs	Sector Naval			
		Cozumel	003451110	20°28'.28N 086°58'.18W	80	Operational			Subsector Naval			

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.)	Mexico (cont.)	Monitor	Cd. del Carmen	003450710	18°39'.40N 091°50'.23W	80	Operational	PS	24 hrs	Zona Naval (ZN-5)
			Progreso	003450910	21°16'.08N 089°41'.47W	80	Operational			Sector Naval de Yucalpeten
			Coatzacoalcos	003450320	18°09'.36N 094°26'.51W	80	Operational			Sector Naval
			La Pesca	003450120	23°46'.53N 097°47'.00W	80	Planned [2006]			Zona Naval (ZN-1)
			Tuxpan	003450330	20°57'.26N 097°21'.27W	80	Planned [2005]			Sector Naval
			Campeche	003450720	18°48'.08N 090°51'.09W	80	Planned [2006]			Sector Naval de Lerma Campeche
			Puerto Juárez	003451130	21°01'.11N 086°49'.11W	80	Planned [2005]			Zona Naval (ZN-7)
	United States		TBD				Planned [2007]			
Venezuela		TBD				Planned [1999]				
V	NONE									
VI	Argentina	Main	Argentina Radio	007010111	34°36'.00S 058°28'.00W	35	Operational	PS	24 hrs	MRCC Buenos Aires
		Main	Mar del Plata	007010221	38°03'.00S 057°32'.00W	35				MRCC Puerto Belgrano
		Main	Buenos Aires PNA Radio	007010001	34°36'.30S 058°22'.00W	35	Operational	SD	24 hrs	MRSC Rio de la Plata
		Main	Mar del Plata PNA Radio	007010003	38°03'.00S 057°32'.00W	35				MRSC Mar del Plata
		Main	Comodoro Rivadavia PNA Radio	007010008	45°51'.00S 067°25'.00W	35				MRSC Comodoro Rivadavia
		Main	Rio Gallegos PNA Radio	007010010	51°37'.00S 069°03'.29W	35				MRSC Rio Gallegos
		Main	San Blas PNA Radio	007010006	40°33'.00S 062°14'.00W	35				MRSC Bahia Blanca
		Main	Ushuaia PNA Radio	007010011	54°48'.00S 068°18'.00W	35	MRSC Ushuaia			
	Uruguay	Main	Montevideo Armada Radio	007703870	34°56'.00S 056°09'.00W	30	Operational	SD	24 hrs	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				
Santa Teresa Radio				34°00'.00S 053°33'.00W	30					
VII	Angola	Main	Luanda Radio		N.I.	N.I.	Planned [N. I.]	N. I.	N. I.	
	Comoros	Main	Moroni Radio		-	-	Planned [N. I.]	N. I.	N. I.	
		Monitor	Qussoudjou Radio		N.I.	N.I.				

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	
VII (cont.)	Madagascar	Main	Toamasina Radio		N.I.	N.I.	Planned [N. I.]	N. I.	N. I.	
		Main	Mahajanga Radio		N.I.	N.I.				
		Main	Toliara Radio		N.I.	N.I.				
	Mozambique	Main	Maputo Radio		N.I.	N.I.	Planned [N. I.]	N. I.	N. I.	
VIII	India	Main	Daman	004192201	20°25'.00N 072°52'.00E	20	Operational			MRCC Mumbai
			Porbandar	004192202	21°38'.00N 069°37'.00E	25				
			Mumbai	004192203	18°55'.00N 072°50'.00E	25				
			New Mangalore	004192204	12°55'.00N 074°48'.00E	25				MRCC Mumbai
			Kochi	004192205	09°58'.00N 076°16'.00E	20				
			Goa	004192206	15°25'.00N 073°48'.00E	25				
			Okha	004192207	22°28'.00N 069°05'.00E	20				
			Chennai	004194401	13°06'.00N 080°18'.00E	25				MRCC Chennai
			Vishakhapatnam	004194402	17°41'.00N 083°17'.00E	20				
			Paradip	004194403	20°16'.00N 086°42'.00E	25				
			Haldia	004194404	22°02'.00N 088°06'.00E	25				
			Tuticorin	004194405	08°45'.00N 078°12'.00E	20				
			Mandapam	004194406	09°17'.00N 079°05'.00E	20				
			Diglipor	004194407	13°18'.00N 093°04'.00E	25				MRCC Port Blair
			Campbell Bay	004194408	07°00'.00N 093°55'.00E	30				
	Port Blair	004194409	11°41'.00N 092°46'.00E	30						
	Kenya	Main	Mombasa Radio		N. I.	N. I.	Planned [N. I.]	N. I.	N. I.	
		Monitor	Malindi Radio		N. I.	N. I.				
			Msambweni Radio		N. I.	N. I.				
	Mauritius	Main	Mauritius Radio	-	-	-	Operational	-	-	N. I.
		Monitor	Albion	006452700	20°13'.00S 057°24'.00E	25				
			Belle Mare		20°11'.00S 057°46'.00E	25				
			Cap Malheureux		19°59'.10S 057°36'.01E	25				
Souillac				20°31'.00S 057°31'.00E	25					
Myanmar	-	Yangon Radio	005060100	16°42'.00N 096°17'.00E	25	Operational	SD	24 hrs		
	-	Myeik Radio	005060200	12°26'.00N 098°36'.00E	25					
Seychelles	Main	Seychelles Radio		N. I.	N. I.	Planned [N. I.]	N. I.	N. I.		
Tanzania	Main	Dar-es-Salaam Radio		N. I.	N. I.	Planned [N. I.]	N. I.	N. I.		
	Monitor	Zanzibar Radio		N. I.	N. I.					
		Mtwara Radio		N. I.	N. I.					

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	
IX	Djibouti	Main	Djibouti Radio		N. I.	N. I.	Planned [N. I.]	N. I.	N. I.	
		Monitor	Pic du day Radio		N. I.	N. I.				
	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	Main	Khark (Island)	004225306	29°14'.00N 050°20'.00E	25 to 30	Operational	PS	24 hrs	HQ PSO Tehran	
	Main	Khorramshahr	004225309	30°21'.00N 048°11'.00E	25 to 30					
	Main	Abadan	004225313	30°20'.00N 048°17'.00E	25 to 30					
	Main	Lengeh	004225307	26°32'.00N 054°54'.00E	25 to 30					
	Main	Bandar Abbas	004225304	27°06'.13N 056°04'.42E	25 to 30					
	Main	Bahonar	004225308	27°08'.00N 056°12'.00E	25 to 30					
	Main	(B.I.) Khomeini	004225300	30°26'.00N 049°04'.00E	25 to 30					
	Main	Bushehr	004225302	28°59'.00N 050°49'.00E	25 to 30					
	Main	Anzali (Caspian Sea)	004225305	37°28'.71N 049°27'.49E	25 to 30					
	Main	Nowshahr (Caspian Sea)	004225303	36°39'.00N 051°30'.13E	25 to 30					
	Main	Neka (Caspian Sea)	004225311	36°50'.00N 053°14'.00E	25 to 30					
	Main	Qeshm	004225315	26°57'.00N 056°17'.00E	25 to 30					
	Main	Arvand Kenar	004225326	29°59'.00N 048°30'.00E	25 to 30					
	Main	Dayyer	004225327	27°50'.00N 051°55'.00E	25 to 30					
	Main	Khowr-e musa	004225325	29°56'.00N 049°11'.00E	25 to 30					
	Main	Gánaveh	004225317	29°34'.00N 050°31'.00E	25 to 30					
	Main	Kish (Qeys)	004225314	26°32'.00N 053°58'.00E	25 to 30					
	Main	Asaluyeh	004225316	27°29'.00N 052°36'.00E	25 to 30					
	Main	Chabahar	004225301	25°17'.00N 060°38'.00E	25 to 30					Planned
	Jordan	Main	Aqaba Radio	004381234	29°27'.00N 034°58'.00E	25	Planned [N. I.]	PS	24 hrs	Harbour Master, Aqaba
Monitor		Aqaba Port Control	29°30'.00N 034°59'.00E		25					
Oman	Main	Muscat		23°36'.00N 058°30'.00E	25 to 30	Planned [N. I.]	PS	N. I.	HQ Royal Air Force of Sultanate of Oman	

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	
IX (cont.)	Pakistan	Main	Karachi	004634060	24°52'.00N 067°01'.00E	40	Planned [1998]	N. I.	N. I.	N. I.
		Main	Ormara	004634056	25°12'.00N 064°38'.00E	40	TBD			
		Main	Gwadar	004634052	25°08'.00N 064°20'.00E	40				
	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						
	Sudan	Main	Jebel Erba Radio		N. I.	N. I.	Planned [N. I.]	N. I.	N. I.	N. I.
	United Arab Emirates	Main	Emirates Radio		-	-	Planned [1995]	N. I.	N. I.	N. I.
Monitor		Abu Dhabi Radio		24°28'.00N 054°22'.00E	N.I.					
		Fujeirah Radio		25°04'.00N 056°21'.00E	N.I.					
		Jebal Ali Radio		25°02'.00N 055° 06'.00E	N.I.					
		Khor Fakkan Radio		25°21'.00N 056°22'.00E	N.I.					
		Ras Al Khaimah Radio		25°47'.00N 055°59'.00E	N.I.					
		Jebal Dhana Radio		24°06'.00N 052°44'.00E	N.I.					
		Umm Al Quwain Radio		25°32'.00N 055°32'.00E	N.I.					
Zirku Radio		24°53'.00N 053°04'.00E	N.I.							
X	NONE									

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	
XI	China	Main	Dalian Radio	004121300	38°50'.00N 121°31'.00E	25	Operational	PS	24 hrs	Liaoning MRCC
		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				Hebei 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
			Guam (United States)	Main	Guam	003669994				13°29'.00N 144°50'.00E
	Indonesia	Main	Amboina	005250006	03°41'.57W 128°10'.40E	20	Operational	PS	24 hrs	MRSC Ambon
		Main	Atapupu	-	09°01'.30S 124°51'.40E	20	Planned			MRSC Kupang
		Main	Balikpapan	005250009	01°16'.15S 116°48'.30E	20	Operational			MRSC Balikpapan
		Main	Banabungi	-	05°30'.50S 122°50'.40E	20	Planned			MRSC Ujung Pandang
		Main	Banjarmasin	-	03°19'.40S 114° 35'.35E	20	Planned			MRSC Banjarmasin
		Main	Batu Ampar	005250012	01°09'.50N 104°00'.01E	20	Operational			MRSC Tanjung Pinang
		Main	Bawean	-	05°51'.20S 112°39'.20E	20	Planned			MRCC Surabaya
		Main	Belawan	005250003	03°43'.17N 098°40'.08E	20	Operational			MRSC Medan
		Main	Bengkulu	-	03°46'.30S 102°18'.31E	20	Planned			MRSC Palembang
		Main	Benoa	005250014	08°44'.40S 115°12'.32E	20				MRSC Denpasar
		Main	Biak	005250031	01°11'.10S 136°04'.36E	20	Operational			MRCC Biak
		Main	Bima	-	08°26'.28S 118°43'.28E	20	Planned			MRSC Denpasar
		Main	Bintuni	-	02°07'.11S 133°30'.04E	20				MRSC Sorong
		Main	Bitung	005250005	01°26'.50N 125°10'.53E	20	Operational			MRSC Manado
	Main	Celukan Bawamg	-	08°11'.23S 114°49'.49E	20	Planned	MRSC Palembang			
	Main	Cigading	005250083	05°56'.05S 106°00'.23E	20	Planned	MRCC Jakarta			
	Main	Cilacap	005250030	07°44'.25S 109°02'.23E	20	Operational				

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	
XI (cont.)	Indonesia (cont.)	Main	Cirebon	005250032	06°43'.00S 108°34'.20E	20	Planned	PS	24 hrs	MRCC Jakarta
		Main	Dabo Singkep	-	00°30'.10S 104°34'.00E	20				MRSC Pekanbaru
		Main	Donggala	-	00°40'.30S 119°44'.47E	20	Planned			MRSC Manado
		Main	Dumai	005250004	01°41'.10N 101°27'.20E	20	Operational			MRSC Pekanbaru
		Main	Ende	-	08°50'.20S 121°38'.38E	20	Planned			MRSC Kupang
		Main	Fak-Fak	005250026	02°56'.02S 132°17'.56E	20	Operational			MRSC Sorong
		Main	GN. Sitoli	-	02°16'.53N 097°37'.16E	20	Planned			MRSC Medan
		Main	Gorontalo	-	00°30'.30N 123°03'.49E	20				MRSC Manado
		Main	Gresik	-	07°09'.30S 112°35'.40E	20				MRCC Surabaya
		Main	Jakarta	005250000	06°07'.28S 106°51'.16E	20				MRCC Jakarta
		Main	Jambi	-	01°36'.50S 103°36'.51E	20	Planned			MRSC Padang
		Main	Jayapura	005250007	02°31'.10S 140°43'.22E	20	Operational			MRSC Jayapura
		Main	Kaimana	-	03°40'.00S 135°45'.15E	20	Planned			MRSC Sorong
		Main	Kalabahi	-	08°13'.18S 124°30'.40E	20				MRSC Denpasar
		Main	Kalianget	-	07°04'.05S 113°58'.42E	20				MRCC Surabaya
		Main	Kendari	005250019	03°58'.38S 122°35'.55E	20	Operational			MRCC Ujung Pandang
		Main	Kupang	005250010	10°12'.49S 123°37'.24E	20	Operational			MRSC Kupang
		Main	Lahewa	-	01°24'.00N 097°09'.20E	20	Planned			MRCC Ujung Pandang
		Main	Larantuka	-	08°20'.28S 122°59'.25E	20				MRSC Kupang
		Main	Lembar	005250022	08°43'.41S 116°04'.23E	20	Operational			MRSC Denpasar
Main	Luwuk	-	00°56'.58S 122°47'.24E	20	Planned	MRSC Manado				
Main	Makassar	005250002	05°06'.30S 119°26'.20E	20	Operational	MRCC Ujung Pandang				
Main	Manokwari	005250023	00°51'.56S 134°04'.37E	20		MRCC Biak				
Main	Masalembo	-	05°34'.00S 114°27'.00E	20	Planned	MRCC Ujung Pandang				
Main	Maumere	-	08°37'.00S 122°13'.08E	20	Planned	MRSC Kupang				
Main	Menado	-	01°29'.47N 124°50'.41E	20		MRSC Manado				
Main	Meneng	-	08°07'.30S 114°23'.50E	20		MRCC Surabaya				
Main	Merauke	005250021	08°28'.47S 140°23'.38E	20	Operational	MRSC Merauke				
Main	Padang Bai	-	08°32'.00S 115°30'.28E	20	Planned	MRSC Padang				
Main	Palembang	-	02°58'.08S 104°46'.44E	20		MRSC Palembang				

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	
XI (cont.)	Indonesia (cont.)	Main	Panarukan	-	07°41'.45S 113°56'.02E	20	Planned	PS	24 hrs	MRCC Surabaya
		Main	Pangkal Balam	-	02°02'.07S 106°08'.00E	20				MRSC Tanjung Pinang
		Main	Panjang	005250013	05°28'.23S 105°19'.03E	20	Operational	MRSC Palembang		
		Main	Parigi	-	00°48'.45N 120°10'.45E	20	Planned	MRSC Manado		
		Main	Pontianak	005250016	00°01'.36N 109°17'.18E	20	Operational	MRSC Pontianak		
		Main	Poso	-	01°22'.48N 120°45'.20E	20	Planned	MRSC Manado		
		Main	Probolinggo	-	07°23'.00S 113°13'.00E	20		MRCC Surabaya		
		Main	Pulang Pisau	-	02°45'.00S 114°15'.00E	20	MRSC Tanjung Pinang			
		Main	Pulau Sambu	-	01°09'.08N 103°53'.58E	20	MRSC Tanjung Pinang			
		Main	Rengat	-	00°28'.29S 102°41'.10E	20	MRSC Medan			
		Main	Sabang	-	05°04'.00N 095°21'.00E	20	MRSC Balikpapan			
		Main	Samarinda	-	00°30'.30S 117°09'.12E	20	MRSC Banjarmasin			
		Main	Sampit	-	02°33'.26S 112°57'.24E	20	MRSC Ambon			
		Main	Sanana	005250025	02°03'.03S 125°58'.02E	20	Operational	MRSC Tanjung Pinang		
		Main	Sei Kolak Kijang	005250029	00°51'.04N 104°36'.31E	20		MRSC Tanjung Pinang		
		Main	Selat Panjang	-	01°01'.31N 102°43'.10E	20	Planned	MRSC Tanjung Pinang		
		Main	Semarang	005250008	06°58'.35E 110°20'.50E	20	Operational	MRCC Surabaya		
		Main	Serui	-	01°53'.12S 136°14'.27E	20	Planned	MRCC Biak		
		Main	Siau	-	02°44'.00N 124°24'.01E	20		MRSC Manado		
		Main	Sibolga	005250028	01°43'.54N 098°47'.00E	20	Operational	MRSC Medan		
		Main	Sintete	-	01°11'.42N 109°03'.38E	20	Planned	MRSC Pontianak		
		Main	Sorong	005250011	00°53'.03S 131°16'.29E	20	Operational	MRSC Sorong		
		Main	Sunda Kelapa	-	06°07'.24S 106°48'.30E	20	Planned	MRCC Jakarta		
		Main	Surabaya	005250001	07°11'.05S 112°44'.08E	20	Operational	MRCC Surabaya		
Main	Tahuna	005250024	03°35'.20N 125°30'.10E	20	Planned	MRSC Manado				
Main	Tarakan	005250017	03°17'.20N 117°35'.25E	20	Operational	MRSC Balik Papan				
Main	Tegal	-	06°51'.01S 109°08'.05E	20	Planned	MRCC Jakarta				
Main	Teluk Bayur	-	01°00'.10S 100°21'.55E	20		MRSC Padang				
Main	Teluk Dalam	-	00°33'.52N 097°49'.05E	20	Planned	MRSC Padang				

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	
XI (cont.)	Indonesia (cont.)	Main	Tembilahan	-	00°19'.04S 103°09'.41E	20	Planned	PS	24 hrs	MRSC Tanjung Pinang
		Main	Ternate	005250020	00°47'.00N 127°21'.52E	20	Operational			MRSC Ambon
		Main	TG Balai Karimun	-	00°59'.17N 103°26'.14E	20	Planned			MRSC Tanjung Pinang
		Main	TG Uban	-	01°03'.05N 104°13'.27E	20	Planned			MRSC Tanjung Pinang
		Main	Toli-Toli	-	01°03'.18N 120°48'.20E	20	Planned			MRSC Manado
		Main	Tual	-	05°38'.00S 132°44'.27E	20				MRSC Ambon
		Main	Olee Lheue	-	05°33'.42S 095°17'.10E	20				MRSC Manado
		Main	Waingapu	-	09°39'.42S 120°15'.22E	20				MRSC Kupang
	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				
			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				
			Kuching	005330011	01°35'.00N 110°11'.00E	85				
			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	N. I.	14°35'.00N 120°57'.00E	25	-	SD	24 hrs	Manila	
	Monitor	Batangas		13°45'.00N 121°03'.00E	25					
		Iloilo		10°42'.00N 122°35'.00E	25					
		San Fernando		16°36'.00N 120°18'.00E	25					
		Aparri		18°22'.00N 121°38'.00E	25					On trail
		Legaspi		13°09'.00N 123°45'.00E	25					-
		San Jose		12°20'.00N 121°06'.00E	25					On trail
		Lucena		13°54'.00N 121°38'.00E	25					-
		Roxas		11°36'.00N 121°42'.00E	25					On trail
		Real		14°40'.00N 120°37'.00E	25					-
		Davao		07°08'.00N 125°40'.00E	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		
XI (cont.)	Philippines (cont.)	Monitor	Puerto Princesa RX/OPS	N. I.	N.I.	25	-	SD	24 hrs	Manila	
			Surigao		09°47'.00N 125°30'.00E	25	-				
			Cebu OPS		10°16'.00N 123°53'.00E	25	-				
			Zamboanga		06°59'.00N 122°01'.00E	25	On trail				
			Tacloban		N.I.	25	-				
			Gen. Santos		06°05'.00N 125°09'.00E	25	-				
			Cagayan de Oro		08°30'.00N 124°40'.00E	25	-				
			Cotabato		N.I.	25	-				
	Republic of Korea	Main	Incheon Korea Coast Guard	004401001	37°30'.00N 126°30'.00E	120	Operational	SD	24 hrs	Incheon MRCC	
		Main	Donghae Korea Coast Guard	004401002	37°31'.00N 129°07'.00E	120				Busan MRCC	
		Main	Mokpo Korea Coast Guard	004401003	34°46'.00N 126°23'.00E	50				Donghae MRCC	
		Main	Busan Korea Coast Guard	004401004	37°07'.00N 129°02'.00E	50				Mokpo MRCC	
		Main	Jeju Korea Coast Guard	004401005	33°21'.00N 126°49'.00E	50				Jeju MRCC	
			Incheon Radio	004400001	37°34'.00N 126°41'.00E	50				PC	Incheon MRCC
			Kangnung Radio	004400601	37°45'.00N 128°53'.00E	50					Donghae MRCC
		Mokpo Radio	004400301	34°48'.00N 126°30'.00E	50	Mokpo MRCC					
		Busan Radio	004400101	35°06'.00N 129°03'.00E	50	Busan MRCC					
	Seoul Radio	004400002	37°29'.00N 128°43'.00E	50	Incheon MRCC						
Singapore	Main	Singapore Port Operations Control	005630002	01°16'.28N 103°50'.67E	25	Operational	SD	24 hrs	Singapore Port Operations Control Centre		
Thailand	Monitor	Bangkok Radio Sriracha	005671000	13°11'.39N 100°57'.010E	27	Operational	SD	24 hrs	Bangkok RCC		
		Petchaburi		12°59'.734N 100°03'.318E	27	Operational					
		Prachuab Radio		11°48'.00N 099°48'.00E	27	Planned					
		Surat Radio		09°47'.00N 099°07'.00E	27	Planned					
		Songkhla Radio		07°10'.03N 100°37'.21E	27	Planned					
		Phuket Radio		07°54'.00N 098°24'.00E	27	Planned					
Viet Nam	Main	Ho Chi Minh-Ville/XVS Radio	005743030	10°21'.28.8N 107°04'.15E	30	Operational	PS	24 hrs	Vungtau MRCC VMRCC		
	Main	Hai Phong/XVG Radio	005741040	20°47'.50N 106°42'.54E	30				Hai Phong MRCC VMRCC		

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	
XI (cont.)	Viet Nam (cont.)	Main	Da Nang/XVT Radio	005742030	16°07'.56N 108°15'.06E	30	Operational	PS	24 hrs	Danang MRCC VMRCC
		Main	Nha Trang/XVN Radio	005742080	12°29'.27N 109°15'.50E	30				Danang MRCC VMRCC
		Main	Vung Tau/XVR Radio	005743020	10°21'.59.9N 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				Haiphong MRCC VMRCC
		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				Danang MRCC VMRCC
		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				Vungtau MRCC VMRCC
		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
		Main	Phu Yen/XVY Radio	005742070	12°53'.40N 109°27'.12E	30				Danang MRCC VMRCC
		Main	Phan Thiet/XVP Radio	005743010	10°54'.55N 108°06'.11E	30				Vungtau MRCC VMRCC
		Main	Bach Long Vi							Planned
		Main	Hon La							
		Main	Cua Viet							

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	
XI (cont.)	Viet Nam (cont.)	Main	Ly Son				Planned			
		Main	Quang Ngai							
		Main	Cam Ranh							
		Main	Phu Quy							
		Main	Con Dao							
		Main	Tho Chu							
		Main	Dung Quat							
		Main	Nam Can							
		Main	Bac Lieu							
		Main	Ha Tien							
		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
	Stanby		Hong Kong Marine Rescue Radio Victoria Peak	22°16'.27N 114°08'.35E						
XII	Canada	Main	Victoria	003160011	-	-	Operational	SD	24 hrs	JRCC Victoria
		Monitor	Mount Parke		48°50'.00N 123°18'.00W	40				
			Bowen Island		49°21'.00N 123°23'.00W	40				
			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				
		Main	Vancouver	003160010	-	-	Operational	SD	24 hrs	JRCC Victoria
		Monitor	Watts Point	49°39'.00N 123°13'.00W	40					
		Main	Tofino	003160012	-	-	Operational	SD	24 hrs	JRCC Victoria
		Monitor	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	Prince Rupert	003160013	-	-	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							

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	
XII (cont.)	Canada (cont.)	Monitor	Klemtu	003160013	52°35'.00N 128°34'.00W	40	Operational	SD	24 hrs	JRCC Victoria
			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				
		Main	Comox (Cape Lazo)	003160014	-	40	Operational	SD	24 hrs	JRCC Victoria
		Monitor	Port Hardy		50°42'.00N 127°42'.00W	40				
				Discovery	003160014	50°19'.00N 125°22'.00W	40			
				Texada		49°42'.00N 124°26'.00W	40			
	Ecuador	Main	Guayaquil	007354750	02°11'.00S 079°53'.00W	30	Operational	N. I.	24 hrs	Guayaquil Coast Guard
		Monitor	Esmeraldas (Remote Controlled)	007354752	00°57'.00N 079°39'.00W	30				
			Bahia (Remote Controlled)	007354753	00°35'.00S 080°25'.00W	30				
			Manta (Remote Controlled)	007354754	00°57'.00S 080°43'.00W	30				
			Salinas (Remote Controlled)	007354755	02°12'.00S 080°52'.00W	30				
Puerto Bolivar (Remote Controlled)			007354756	03°16'.00S 080°00'.00W	30					
Main		Ayora	007354757	00°44'.50.2S 090°18'.44.8W	30					
Monitor		Baquerizo Moreno (Remote Controlled)	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)	
		Guaymas	003450610	27°54'.31N 110°55'.05W	160	Planned [2005]			Zona Naval (ZN-4)	
		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)	
		Salina Cruz	003452010	16°10'.27N 095°11'.00W	80				Zona Naval (ZN-10)	
		Lazaro Cardenas	003451610	17°57'.00N 102°12'.27W	80				Zona Naval (ZN-6)	
		Guerrero Negro	003450440	27°45'.02N 114°52'.06W	80	Planned [2006]			Zona Naval (ZN-2)	
		San Carlos	003450430	24°45'.08N 112°02'.15W	80	Planned [2006]			Subsector Naval de Puerto Cortes	
		Los Cabos	003450420	22°55'.27N 109°55'.53W	80	Planned [2006]			Sector Naval de la Paz	
		Puerto Peñasco	003450620	31°15'.06N 113°35'.23W	80	Planned [2006]			Subsector Naval	

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		
XII (cont.)	Mexico (cont.)	Monitor	Topolobampo	003450820	25°35'.07N 109°04'.20W	80	Planned [2005]	PS	24 hrs	Sector Naval	
			Puerto Vallarta	003451210	20°45'.54N 105°31'.53W	80	Operational			Sector Naval	
			Puerto Angel	003452030	15°38'.17N 096°30'.10W	160	Planned [2005]			Zona Naval (ZN-10)	
			Puerto Madero	003452210	14°45'.12N 092°25'.22W	80	Planned [2005]			Sector Naval	
	United States						Planned [2007]				
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					MRSC Petropavlovsk- Kamchatskiy
		Main	Murmansk	002734420	68°58'.00N 033°01'.00E	18					MRCC Murmansk
		Main	Arkhangelsk	002734414	64°32'.00N 040°32'.00E	25.6					MRCC Arkhangelsk
		Monitor	Mudyug	002734414	64°51'.00N 040°17'.00E	24.5					MRSC Arkhangelsk
		Main	Vanino	002734421	48°55'.00N 140°20'.00E	45				Under Trial	MRSC Yuzhno- Sakhalinsk
		Main	Yuzhno-Sakhalinsk	002733733	-	-				Operational	MRSC Yuzhno- Sakhalinsk
		Monitor	Korsakov		46°45'.00N 142°27'.00E	42					
			Nevelsk		46°38'.00N 141°51'.00E	40					
			Kholmsk		47°02'.00N 142°03'.00E	31					
		Main	Petropavlovsk-Kamchatskiy	002734418	52°59'.00N 158°39'.00E	?				Operational	MRSC Petropavlovsk- Kamchatskiy
XIV	NONE										
XV	Chile	Main	Iquique	007250020	20°21'.20S 070°06'.50W	64.2	Operational	SD	24 hrs	MRCC Iquique	
		Main	Arica	007250010	18°29'.10S 070°19'.16W	38.7				MRSC Arica	
		Main	Antofagasta	007250050	23°40'.03S 070°24'.29W	30				MRSC Antofagasta	
		Main	Tocopilla	007250030	22°05'.25S 070°12'.15W	14.5					
		Main	Mejillones	007250040	23°05'.40S 070°27'.00W	14.5					

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		
XV (cont.)	Chile (cont.)	Main	Taltal	007250060	25°24'.30S 070°29'.02W	14.5	Operational	SD	24 hrs		
		Main	Chanaral	007250070	26°21'.00S 070°38'.20W	14.5					
		Main	Caldera	007250080	27°03'.58S 070°49'.23W	14.5					MRSC Caldera
		Main	Huasco	007250090	28°27'.40S 071°13'.30W	14.5					
		Main	Isla de Pascua	007250100	27°10'.57S 109°25'.42W	44.4					MRSC Isla de Pascua
		Main	Coquimbo	007250110	29°56'.30S 071°20'.10W	62.2					MRSC Coquimbo
		Main	Los Vilos	007250120	31°54'.15S 071°31'.23W	14.5					
		Main	Quintero	007250125	32°46'.21S 071°31'.28W	14.5					
		Main	Juan Fernández	007250130	33°37'.11S 078°49'.39W	14.5					
		Main	Valparaíso	007251860	33°04'.42S 071°36'.48W	63.2					MRCC Valparaíso
		Main	San Antonio	007250140	33°34'.00S 071°37'.00W	31					MRSC San Antonio
		Main	Constitución	007250150	35°19'.10S 072°24'.05W	14.5					
		Main	Talcahuano	007250170	36°37'.25S 073°04'.05W	32.1					MRCC Talcahuano
		Main	Corral	007250210	39°53'.01S 073°25'.31W	14.5					
		Main	Valdivia	007250220	39°48'.50S 073°14'.51W	14.5					MRSC Valdivia
		Main	Puerto Montt	007250230	41°39'.15S 073°10'.13W	34.1					MRCC Puerto Montt
		Main	Corona	007250235	41°47'.04S 073°52'.33W	25.7					
		Main	Ancud	007250240	41°52'.04S 073°50'.20W	14.5					
		Main	Castro	007250250	42°28'.58S 073°46'.04W	14.5					MRSC Castro
		Main	Chaitén	007250260	42°55'.00S 072°43'.27W	14.5					
		Main	Quellon	007250270	43°07'.32S 073°37'.42W	14.5					
		Main	Melinka	007250280	43°53'.54S 073°44'.45W	14.5					
		Main	Isla Guafo	007250290	43°33'.54S 074°49'.50W	33					
		Main	Puerto Aguirre	007250294	45°09'.45S 073°31'.36W	14.5					
		Main	Puerto Chacabuco	007250298	45°26'.48S 072°49'.18W	14.5					
		Main	Aysen	007250300	45°24'.29S 072°43'.05W	15.7		MRSC Aysen			
		Main	Cabo Raper	007250310	46°49'.08S 075°37'.23W	21.5					
		Main	San Pedro	007250320	47°42'.39S 074°53'.35W	17.6					
		Main	Puerto Edén	007250330	49°08'.20S 074°27'.10W	14.5					
		Main	Puerto Natales	007250340	51°44'.54S 072°32'.10W	14.5					
		Main	Faro Evangelistas	007250350	52°23'.07S 075°05'.54W	21					
		Main	Faro Fairway	007250360	52°43'.53S 073°46'.42W	18.8					
		Main	Bahia Felix	007250370	52°57'.43S 074°04'.51W	18.8					
Main	Punta Arenas	007250380	53°09'.12S 071°02'.20W	64.2		MRCC Punta Arenas					

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	
XV (cont.)	Chile (cont.)	Main	Punta Delgada	007250390	52°27'.12S 069°33'.15W	16.8	Operational	SD	24 hrs	
		Main	Punta Dungeness	007250400	52°24'.00S 068°26'.00W	20.5				
		Main	Espíritu Santo	007250410	52°39'.32S 068°36'.42W	24.4				
		Main	Puerto Williams	007250420	54°55'.57S 067°36'.27W	22.2				MRSC Puerto Williams
		Main	Wollaston	007250430	55°36'.48S 067°25'.48W	28.2				
		Main	Diego Ramírez	007250440	56°31'.24S 068°42'.36W	28.2				
		Main	Bahía Fildes	007250450	62°11'.48S 058°55'.30W	14.5				MRSC Chilean Antarctic
		Main	Bahía Paraíso (Antarctic)	007250470	64°49'.23S 062°51'.34W	14.5				
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		MRCC Chimbote
		Main	Huacho	007600128	11°07'.S 077°37'.W	30				MRCC Huacho
		Main	Ilo	007600132	17°39'.S 071°21'.W	53				MRCC Ilo
		Main	Iquitos	007600133	03°48'.S 073°15'.W	30				MRCC Callao
		Main	Mollendo	007600129	17°01'.S 072°01'.W	30		PS		MRSC Mollendo
		Main	Paita	007600121	05°05'.S 081°07'.W	30				MRSC Paita
		Main	Pimentel	007600123	06°50'.S 079°56'.W	25		SD		MRCC Pimentel
		Main	Pisco	007600130	13°43'.S 076°13'.W	17				MRCC Pisco
		Main	Puno	007600134	15°85'.S 070°01'.W	30				MRSC Paita
		Main	Salavery	007600124	08°13'.S 078°59'.W	25				MRCC Salavery
		Main	San Juan	007600131	15°22'.S 075°10'.W	30				MRCC San Juan
		Main	Supé	007600127	10°48'.S 077°44'.W	15				MRCC Supé
		Main	Talara	007600122	04°35'.S 081°17'.W	30				MRCC Talara
		Main	Zorritos	007600120	03°40'.S 080°40'.W	30				MRCC Zorritos
			Chancay		11°35'.S 077°16'.W	30				MRCC Chancay

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 AREAS A2

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	
I	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		
	Belgium	Main	Oostende Radio	002050480	51°11'.00N 002°48'.00E	115	Operational	PS	24 hrs	Oostende
	Denmark	Main	Lyngby Radio	002191000	-	-	Operational	PS	24 hrs	SOK, Aarhus
		Monitor	Blaavand		55°33'.24N 008°06'.80E	153				
			Skagen		57°44'.00N 010°34'.00E	148				
		Main	Thorshavn Radio (Faeroes)	002311000	62°00'.00N 006°47'.00W	225				MRCC Thorshavn
	Estonia	Main	Tallinn*	002760100	59°24'.00N 024°40'.00E	150	Operational	SD	24 hrs	JRCC Tallinn
			Kuressaare	002760120	58°15'.00N 022°29'.00E	150				
		Monitor	Undva*	002761000	58°29'.00N 021°59'.00E	150		SD/PS		RCC Tallinn
	Finland	Main	Turku	002300230	-	-	Operational	SD/PS	24 hrs	MRCC Turku
		Monitor	Sondby RX	002302000	60°16'.00N 025°51'.00E	185				MRSC Helsinki
			Helsinki TX		60°09'.00N 025°09'.00E	185				
			Mariehamn TX/RX	002301000	60°07'.00N 019°57'.00E	185				MRCC Turku
			Raippaluoto TX/RX	002303000	63°18'.00N 021°06'.00E	185				MRSC Vaasa
		Hailuoto TX/RX	65°02'.00N 024°35'.00E		185					
	France	Main	Ouessant (transmission)	002275300	48°28'.00N 005°03'.00W	300	Operational	SD	24 hrs	MRCC Corsen
		Main	Corsen (reception)		48°24'.00N 004°24'.00W	300				
	Iceland	Main	Reykjavik Radio	002510100	64°05'.00N 021°51'.00W	216	Operational	N. I.	N. I.	MRCC Keflavik
		Main	Isafjorddur Radio	N. I.	66°05'.00N 023°02'.00W	227	Planned	N. I.	N. I.	MRCC Keflavik
Siglufjordur Radio			66°11'.00N 018°57'.00W		216					
Neskaupstadur Radio			65°09'.00N 013°42'.00W		194					

* Main MF stations in Estonia are reserved

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	
I (cont.)	Iceland	Main	Hornafjordur Radio	N. I.	64°15'.00N 015°13'.00W	194	Planned	N. I.	N. I.	MRCC Keflavik
			Vestmannaear Radio		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	Scheveningen (TX)		52°05'.41N 004°15'.27E	240				
		Back-up	Appingedam (TX)		53°20'.08N 006°51'.33E	150				
		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
		Monitor	Farsund	002570300	58°04'.21N 006°44'.40E	200				
		Main	Rogaland Radio (Vigre)		58°39'.00N 005°36'.00E	200				
		Monitor	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				
		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					
Bjornøya			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						

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	
I (cont.)	Poland	Main	Witowo Radio	002610210	54°32'.29N 016°32'.12E	150	Operational	SD	24 hrs	MRCK Gdynia
		Monitor	Barzowice (TX)		54°28'.25N 016°30'.19E					
			Gdynia/Oksywie (TX)		54°32'.50N 018°32'.10E					
			Grzywacz (RX)		53°57'.13N 014°30'.10E					
	Russian Federation	Main	Kaliningrad	002734417	54°45'.00N 020°35'.00E	125	Operational	SD	24 hrs	MRCC Kaliningrad
			Saint Petersburg	002733700	59°53'.00N 030°13'.00E	150				MRCC St. Petersburg
		Tx Karavaldayskiy	Rx Gorki		59°48'.00N 028°30'.00E					
					59°59'.00N 029°07'.00E					
	Sweden	Main	Göteborg	002653000	57°28'.00N 011°56'.00E	210	Operational	SD	24 hrs	MRCC Göteborg
		Monitor	Bjuröklubb		64°28'.00N 021°36'.00E	210				
			Hoburg		56°56'.00N 018°13'.00E	250				
			Stockholm (RX only)		59°16'.00N 018°42'.00E	210				
	United Kingdom	Main	Aberdeen	002320004	57°39'.00N 002°14'.00W	150	Operational	SD	24 hrs	MRCC Aberdeen
			Humber	002320007	54°07'.00N 000°05'.00W	150				MRCC Humber
			Stornoway	002320024	58°28'.00N 006°14'.00W	150				MRCC Stornoway
			Holyhead	002320018	53°18'.00N 004°41'.00W	150				MRCC Holyhead
			Falmouth	002320014	49°58'.00N 005°12'.00W	150				MRCC Falmouth
			Tiree	002320022	56°32'.00N 006°48'.00W	150				MRCC Clyde
			Milford Haven	002320017	51°41'.00N 005°10'.00W	150				MRCC Milford Haven
			Lerwick	002320001	60°09'.00N 001°08'.00W	150				MRCC Shetland
II	Benin	Main	Cotonou Radio	006100001	06°28'.00N 002°20'.00E	150	Operational	N. I.	24 hrs	PTT Cotonou
	Cameroon	Main	Douala Radio		N. I.	N. I.	Planned [N. I.]	N. I.	N. I.	
	Cape 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
	Congo	Main	Pointe Noire Radio		N. I.	N. I.	Planned [N. I.]	N. I.	N. I.	
	Côte D'Ivoire	Main	Abidjan Radio		N. I.	N. I.	Planned [N. I.]	N. I.	N. I.	
	Democratic Rep. of the Congo	Main	Banana Radio		N. I.	N. I.	Planned [N. I.]	PS	N. I.	
	France	Main	Ouessant (TX)	002275300	48°28'.00N 005°03'.00W	200	Operational	SD	24 hrs	MRCC Corsen
			Corsen (RX)		48°24'.00N 004°24'.00W	200				
Ghana	Main	Tema Radio	N. I.	05°37'.00N 000°00'.00E	100	Planned [N. I.]	N. I.	N. I.	Harbour Master's Office, Accra	

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		
II (cont.)	Guinea	Main	Kamsar Radio		N. I.	N. I.	Planned [N. I.]	N. I.	N. I.		
	Guinea-Bissau	Main	Bissau Radio		N. I.	N. I.	Planned [N. I.]	N. I.	N. I.		
	Liberia	Main	Monrovia Radio		N. I.	N. I.	Planned [N. I.]	N. I.	N. I.		
	Mauritania	Main	Nouadhibou Radio		N. I.	N. I.	Planned [N. I.]	N. I.	N. I.		
	Portugal	Main	MRCC Lisboa	002630100	38°41'.00N 009°19'.00W	200	Planned [N. I.]	SD	24 hrs	MRCC Lisboa	
			Monitor	Apulia Radio	002630200	41°28'.00N 008°45'.00W					200
			Monitor	Sagres Radio	002630400	37°00'.00N 008°56'.00W					200
		Main	MRCC Delgada	002040100	37°44'.00N 025°40'.00W	200					MRCC Delgada, RCC Lages
		Monitor	Horta Radio	002040200	38°38'.00N 028°32'.00W	200					
			Delgada Radio	002040300	37°44'.00N 025°40'.00W	200					
		Main	MRSC Funchal	002550100	32°38'.00N 016°54'.00W	200					
		Monitor	Porto Santo Radio	002550200	33°04'.00N 016°21'.00W	200					
	Senegal	Main	Dakar Radio		N. I.	N. I.	Planned [N. I.]	N. I.	N. I.		
	Sierra Leone	Main	Wilberfree Hill Radio		N. I.	N. I.	Planned [N. I.]	N. I.	N. I.		
	Spain	Main	Bilbao CCR	002241021	-	-	Operational	SD	24 hrs	MRCC Bilbao	
			Monitor	Machichaco		43°27'.02N 002°45'.12W					150
				Cabo Peñas		43°39'.22N 005°50'.53W					150
		Main	Coruña CCR	002241022	43°21'.57N 008°27'.10W	150				MRCC Gijón	
		Monitor	Finisterre		42°53'.32N 009°16'.28W	150				MRSC Coruña	
Main		Málaga CCR	002241023	-	-	MRCC Finisterre					
Monitor		Chipiona		36°40'.31N 006°24'.28W	150	MRCC Tarifa					
		Tarifa		36°02'.32N 005°33'.24W	150						
		Conil									
Main		Las Palmas CCR	002241026	27°45'.23N 015°36'.10W	150	MRCC Las Palmas					
Monitor		Arrecife		29°08'.00N 013°30'.52W	150	MRCC Tenerife					
	Tenerife		28°25'.30N 016°19'.41W	150							
III	Bulgaria	Main	Varna Radio	002070810	43°04'.00N 027°46'.00E	200	Operational	PS	24 hrs	MRCC Varna	
	Croatia	Main	MRCC Rijeka	002387010	45°19'.00N 014°27'.00E	160	Operational	SD	24hrs	MRCC Rijeka	
	Cyprus	Main	Cyprus Radio	002091000	35°02'.57N 033°17'.04E	200	Operational	PS	24 hrs	RCC 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					

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					
III (cont.)	France	Main	Porquolles (TX)	002275400	42°59'.00N 006°12'.00E	200	Operational	SD	24 hrs	MRCC La Garde				
			La Garde (RX)		43°06'.44N 005°59'.25E	200								
			Agde (RX)		43°17'.00N 003°30'.10E	200								
			Monaco (RX)		43°44'.00N 007°25'.50E	200								
	Georgia	Main	MRCC Georgia	002130100	41°38'.73N 041°39'.05E	150	Operational	SD	24 hrs	MRCC Georgia				
	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 & 002392000	37°58'.00N 023°40'.00E	100	Operational	SD	24 hrs					
	Aspropirgos Radio ⁽¹⁾		002391000	38°03'.00N 023°35'.00E	130									
	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		
Malta	Main	Malta Radio 9HD	-	-	-	Planned [2004]	SD	24 hrs	RCC Malta					
	Monitor	Benghajsa	-	35°49'.00N 014°32'.00E	250									
Romania	Main	Constanta Radio	002640570	44°06'.18N 028°37'.49E	400	Operational	PS	24 hrs	Constanta Harbour's Master					
Russian Federation	Main	Novorossiysk	002734411	44°35'.90N 037°57'.90E	173	Operational	SD	24 hrs	MRCC Novorossiysk					
	Monitor	Taganrog		47°14'.40N 038°56'.20E	70									

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

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		
III (cont.)	Russian Federation (cont.)	Monitor	Temryuk	002734411	45°19'.80N 037°13'.90E	70	Operational	SD	24 hrs	MRCC Novorossiysk	
		Main	Makhachkala (Caspian Sea)	002734423		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	-	-	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	
			Cabo de Gata		36°43'.25N 002°11'.32W	150				MRCC Almería	
	Turkey	Main	Antalya	002713000	36°09'.10N 032°26'.43E	400-500	Operational	PS	24 hrs	MSRCC Ankara	
			Canakkale	002714000	40°08'.00N 026°24'.00E	146					
			Iskenderun	002715000	36°37'.00N 036°07'.00E	146	Operational				
			Istanbul	002711000	40°59'.00N 025°49'.00E	400-500					
			Izmir	002715000	38°16'.53N 026°16'.03E						
			Mersin	002717000	36°49'.00N 034°36'.00E	146					
			Samsun	002712000	41°23'.11N 036°11'.22E	400-500	Operational				
			Trabzon	002718000	41°00'.00N 039°43'.00E	146					
	Zonguldak	002719000	41°27'.00N 031°48'.00E	146							
	Ukraine	Main	Odesa	002723660	46°22'.63N 030°45'.00E	200	On trial	SD	24 hrs	MRCC Odesa	
	IV	Bermuda (U.K.)	Main	Bermuda Harbour Radio	003100001	32°23'.00N 064°41'.00W	200	Operational	SD	24 hrs	RCC Bermuda
Greenland (Denmark)		Main	Aasiaat	003313000	-	-	Operational	SD	24 hrs	MRCC Grønødal	
			Monitor		Upernavik	72°46'.99N 056°08'.68W					280
			Sisimiut		66°55'.26N 053°39'.99W	270					
		Monitor	Nuuk		64°04'.13N 052°00'.42W	250					
			Qeqertarsuaq		69°14'.68N 053°31'.63W	280					
		Main	Qaqortoq		003311000	61°59'.71N 049°38'.51W					220
		Monitor	Paamiut			60°41'.06N 046°36'.24W					230
Ikerasassuaq				60°03'.42N 043°09'.55W	220						
Main		Angmagssalik	003314000	65°36'.52N 037°39'.39W	280						
Jamaica			N. I.			Planned [N. I.]					

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		
IV (cont.)	Mexico	Main	Tampico	003450110	22°12'.55N 097°51'.45W	150	Operational	PS	24 hrs	Zona Naval 1	
		Monitor	Veracruz	003450310	19°06'.53N 096°08'.03W	150	Planned [2005]			Zona Naval 3	
			Cd. del Carmen	003450710	18°39'.06N 092°07'.00W	150	Planned [2006]	Zona Naval 5			
			Progreso	003450910	21°16'.08N 089°41'.47W	150	Planned [2005]	Sector Naval de Yucalpeten			
		Cozumel	003451110	20°28'.28N 086°46'.00W	150	Planned [2005]	PS	24 hrs	Subsector Naval de Cozumel		
	United States	Main	Woods Hole	003669902	41°31'.00N 070°40'.00W	200	Pre-operational	SD	24 hrs	Boston	
		Monitor	Brant Point		41°18'.00N 070°05'.00W	200					
		Main	Cape May	003669903	38°57'.00N 074°53'.00W	200				Portsmouth	
			Cape Hatteras	003669906	35°14'.00N 075°32'.00W	200				Miami RCC	
			Charleston	003669907	32°47'.00N 079°57'.00W	200					
		Monitor	Sullivans Island		32°46'.00N 079°50'.00W	200				New Orleans RCC	
		Main	New Orleans	003669908	29°53'.00N 089°57'.00W	200					
		Monitor	Grand Isle		29°15'.00N 089°58'.00W	200					
		Main	Mobile	003669914	30°39'.00N 088°03'.00W	200				Miami RCC	
		Monitor	Santa Rosa		30°19'.00N 087°15'.00W	200					
		Main	Galveston	003669915	29°20'.00N 094°46'.00W	200					
		Monitor	Freeport		28°56'.00N 095°18'.00W	200					
		Main	Corpus Christi	003669916	27°48'.00N 097°24'.00W	200					
		Monitor	Port Isabel		26°04'.00N 097°10'.00W	200					
		Main	St. Petersburg		003669917	27°46'.00N 082°38'.00W					200
		Monitor	Venice	27°06'.00N 082°22'.00W		200					
		Monitor	Chokoloskee	25°50'.00N 081°23'.00W		200					
		Monitor	Mullet Key		27°38'.00N 082°44'.00W	200					
		Main	Key West	003669918	24°33'.00N 081°48'.00W	200					
		Monitor	Marathon		24°42'.00N 081°05'.00W	200					
		Main	Miami Group	003669919	25°54'.00N 080°16'.00W	200					
		Monitor	Islamorada		27°57'.00N 080°37'.00W	200					
			Ft. Pierce		27°26'.00N 080°20'.00W	200					
		Main	Fort Macon	003669920	34°41'.00N 076°41'.00W	200					Portsmouth
		Main	Southwest	003669921	44°17'.00N 068°19'.00W	200					Boston
Main		Mayport	003669925	30°23'.00N 081°19'.00W	200	Miami RCC					

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	
IV (cont.)	United States	Main	Boston Group	003669927	42°22'.00N 071°03'.00W	200	Pre-operational	SD	24 hrs	Boston
		Main	South Portland	003669928	43°39'.00N 070°15'.00W	200				
		Main	Sandy Hook	003669929	40°28'.00N 074°01'.00W	200				
		Main	New York	003669930	40°41'.00N 074°01'.00W	200				
		Main	New Haven	003669931	41°16'.00N 072°54'.00W	200				
		Main	Chincoteague	003669932	37°56'.00N 075°23'.00W	200				Portsmouth
		Main	Hampton Roads	003669933	36°53'.00N 076°21'.00W	200				
		Main	Portland	003669934	43°40'.00N 070°15'.00W	200				Boston
		Main	Moriches	003669936	40°47'.00N 072°45'.00W	200				
		Monitor	Shinnecock		40°51'.00N 072°30'.00W	200				
		Main	Boston	003669991	41°39'.00N 070°30'.00W	200	Operational	Boston RCC		
		Main	Portsmouth	003669995	36°44'.00N 076°01'.00W	200		Portsmouth		
		Main	Miami	003669997	25°37'.00N 080°23'.00W	200		Miami RCC		
	Main	San Juan	003669992	18°28'.00N 066°07'.00W	200	Pre-operational	San Juan RCC			
Main	New Orleans	003669998	29°53'.00N 089°57'.00W	200	Operational	New Orleans RCC				
Venezuela	N. I.					Planned [1999]				
V	NONE									
VI	Argentina	Main	Argentina Radio	007010111	34°36'.00S 058°28'.00W	200	Operational	PS SD	24 hrs	MRCC Buenos Aires
		Main	Mar del Plata	007010221	38°03'.00S 057°32'.00W	150				MRCC Puerto Belgrano
		Main	Mar del Plata PNA Radio	007010003	38°03'.00S 057°32'.00W	150				MRSC Mar del Plata
		Main	Rawson Radio	007010007	43°20'.00S 065°03'.00W	150				MRCC Puerto Belgrano
		Main	Comodoro Rivadavia Radio	007010008	45°51'.00S 067°25'.00W	150				MRSC Comodoro Rivadavia
		Main	Rio Gallegos PNA Radio	007010010	51°37'.00S 069°03'.29W	150				MRSC Rio Gallegos
		Main	Ushuaia PNA Radio	007010011	54°48'.00S 068°18'.00W	150				MRCC Ushuaia
		Main	I. Orcadas Radio	N. I.	60°45'.00S 044°44'.00W	150				
		Main	San Blas PNA Radio	007010006	40°33'.00S 062°14'.00W	150				MRSC Bahia Blanca
	Uruguay	Main	Montevideo Radio	007703870	34°52'.00S 056°19'.00W	100	Operational	SD	24 hrs	MRCC Uruguay
VII	Angola	Main	Luanda Radio		N. I.	200	Planned [N. I.]	N. I.	N. I.	
	Comoros	Main	Moroni Radio		N. I.	200	Planned [N. I.]	N. I.	N. I.	
	Madagascar	Main	Toamasina Radio		N. I.	200	Planned [N. I.]	N. I.	N. I.	
		Main	Mahajanga Radio		N. I.	200				

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		
VII (cont.)	Madagascar (cont.)	Main	Toliara Radio		N. I.	200	Planned [N. I.]	N. I.	N. I.		
	Mozambique	Main	Maputo Radio		N. I.	200	Planned [N. I.]	N. I.	N. I.		
	South Africa		N. I.		N. I.	200	Planned [N. I.]	N. I.	N. I.		
VIII	India	Main	Mumbai	004192203	18°55'.00N 072°50'.00E	-	Planned [2002]			Likely to be installed by end 2002	
		Main	Chennai	004194401	13°06'.00N 080°18'.00E	-					
		Main	Port Blair	004194409	11°41'.00N 092°46'.00E	200	Operational			MRCC Port Blair	
		Main	Porbandar	004192202	21°38'.00N 069°37'.00E	200	Operational			MRCC Mumbai	
		Main	Haldia	004194404	22°02'.00N 088°06'.00E	200				MRCC Chennai	
		Main	Mandapam	004194406	09°17'.00N 079°05'.00E	250				MRCC Chennai	
		Main	Daman	004192201	20°25'.00N 072°52'.00E	250				MRCC Mumbai	
	Kenya	Main	Mombasa Radio		N. I.	200	Planned [N. I.]	N. I.	N. I.		
	Mauritius	Main	Cassis	006452700	20°10'.14S 057°29'.10E	150	Operational	SD	24 hrs	-	
	Myanmar		TBD								
	Seychelles	Main	Seychelles Radio		N. I.	200	Planned [N. I.]	N. I.	N. I.		
Tanzania	Main	Dar-es-Salaam Radio		N. I.	200	Planned [N. I.]	N. I.	N. I.			
IX	Djibouti	Main	Djibouti Radio		N. I.	200	Planned [N. I.]	N. I.	N. I.		
	Egypt	Main	Kosseir Radio	006221112	26°06'.00N 034°17'.00E	200	Operational	PS	24 hrs	RCC Cairo	
	Iran	Main	Abbas Radio	004225304	27°07'.00N 056°04'.00E	200	Planned	PS	24hrs		
		Main	Bushehr Radio	004225302	28°59'.00N 050°49'.00E						
		Main	Chabahar Radio	004225301	25°17'.00N 060°38'.00E						
		Main	Anzali Radio (Caspian Sea)	004225305	37°28'.00N 049°27'.00E		Operational		HQ PSO Tehran		
	Jordan	Main	Aqaba Radio	004381234	29°33'.00N 034°59'.00E	350	Planned [N. I.]	PS	24 hrs		
	Oman	Main	Muscat Radio		23°36'.00N 058°30'.00E	100	Planned [N. I.]	PS	N. I.	HQ Royal Air Force of Sultanate of Oman	
	Saudi Arabia	Main	Damman Radio	-	26°26'.00N 050°06'.00E	200	Planned [N. I.]	N. I.	N. I.		
		Main	Jeddah Radio	004030000	21°14'.00N 039°09'.00E	500	Operational	SD	24 hrs	RCC Riyadh	
Sudan	Main	Port Sudan Radio		N. I.	200	Planned [N. I.]	N. I.	N. I.			
United Arab Emirates	N. I.	N. I.		N. I.	200	Planned [1995]	N. I.	N. I.			

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	
X	NONE									
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
		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
	Guam (United States)	Main	Guam	003669994	13°29'.00N 144°50'.00E	200	Pre-operational	SD	24 hrs	Honolulu
	Indonesia	Main	Ambina	005250006	03°41'.57W 128°10'.40E	100	Operational	PS	24 hrs	MRSC Ambon
		Main	Atapupu	-	09°01'.30S 124°51'.40E	100	Planned			MRSC Kupang
		Main	Balikpapan	005250009	01°16'.15S 116°48'.30E	100	Operational			MRSC Balikpapan
		Main	Banabungi	-	05°30'.50S 122°50'.40E	100	Planned			MRSCC Ujung Pandang
		Main	Banjarmasin	-	03°19'.40S 114°35'.35E	100				MRSC Banjarmasin
		Main	Batu Ampar	005250012	01°09'.50N 104°00'.01E	100	Operational			MRSC Tanjung Pinang
		Main	Bawean	-	05°51'.20S 112°39'.20E	100	Planned			MRCC Surabaya
		Main	Belawan	005250003	03°43'.17N 098°40'.08E	100	Operational			MRSC Medan
		Main	Bengkulu	-	03°46'.30S 102°18'.31E	100	Planned			MRSC Palembang
		Main	Benoa	005250014	08°44'.40S 115°12'.32E	100				MRSC Denpasar
		Main	Biak	005250031	01°11'.10S 136°04'.36E	100	Operational			MRCC Biak
		Main	Bima	-	08°26'.28S 118°43'.28E	100	Planned			MRSC Denpasar

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	
XI (cont.)	Indonesia (cont.)	Main	Bintuni	-	02°07'.11S 133°30'.04E	100	Planned	PS	24 hrs	MRSC Sorong
		Main	Bitung	005250005	01°26'.50N 125°10'.53E	100	Operational			MRSC Manado
		Main	Celukan Bawang	-	08°11'.23S 114°49'.49E	100	Planned			MRSC Palembang
		Main	Cigading	005250033	05°56'.05S 106°00'.23E	100	Operational			MRCC Jakarta
		Main	Cilacap	005250030	07°44'.25S 109°02'.23E	100				MRCC Jakarta
		Main	Cirebon	005250032	06°43'.00S 108°34'.20E	100	Planned			MRCC Jakarta
		Main	Dabo Singkep	-	00°30'.10S 104°34'.00E	100	Planned			MRSC Pekanbaru
		Main	Donggala	-	00°40'.30S 119°44'.47E	100				MRSC Manado
		Main	Dumai	005250004	01°41'.10N 101°27'.20E	100	Operational			MRSC Pekanbaru
		Main	Ende	-	08°50'.20S 121°38'.38E	100	Planned			MRSC Kupang
		Main	Fak-Fak	005250026	02°56'.02S 131°17'.56E	100	Operational			MRSC Sorong
		Main	GN Sitoli	-	02°16'.53N 097°37'.16E	100	Planned			MRSC Medan
		Main	Gorontalo	-	00°30'.30N 123°03'.49E	100				MRSC Manado
		Main	Gresik	-	07°09'.30S 112°35'.40E	100				MRCC Surabaya
		Main	Jakarta	005250000	06°07'.28S 106°51'.16E	100				MRCC Jakarta
		Main	Jambi	-	01°36'.50S 103°36'.51E	100				MRSC Padang
		Main	Jayapura	005250007	02°31'.10S 140°43'.22E	100	Operational			MRSC Jayapura
		Main	Kaimana	-	03°40'.00S 135°45'.15E	100	Planned			MRSC Sorong
		Main	Kalabahi	-	08°13'.18S 124°30'.40E	100				MRSC Denpasar
		Main	Kalianget	-	07°04'.05S 113°58'.42E	100				MRCC Surabaya
		Main	Kendari	005250019	03°58'.38S 122°25'.55E	100	Operational			MRCC Ujung Pandang
		Main	Kupang	005250010	10°12'.49S 123°37'.24E	100	Operational			MRSC Kupang
		Main	Lahewa	-	01°24'.00N 097°09'.20E	100	Planned			MRCC Ujung Pandang
		Main	Larantuka	-	08°20'.28S 122°59'.25E	100	Planned			MRSC Kupang
		Main	Lembar	005250022	08°43'.41S 116°04'.23E	100	Operational			MRSC Denpasar
		Main	Luwuk	-	00°56'.58S 122°47'.24E	100	Planned			MRSC Manado
		Main	Makassar	005250002	05°06'.30S 119°26'.20E	100	Operational			MRCC Ujung Pandang
		Main	Manokwari	005250023	00°51'.56S 134°04'.37E	100	Operational			MRCC Biak
		Main	Masalembo	-	05°34'.00S 114°27'.00E	100	Planned			MRCC Ujung Pandang

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	
XI (cont.)	Indonesia (cont.)	Main	Maumere	-	08°37'.00S 122°13'.08E	100	Planned	PS	24 hrs	MRSC Kupang
		Main	Menado	-	01°29'.47N 124°50'.41E	100				MRSC Menado
		Main	Meneng	-	08°07'.30S 114°23'.50E	100				MRCC Surabaya
		Main	Merauke	005250021	08°28'.47S 140°23'.38E	100	Operational	MRSC Merauke		
		Main	Padang Bai	-	08°32'.00S 115°30'.28E	100	Planned	MRSC Padang		
		Main	Palembang	-	02°58'.08S 104°46'.44E	100		MRSC Palembang		
		Main	Panarukan	-	07°41'.45S 113°56'.02E	100	Planned	MRCC Surabaya		
		Main	Pangkal Balam	-	02°02'.07S 106°08'.00E	100		MRSC Tanjung Pinang		
		Main	Panjang	005250013	05°28'.23S 105°19'.03E	100	Operational	MRSC Palembang		
		Main	Parigi	-	00°48'.45N 120°10'.45E	100	Planned	MRSC Menado		
		Main	Pontianak	005250016	00°01'.36N 109°17'.18E	100	Operational	MRSC Pontianak		
		Main	Poso	-	01°22'.48N 120°45'.20E	100	Planned	MRSC Menado		
		Main	Probolinggo	-	07°23'.00S 113°13'.00E	100		MRCC Surabaya		
		Main	Pulang Pisau	-	02°45'.00S 114°15'.00E	100		MRSC Tanjung Pinang		
		Main	Pulau Sambu	-	01°09'.08N 103°53'.58E	100	Operational	MRSC Medan		
		Main	Rangat	-	00°28'.29S 102°41'.10E	100		MRSC Balikpapan		
		Main	Sabang	-	05°04'.00N 095°21'.00E	100		MRSC Banjarmasin		
		Main	Samarinda	-	00°30'.30S 117°09'.12E	100	Operational	MRSC Ambon		
		Main	Sampit	-	02°33'.26S 112°57'.24E	100		MRSC Tanjung Pinang		
		Main	Sanana	005250025	02°03'.02S 125°58'.02E	100	Operational	MRSC Tanjung Pinang		
		Main	Sei Kolak Kijang	005250029	00°51'.04N 104°36'.31E	100		MRSC Tanjung Pinang		
		Main	Selat Panjang	-	01°01'.15N 102°43'.10E	100	Planned	MRSC Tanjung Pinang		
		Main	Semarang	005250008	06°58'.35E 110°20'.50E	100	Operational	MRCC Surabaya		
		Main	Serui	-	01°53'.12S 136°14'.27E	100	Planned	MRCC Biak		
		Main	Siau	-	02°44'.00N 124°24'.01E	100	Planned	MRSC Menado		
		Main	Sibolga	005250028	01°43'.54N 098°47'.00E	100	Operational	MRSC Medan		
		Main	Sintete	-	01°11'.42N 109°03'.38E	100	Planned	MRSC Pontianak		
		Main	Sorong	005250011	00°53'.03S 131°16'.29E	100	Operational	MRSC Sorong		
		Main	Sunda Kelapa	-	06°07'.24S 106°48'.30E	100	Planned	MRCC Jakarta		

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		
XI (cont.)	Indonesia (cont.)	Main	Surabaya	005250001	07°11'.05S 112°44'.08E	100	Operational	PS	24 hrs	MRCC Surabaya	
		Main	Tahuna	005250024	03°35'.20N 125°30'.10E	100	Planned			MRSC Menado	
		Main	Tarakan	005250017	03°17'.20N 117°35'.25E	100	Operational			MRSC Balikpapan	
		Main	Tegal	-	06°51'.01S 109°08'.05E	100	Planned			MRCC Jakarta	
		Main	Teluk Bayur	-	01°00'.10S 100°21'.55E	100				MRSC Padang	
		Main	Teluk Dalam	-	00°33'.52N 097°49'.05E	100	Planned			MRSC Padang	
		Main	Tembilahan	-	00°19'.04S 103°09'.41E	100				MRSC Tanjung Pinang	
		Main	Ternate	005250020	00°47'.00N 127°21'.52E	100	Operational			MRSC Ambon	
		Main	TG Balai Karimun	-	00°59'.17N 103°26'.14E	100	Planned			MRSC Tanjung Pinang	
		Main	TG Uban	-	01°03'.05N 104°13'.27E	100				MRSC Menado	
		Main	Toli-Toli	-	01°03'.18N 120°48'.20E	100	MRSC Ambon				
		Main	Tual	-	05°38'.00S 132°44'.27E	100	MRSC Menado				
		Main	Olee Lheue	-	05°33'.42S 095°17'.10E	100	MRSC Kupang				
		Main	Waingapu	-	09°39'.42S 120°15'.22E	100					
	Japan	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		

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	
XI (cont.)	Japan (cont.)	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
		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				
		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	Main	Miri	005330013	04°28'.00N 114°01'.00E	200	Planned [2002]	PS	24 hrs	MRCC Port Klang
Sandakan				05°40'.00N 118°06'.00E	200					
Penang				05°22'.00N 100°18'.00E	200					
Monitor		Kuantan	005330008	04°06'.00N 103°23'.00E	200	Operational				
		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						

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					
XI (cont.)	Philippines	Main	Manila		14°30'.00N 121°04'.00E	150	Planned	SD	24 hrs	Manila and 12 stations				
		Monitor	Batangas		13°45'.00N 121°03'.00E	150								
			Iloilo		10°42'.00N 122°35'.00E	150								
			San Fernando		16°36'.00N 120°18'.00E	150								
			Aparri		18°22'.00N 121°38'.00E	150								
			Legaspi		13°09'.00N 123°44'.00E	150								
			San Jose		12°20'.00N 121°05'.00E	150								
			Davao		07°07'.00N 125°37'.00E	150								
			Puerto Princesa		200	150								
			Surigao		09°47'.00N 125°29'.00E	150								
			Cebu		10°19'.00N 125°55'.00E	150								
		Zamboanga		06°59'.00N 122°02'.00E	150									
	General Santos		06°05'.00N 125°09'.00E	150										
	Republic of Korea	Main	Inchon Korea Coast Guard	004401001	37°30'.00N 126°30'.00E	250	Operational	SD	24 hrs	Incheon MRCC				
		Main	Donghae Korea Coast Guard	004401002	37°31'.00N 129°07'.00E	250					PC	Busan MRCC		
		Main	Mokpo Korea Coast Guard	004401003	34°46'.00N 126°23'.00E	250							Incheon MRCC	
		Main	Busan Korea Coast Guard	004401004	37°07'.00N 129°02'.00E	250								Donghae MRCC
		Main	Jeju Korea Coast Guard	004401005	33°21'.00N 126°49'.00E	250								
			Incheon Radio	004400001	37°34'.00N 126°41'.00E	250		Jeju MRCC						
			Kangnung Radio	004400601	37°45'.00N 128°53'.00E	250				Incheon MRCC				
		Mokpo Radio	004400301	34°48'.00N 126°30'.00E	250	Donghae MRCC								
		Busan Radio	004400101	35°06'.00N 129°03'.00E	250						Mokpo MRCC			
		Seoul Radio	004400002	37°29'.00N 128°43'.00E	250							Busan MRCC		
Thailand	Monitor	Bangkok Radio Sriracha	005671000	13°06'.209N 100°55'.614E	162		Operational	SD	24 hrs				Bangkok RCC	
		Songkhla Radio		07°10'.03N 100°37'.21E						162				Planned
Viet Nam	Main	Ho Chi Minh Ville/ XVS Radio	005743030	10°23'.32N 107°08'.57E	200	Operational	PS	24 hrs	Vungtau MRCC					
	Main	Hai Phong/XVG Radio	005741040	20°50'.55N 106°41'.19E	200				Haiphong MRCC					
	Main	Da Nang/XVT Radio	005742030	16°03'.32N 108°12'.32E	200				Danang MRCC					
									VMRCC					

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	
XI (cont.)	Viet Nam (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				Haiphong MRCC VMRCC
		Main	Ben Thuy/XVB Radio	005741070	18°30'.57N 105°42'.21E	200				Haiphong MRCC VMRCC
		Main	Hue/XVD Radio	005742020	16°32'.38N 107°38'.24E	200				Danang MRCC VMRCC
		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				Vungtau MRCC VMRCC
		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'.51N 114°15'.00E	200	Operational	SD	24 hrs	Hong Kong MRCC
XII	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
		Monitor	Acapulco	003451810	16°50'.15N 099°54'.00W	150	Planned [2005]			Zona Naval 8
			Ensenada	003450210	31°51'.08N 116°37'.07W	150				Zona Naval 2
			Manzanillo	003451410	19°01'.51N 104°19'.11W	150				Sector Naval
			La Paz	003450410	24°03'.43N 110°24'.38W	150				Planned [2006]
		Guerrero Negro	003450440	27°45'.17N 114°52'.00W	150	Zona Naval 2				
		Salina Cruz	003452010	16°10'.27N 095°12'.00W	150	Planned [2005]	Zona Naval 10			
	United States	Main	Port Angeles	003669904	48°08'.00N 123°24'.00W	200	Pre-operational	SD	24 hrs	Seattle
Monitor		Quillayute	47°54'.00N 124°38'.00W		200					

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	
XII (cont.)	United States (cont.)	Main	Honolulu	003669905	21°18'.00N 157°52'.00W	200	Pre-operational	SD	24hrs	Honolulu
		Monitor	Lualuaci		21°16'.00N 158°09'.00W	200				
		Main	Humboldt Bay	003669909	40°46'.00N 124°03'.00W	200				Alameda
		Monitor	Point Arena		38°57'.00N 123°44'.00W	200				
		Main	Monterey	003669910	36°40'.00N 121°55'.00W	200				
		Monitor	Point Pinos		36°38'.00N 121°56'.00W	200				
		Main	North Bend	003669911	43°25'.00N 124°14'.00W	200				Seattle
		Monitor	Cape Arago		43°20'.00N 124°22'.00W	200				
		Main	Long Beach	003669912	33°47'.00N 118°13'.00W	200				Alameda
		Monitor	Point Conception		34°27'.00N 120°28'.00W	200				
		Main	San Diego	003669913	32°44'.00N 117°10'.00W	200				Alameda
		Monitor	San Clemente		32°53'.00N 118°27'.00W	200				
		Main	Juneau	003669922	58°18'.00N 134°25'.00W	200				Juneau
		Monitor	Lena Point		58°23'.00N 134°45'.00W	200				
			Yakutat		59°33'.00N 139°44'.00W	200				
		Main	Ketchikan	003669923	55°54'.00N 131°50'.00W	200				
		Monitor	Pt. Higgins		55°54'.00N 131°50'.00W	200				
		Main	Valdez	003669924	61°08'.00N 145°21'.00W	200				
		Monitor	Cape Hinchinbrook		61°14'.00N 146°38'.00W	200				
			Cape Yakataga		60°04'.00N 142°25'.00W	200				
		Main	San Francisco	003669926	37°38'.00N 122°23'.00W	200				Alameda
		Main	Astoria	003669935	46°12'.00N 123°57'.00W	200				Seattle
		Monitor	Ft. Stevens		46°12'.00N 123°57'.00W	200				
		Main	San Francisco	003669990	37°56'.00N 122°44'.00W	200				Alameda
Main	Kodiak	003669899	57°46'.00N 152°34'.00W	200	Juneau					
Main	Honolulu	003669993	21°26'.00N 158°09'.00W	200	Honolulu					
XIII	Russian Federation	Main	Vladivostok (Cape of Kamenskiy)	002734412	42°45'.00N 133°02'.00E	150 ²	Operational	SD	24 hrs	MRCC Vladivostok
		Main	Vanino		49°05'.00N 140°20'.00E	150	Planned [2007]			MRSC Yuzhno-Sakhalinsk

² 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 Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation	Purpose (SD/PS)	Watch hours on 2187.5 kHz	
XIII (cont.)	Russian Federation (cont.)	Main	Yuzno-Sakhalinsk	002733733	-	165	Operational	SD	24 hrs	MRSC Yuzhno-Sakhalinsk
			Rx Nevelsk		46°39'.00N 141°52'.00E					
			Tx Seleznevo		46°37'.00N 141°50'.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	SD	24 hrs	MRSC Petropavlovsk-Kamachatskiy, MRSC Yuzhno-Sakhalinsk
			Rx Chirikov Cape		59°29'.00N 150°31'.00E					
Main	Arkhangelsk	002734414	64°21'.00N 040°37'.00E	White Sea basin till lat. 66N in the mouth	Operational	SD	24 hrs	MRSC Arkhangelsk		
Main	Murmansk	002734420	68°52'.00N 033°05'.00E	170 ³	Operational	PS		MRCC Murmansk		
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°21'.20S 070°06'.50W	180	Operational	SD	24 hrs	MRCC Iquique
		Main	Arica	007250010	18°29'.10S 070°19'.16W	180				MRSC Arica
		Main	Antofagasta	007250050	23°40'.03S 070°24'.29W	180				MRSC Antofagasta
		Main	Valparaíso	007251860	33°04'.42S 071°36'.48W	180	PS	SD		MRCC Valparaíso
		Main	Caldera	007250080	27°03'.58S 070°49'.23W	180				MRSC Caldera
		Main	Isla de Pascua	007250100	27°10'.57S 109°25'.42W	180				MRSC Isla de Pascua
		Main	Coquimbo	007250110	29°56'.30S 071°20'.10W	180	SD			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				

³ Except the area beneath latitude 69NS

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	
XV (cont.)	Chile (cont.)	Main	Talcahuano	007250170	36°37'.25S 073°04'.05W	180	Operational	SD	24 hrs	MRCC Talcahuano
			Valdivia							MRSC Valdivia
		Main	Puerto Montt	007250230	41°39'.15S 073°10'.13W	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'.12S 071°02'.20W	180				MRCC Punta Arenas
		Main	Puerto Williams	007250420	54°55'.57S 067°36'.27W	180				MRSC Puerto Williams
			Antártica Chilena							MRSC Antártica Chilena
		Main	San Pedro	007250320	47°42'.39S 074°53'.35W	180				
		Main	Bahia Felix	007250370	52°57'.43S 074°04'.51W	180				
Main	Punta Delgada	007250390	52°27'.12S 069°33'.15W	180						
XVI	Perú	Main	Paita	007600121	05°05'.00S 081°07'.00W	200	Operational	PS	24 hrs	Paita
		Main	Callao	007600125	12°03'.00S 077°09'.00W	200				Callao
		Main	Mollendo	007500129	17°01'.00S 072°01'.00W	200				Mollendo

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 Station							RCC Associated
		Name	MMSI	Position	Status of implementation	Purpose (SD/PS)	Frequency Band*	Watch hours	
I	Denmark	Lyngby Radio	002191000	55°50'.00N 011°25'.00E	Operational	SD	4,6,8,12,16 MHz	24 hrs	SOK, Aarhus
	Iceland	Reykjavik Radio		64°05'.00N 021°51'.00W	Planned [N. I.]	N. I.	4,6,8,12,16 MHz	N. I.	
	Poland	Szczecin Radio		53°28'.00N 014°35'.00E	Planned [N. I.]	N. I.	8, 12, 16 MHz	24 hrs	Polratok Gdynia Polratok Swinoujscie
II	Cape Verde	Sao Vicente Radio		N. I.	Planned	N. I.	N. I.	N. I.	
	Congo	Pointe Noire Radio		N. I.	Planned [N. I.]	N. I.	N. I.	N. I.	
	Côte D'Ivoire	Abidjan		N. I.	Planned [N. I.]	N. I.	N. I.	N. I.	
	Ghana	Tema Radio		05°37'.00N 000°00'.00W	Planned [N. I.]	N. I.	4, 8 MHz	N. I.	Harbour Master Accra
	Liberia	Monrovia Radio		N. I.	Planned [N. I.]	N. I.	N. I.	N. I.	
	Portugal	Delgada	002040100	37°44'.00N 025°40'.00W	Planned [N. I.]	SD	4, 6, 8 MHz	24 hrs	MRCC Delgada
		Horta Radio	002040200	38°38'.00N 028°32'.00W	Planned [N. I.]	SD	4, 6, 8 MHz	24 hrs	RCC Lages
	Senegal	Dakar Radio		N. I.	Planned [N. I.]	N. I.	N. I.	N. I.	
	Sierra Leone	Wiberfree Hill Radio		N. I.	Planned [N. I.]	N. I.	N. I.	N. I.	
Spain	Madrid CCR	002241078	40°21'.48N 003°17'.04W	Operational	SD	8, 12 MHz	24 hrs	MRCC Madrid	
III	Cyprus	Cyprus Radio	002091000	35°03'.00N 033°17'.00E	Operational	PS	4, 8, 16 MHz	24 hrs	RCC 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 37 58N 23 40E
		Piraeus Joint JRCC(1)	237673000	37°58'.00N 023°40'.00E	Operational	SD	4,6,8,12,16 MHz	24 hrs	
		Aspropirgos Radio ⁽¹⁾	002391000	38°03'.00N 023°35'.00E	Operational	SD	4,6,8,12,16 MHz	24 hrs	
	Italy	TBD							
	Malta	Malta Radio		35°49'.00N 014°32'.00E	Planned [1998]	PC			
	Romania	Constanta Radio	002640570	44°06'.18N 028°37'.49E	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
Turkey	Istanbul	002711000	40°59'.00N 025°49'.00E	Operational	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.

NAV/MET AREA	Country	HF DSC Coast Station							RCC Associated
		Name	MMSI	Position	Status of implementation	Purpose (SD/PS)	Frequency Band*	Watch hours	
IV	Canada	Iqaluit	003160023	63°44'.00N 068°33'.00W	Operational	PS	4,6,8,12,16 MHz	24 hrs	JRCC Trenton
	Mexico	XDA Cerrillo Nopaltepec	003450010	19°46'.07N 098°42'.06W	Planned [2006]	PS	4,6,8,12,16 MHz	24 hrs	Centro de coordinación nacional de búsqueda y salvamento - EDOMAYGRALTER
	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	Portsmouth
		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	Planned [2006]	SD	4,6,8,12,16 MHz	24 hrs	San Juan
		New Orleans	003669994	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	Argentina Radio	007010111	34°36'.00S 058°28'.00W	Operational	PS	4,6,8,12,16 MHz	24 hrs	MRCC Buenos Aires
		Mar del Plata PNA Radio	007010003	38°03'.00S 057°32'.00W	Operational	SD	4,6,8,12,16 MHz	24 hrs	MRSC Mar del Plata
		Comodoro Rivadavia PNA Radio	007010008	45°51'.00S 067°25'.00W	Operational	SD	4,6,8,12,16 MHz	24 hrs	MRSC Comodoro Rivadavia
	Uruguay	Montevideo	007703870	34°52'.00S 056°19'.00W	Operational	SD	4,6,8,12,16 MHz	24 hrs	MRCC Uruguay
VII	Angola	Luanda Radio		N. I.	Planned [N. I.]	N. I.	N. I.		
	Mauritius	Mauritius Radio	-	-	Planned	-	-	-	-
	Mozambique	Maputo Radio		N. I.	Planned [N. I.]	N. I.	N. I.		
	South Africa	Cape Town Radio	006010001	33°40'.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	Planned [2002]	-			Likely to be installed by end 2002
		Chennai	004194401	13°06'.00N 080°18'.00E	Planned [2002]	-			Likely to be installed by end 2002
		Port Blair	004194409	11°41'.00N 092°46'.00E	Operational			SRR and beyond	MRCC Port Blair
		Porbandar	004192202	21°38'.00N 069°37'.00E	Operational			SRR and beyond	MRCC Mumbai
		Haldia	004194404	22°02'.00N 088°06'.00E	Operational			SRR and beyond	MRCC Chennai
		Mandapam	004194406	09°17'.00N 079°05'.00E	Operational			SRR and beyond	MRCC Chennai
		Daman	004192201	20°25'.00N 072°52'.00E	Operational			SRR and beyond	MRCC Mumbai
	Myanmar	TBD							
	Seychelles	Seychelles Radio		N. I.	Planned [N. I.]	N. I.	N. I.		
Tanzania	Dar-es-Salaam Radio		N. I.	Planned [N. I.]	N. I.	N. I.	N. I.		

NAV/MET AREA	Country	HF DSC Coast Station							RCC Associated
		Name	MMSI	Position	Status of implementation	Purpose (SD/PS)	Frequency Band*	Watch hours	
IX	Jordan	Aqaba Radio		29°33'.00N 034°59'.00E	Planned [N. I.]	PS	4,8,12,16 MHz	N. I.	
	Oman	Muscat Radio		23°36'.00N 058°30'.00E	Planned [N. I.]	PS	4 MHz	0400-0500 UTC 1500-1700 UTC	HQ Royal Air Force of Sultanate of Oman
				23°36'.00N 058°30'.00E	Planned [N. I.]	PS	8 MHz	0500-0700 UTC 1300-1500 UTC	
				23°36'.00N 058°30'.00E	Planned [N. I.]	PS	12 MHz	0700-0900 UTC 1100-1300 UTC	
				23°36'.00N 058°30'.00E	Planned [N. I.]	PS	16 MHz	0900-1100 UTC	
	Saudi Arabia	Damman Radio		26°26'.00N 050°06'.00E	Planned [N. I.]	N. I.	4,6,8,12,16 MHz	N. I.	
	Sudan	Port Sudan Radio		N. I.	Planned [N. I.]	N. I.	N. I.	N. I.	
United Arab Emirates	N. I.		N. I.	Planned [1995]	N. I.	4,6,8,12,16 MHz	N. I.		
X	Australia	Wiluna	005030001	26°20'.45S 120°33'.4 E	Operational	SD	4,6,8,12,16 MHz	24 hrs	RCC Australia
		Charleville	005030001	26°19'.83S 146°15'.85E		SD	4,6,8,12,16 MHz	24 hrs	
XI	China	Shanghai Radio	004122100	31°06'.00N 121°32'.00E	Planned [2002]	SD	4,6,8,12,16 MHz	24 hrs	Shanghai MRCC
	Indonesia	Amboina	005250006	03°41'.57S 128°10'.40E	Operational	PS	4,6,8 MHz	24 hrs	MRCC Ujung Pandang
		Balikpapan	005250009	01°16'.15S 116°48'.30E	Operational	PS	8 MHz	24 hrs	MRCC Surabaya
		Banjarmasin		03°19'.40S 114°35'.35E	Planned	PS	N. I.	24 hrs	MRCC Surabaya
		Belawan	005250003	03°43'.17N 098°40'.08E	Operational	PS	4,6,8,12,16 MHz	24 hrs	MRCC Jakarta
		Bitung	005250005	01°26'.50N 125°10'.53E	Operational	PS	4,6,8,12,16 MHz	24 hrs	MRCC Ujung Pandang
		Dumai	005250004	01°41'.10N 101°27'.20E	Operational	PS	4,6,8,12,16 MHz	24 hrs	MRCC Jakarta
		Jakarta	005250000	06°07'.28S 106°51'.16E	Operational	PS	4,6,8,12,16 MHz	24 hrs	MRCC Jakarta
		Jayapura	005250007	02°31'.10S 140°43'.22E	Operational	PS	4,6,8,12,16 MHz	24 hrs	MRCC Biak
		Kupang	005250010	10°12'.49S 123°37'.24E	Operational	PS	8 MHz	24 hrs	MRCC Ujung Pandang
		Makassar	005250002	05°06'.30S 119°26'.20E	Operational	PS	4,6,8,12,16 MHz	24 hrs	MRCC Ujung Pandang
		Semarang	005250008	06°58'.35S 110°20'.50E	Operational	PS	8 MHz	24 hrs	MRCC Surabaya
		Sorong	005250011	00°53'.03S 131°16'.29E	Operational	PS	8 MHz	24 hrs	MRCC Biak
		Surabaya	005250001	07°11'.05S 112°44'.08E	Operational	PS	4,6,8,12,16 MHz	24 hrs	MRCC Surabaya
		Cilacap	005250030	07°44'.25S 109°02'.23E	Operational		8 MHz	24 hrs	MRCC Jakarta
Merauke	005250021	08°37'.00S 122°13'.08E	Operational		8 MHz	24 hrs	MRCC Merauke		
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	

NAV/MET AREA	Country	HF DSC Coast Station							RCC Associated
		Name	MMSI	Position	Status of implementation	Purpose (SD/PS)	Frequency Band*	Watch hours	
XI (cont.)	Philippines	Manila			Planned [TBDL]	SD	4,6,8,12,16 MHz	24 hrs	Manila
	Republic of Korea	Incheon Korea Coast Guard	004401001	37°30'.00N 126°30'.00E	Operational	SD	4,6,8,12,16 MHz	24 hrs	Incheon MRCC
		Donghae Korea Coast Guard	004401002	37°31'.00N 129°07'.00E	Operational	SD	4,6,8,12,16 MHz	24 hrs	Busan MRCC
		Mokpo Korea Coast Guard	004401003	34°46'.00N 126°23'.00E	Operational	SD	4,6,8,12,16 MHz	24 hrs	Donghae MRCC
		Busan Korea Coast Guard	004401004	37°07'.00N 129°02'.00E	Operational	SD	4,6,8,12,16 MHz	24 hrs	Mokpo MRCC
		Jeju Korea Coast Guard	004401005	33°21'.00N 126°49'.00E	Operational	SD	4,6,8,12,16 MHz	24 hrs	Jeju MRCC
		Incheon Radio	004400001	37°34'.00N 126°41'.00E	Operational	PC	4,6,8,12,16 MHz	24 hrs	Incheon MRCC
		Kangnung Radio	004400601	37°45'.00N 128°53'.00E	Operational	PC	4,6,8,12,16 MHz	24 hrs	Donghae MRCC
		Mokpo Radio	004400301	34°48'.00N 126°30'.00E	Operational	PC	4,6,8,12,16 MHz	24 hrs	Mokpo MRCC
		Busan Radio	004400101	35°06'.00N 129°03'.00E	Operational	PC	4,6,8,12,16 MHz	24 hrs	Busan MRCC
		Seoul Radio	004400002	37°29'.00N 128°43'.00E	Operational	PC	4,6,8,12,16 MHz	24 hrs	Incheon MRCC
	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 Maritime Rescue Radio	004773500	22°12'.00N 114°15'.00E	Operational	SD	4,6,8,12,16 MHz	24 hrs	Hong Kong MRCC	
XII	Ecuador	Ayora Radio	007354757	00°44'50.2S 090°18'44.8W	Operational	SD	4,6,8,12,16 MHz	24 hrs	
	Mexico	XDA Cerrillo Nopaltepec	003450010	19°46'.00N 098°42'.00W	Planned [2006]	PS	4,6,8,12,16 MHz	24 hrs	Centro de coordinación nacional de búsqueda y salvamento - EDOMAYGRALTER
	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	
		Honolulu	003669993	21°26'.00N 158°09'.00E	Operational	SD	4,6,8,12,16 MHz	24 hrs	

NAV/MET AREA	Country	HF DSC Coast Station							RCC Associated
		Name	MMSI	Position	Status of implementation	Purpose (SD/PS)	Frequency Band*	Watch hours	
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	Lower Hutt
XV	Chile	Antofagasta	007250050	23°40'.00S 070°25'.00W	Operational	SD	4 MHz	24 hrs	MRCC iquique
		Isla de Pascua	007250100	27°11'.00S 109°25'.00W	Operational	SD	4 MHz	24 hrs	MRCC Valparaiso
		Valparaiso	007251860	33°01'.00S 071°39'.00W	Operational	PS	4,6,8,12,16 MHz	24 hrs	MRCC Valparaiso
		Talcahuano	007250170	36°42'.00S 073°06'.00W	Operational	SD	4 MHz	24 hrs	MRCC Talcahuano
		Puerto Montt	007250230	41°47'.00S 073°53'.00W	Operational	SD	4 MHz	24 hrs	MRCC Puerto Montt
		Punta Arenas	007250380	53°10'.00S 070°54'.00W	Operational	SD	4, 8 MHz	24 hrs	MRCC Punta Arenas
XVI	Peru	Paita	007690121	05°05'.00S 081°07'.00W	Operational	PS	8 MHz	24 hrs	MRCC Paita
		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

* 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 COAST EARTH STATIONS

NAV/MET Area	Country	Location	Ocean Area	Service provided (Status of Implementation [Data of operation])			RCC Associated
				INMARSAT-A	INMARSAT-B	INMARSAT-C	
I	Algeria	Lakhdaria	AOR-E	Operational	Operational		MRCC Alger "CNOSS"
	Netherlands	Xantic (Burum)	AOR-W 12	Operational	Operational	Operational	MRCC Den Helder
			AOR-W 22			Operational	
		LES id x 12 & x 22	AOR-E 12	Operational	Operational	Operational	Dutch Coast Guard
			AOR-E 22			Operational	
			IOR 12	Operational	Operational		
	Norway	Eik	IOR	Operational	Operational	Operational	RCC Stavanger
			AOR-E	Operational	Operational	Operational	
			AOR-W	Operational	Operational	Operational	
	Poland	Psary	IOR	Operational			Gdynia
			AOR-E	Operational			
	United Kingdom	Goonhilly	AOR-E	Operational	Operational	Operational	Falmouth
			AOR-W	Operational	Operational	Operational	
IOR			Operational	Operational	Operational		
POR			Operational	Operational	Operational		
II	France	Pleumeur-Bodou	AOR-E	Operational		MRCC Gris Nez (MRCC Bremen for Inmarsat-E)	
			AOR-W	Operational			
			POR	Operational			
			IOR	Operational			
	Aussaguel	AOR-E		Operational	Operational		
		IOR		Operational	Operational		
	Portugal	Sintra	AOR-E			Operational	MRCC Lisbon
III	Greece	Thermopylae	IOR		Operational	Operational	Piraeus JRCC
			AOR-E	Operational	Operational	Operational	
	Italy	Fucino	AOR-E	Operational	Operational	Operational	MRCC Roma
			IOR	Operational	Operational	Operational	

NAV/MET Area	Country	Location	Ocean Area	Service provided (Status of Implementation [Data of operation])			RCC Associated
				INMARSAT-A	INMARSAT-B	INMARSAT-C	
III (cont.)	Turkey	Ata	IOR			Operational (telex)	MSRCC Ankara
			AOR-E			Operational (telex)	
	Ukraine	Odessa	IOR	Operational			
			AOR-E	Operational			
IV	Canada	Laurentides	AOR-E		Operational		MRCC Falmouth
			AOR-W		Operational		
	United States	Southbury	AOR-E	Operational	Operational	Operational	Portsmouth
			AOR-W	Operational	Operational	Operational	
V	Brazil	Tanguá	AOR-E	Operational	Operational	Operational	MRCC Brazil - Salvamar Brazil - Rio de Janeiro
VI	NONE						
VII	NONE						
VIII	India	Arvi	IOR	Operational	Operational	Operational	
IX	Egypt	Maadi	AOR-E	Operational			RCC Cairo
	Iran	Boumehen	IOR	Operational		Operational	
	Kuwait	Umm-Al-Aish	AOR-E	Operation discontinued			
	Pakistan	TBD	IOR	TBD	TBD	TBD	TBD
	Saudi Arabia	Jeddah	IOR	Operational			Jeddah
	United Arab Emirates	Towi Al Sawan	IOR		Operational		
X	Australia	Xantic (Perth)	IOR 12	Operational		Operational	RCC Australia, AMSA
			IOR 22	Operational	Operational	Operational	
		LES id x 22 & 12	POR 12	Operational	Operational	Operational	
			POR 22	Operational	Operational	Operational	
XI	China	Beijing	POR	Operational	Operational	Operational	China MRCC
			IOR	Operational	Operational	Operational	
	Indonesia	Jatiluhur	IOR		Operational		Otaru MRCC Shiogama MRCC
	Japan	Yamaguchi	POR	Operational	Operational	Operational	

NAV/MET Area	Country	Location	Ocean Area	Service provided (Status of Implementation [Data of operation])			RCC Associated
				INMARSAT-A	INMARSAT-B	INMARSAT-C	
XI (cont.)	Japan (cont.)	Yamaguchi	IOR	Operational	Operational	Operational	Yokohama MRCC Nagoya MRCC Kobe MRCC Hiroshima MRCC Kitakyushu MRCC Maizuru MRCC Niigata MRCC Kagoshima MRCC Naha MRCC
	Malaysia	Kuantan	IOR	Operational	Operational		MRCC Port Klang
	Republic of Korea	Kumsan	POR	Operational	Operational		Korea Coast Guard MRCC
			IOR	Operational	Operational		
	Singapore	Sentosa	POR	Operational	Operational	Operational	Singapore Port Operations Control Centre
			IPR	Operational	Operational	Operational	
	Thailand	Nonthaburi LES	IOR		Operational	Operational	Bangkok RCC
	Viet Nam	Hai Phong	IOR		Operational	Operational	Viet Nam Maritime Search and Rescue Co-ordinating Centre (VMRCC)
	Associate Member of IMO Hong Kong, China	Cape D'Aguilar	POR	Operational	Operational		MRCC Hong Kong
IOR			Operational	Operational			
XII	Ecuador	Ayora Radio	AOR-W			Operational	
	United States	Santa Paula	POR	Operational	Operational	Operational	Alameda
		Southbury	AOR-W	Operational	Operational	Operational	RCC Portsmouth
XIII	Russian Federation	Nakhodka	POR	Operational			MRCC Vladivostok
		Nudol	AOR-E, IOR, POR			Operational	SMRCC Moscow, MRCC Vladivostok
XIV	NONE						
XV	NONE						
VI	NONE						

ANNEX 6

LIST OF RESCUE CO-ORDINATION CENTRES USING SHIP EARTH STATIONS

NAV/MET Area	Country	RCC		SES DETAIL			Status of implementation
		Name	Position	ID	Type	Ocean Region Accessed	
I	Algeria	RCC Alger MRCC Alger	-	Voice: 310018110 Fax: 310018111 Data: 310018112 Telex: 310018113	Inmarsat-B	AOR-E	Operational
	Estonia	Tallinn	59°24'.00N 024° 40'.00E	492480040	Inmarsat-C	AOR-E	Operational
	France	MRCC Gris Nez	50°52'.00N 001° 35'.00E	422799256	Inmarsat-C	AOR-E	Operational
	Finland	RCC 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
	Ireland	Eiln	N. I.	N. I.	N. I.	N. I.	Planned [N. I.]
	Latvia	MRCC Riga	57°02'.00N 024°05'.00E	427518510	Inmarsat-C	AOR-E	Operational
	Lithuania	MRCC Klaipėda	55°43'.00N 021°06'.00E	Tel. 327703310 Fax: 327703312 Tlx: 327703314	Inmarsat-B	AOR-E or IOR	Operational
				427799011	Inmarsat-C	AOR-E or IOR	
	Russian Federation	MRCC St. Petersburg	59°54'.00N 030°14'.00E	492509012 761319893	Inmarsat-C Inmarsat-Mini-M	AOR-E, IOR AOR-E, IOR	Operational
		MRCC Kaliningrad	54°42'.00N 020°28'.00E	Voice 762830387 Fax: 762830389 Data: 762830390	Inmarsat-Mini-M	AOR-E, IOR	Operational
	Sweden	MRCC Göteborg	57°28'.00N 011°56'.00E	Voice 326590010 Fax: 326590011 Data 326590012 HSD 391011650 Tlx: 326590013	Inmarsat-B	AOR-E, AOR-W, IOR	Operational
				426590010	Inmarsat-C	AOR-E, AOR-W, IOR	
	United Kingdom	MRCC Falmouth	Falmouth	1441532 423200159 423200158	Inmarsat-A Inmarsat-C Inmarsat-C	AOR-E AOR-W AOR-E	Operational

NAV/MET Area	Country	RCC		SES DETAIL			Status of implementation
		Name	Position	ID	Type	Ocean Region Accessed	
II	Cape Verde			P	P		
	France	MRCC Etel	47°39'.73N 003°12'.11W	4227799025	Inmarsat-C	AOR-E	Operational
	Portugal	MRCC Lisbon	Lisbon	N. I.	N. I.	N. I.	Planned [N. I.]
III	Bulgaria	Varna	N. I.	N. I.	N. I.	N. I.	Planned [N. I.]
	Croatia	MRCC Rijeka	45°19'.00N 014°27'.00E	423816510	Inmarsat-C	AOR-E	Operational
	Cyprus	RCC Larnaca	34°52'.54N 033°37'.33E	Tel: 321099990 Fax: 321099991 Tlx: 321099992	Inmarsat-B	AOR-E, IOR	Operational
				421099999	Inmarsat-C	AOR-E & IOR	
	Estonia	Tallinn	N. I.	N. I.	N. I.	N. I.	Planned [N. I.]
	Georgia	MRCC-Georgia, Batumi	41°38'.70N 041°39'.00E	N. I.	N. I.	N. I.	Planned
	Greece	Piraeus JRCC	37°58'.00N 023°40'.00E	1133207	Inmarsat-A	AOR-E	Operational
				423767310	Inmarsat-C	AOR-E & IOR	
	Israel	Isres-1	N. I.	N. I.	N. I.	N. I.	Planned [N. I.]
		Isres-2	N. I.	N. I.	N. I.	N. I.	Planned [N. I.]
	Italy	TBD					
	Russian Federation	MRCC Novorossiysk	44°41'.00N 037°47'.00E	Voice 327325510 Fax: 327325515 Data: 327325517 Telex 327325518	Inmarsat-B	IOR	Operational
		Caspian Sea MRCC Astrakhan	46°20'.00N 048°00'.00E	427310985	Inmarsat-C	IOR	
Turkey	MSRCC Ankara	39°55'.99N 032°50'.51E	427122324 Tel. 321099990	M4GAN (Mobilkom) Inmarsat-C	AOR-E & IOR AOR-E & IOR	Operational	
Ukraine	MRCC Odesa	46°29'.00N 030°44'.00E	492550019	Inmarsat-C	AOR-E	Operational	
IV	Bermuda (United Kingdom)	RCC Bermuda	32°23'.00N 064°41'.00W	431010110	Inmarsat-C	AOR-E	Operational
	Canada	MRSC St. John's	47°34'.00N 052°43'.00W	431699930	Inmarsat-C	AOR-W	Operational
			-	431699931	Inmarsat-C	AOR-E	Operational
		JRCC Halifax	44°40'.00N 063°33'.00W	331699943	Inmarsat-B (telex)	AOR-W	Operational
		-	-	493020114	Inmarsat-C	AOR-E	Operational
-	-	493020115	Inmarsat-C	AOR-W	Operational		

NAV/MET Area	Country	RCC		SES DETAIL			Status of implementation		
		Name	Position	ID	Type	Ocean Region Accessed			
IV (cont.)	Canada (cont.)	JRCC Trenton	44°07'.00N 077°32'.00W	431699928	Inmarsat-C	AOR-W	Operational		
			-	431699929	Inmarsat-C	AOR-E	Operational		
		JRCC Victoria	48°26'.00N 123°26'.00W	431699932	Inmarsat-C	AOR-W	Operational		
			-	431699933	Inmarsat-C	POR	Operational		
	MRSC Quebec	46°48'.00N 071°12'.00W	--	--	--	--			
	France (Martinique)	MRCC Fort de France	14°36'.00N 061°04'.00W	422799244	Inmarsat-C	AOR-E	Operational		
				422799024		AOR-W			
	Jamaica	Jamaica Defence Force Coast Guard HMJS Cagway Port Royal	17°58'.00N 076°47'.00W	N. I.	Inmarsat-A	AOR-E	Planned [2000]		
				JDFCG Discovery Bay				18°26'.00N 077°25'.00W	N. I.
JDFCG Pedro Cay				17°03'.00N 077°46'.00W				N. I.	Inmarsat-C
United States	MRCC Portsmouth	36°43'.00N 076°12'.00W	430370680 & 430370670	Inmarsat-C	AOR-W & AOR-E	Operational			
V	Brazil	MRCC Brazil	22°53'.37S 043°10'.15W	471009910	Inmarsat-C	AOR-E & AOR-W	Operational		
VI	Argentina	MRCC Puerto Belgrano	38°53'.00S 062°06'.00E	470128910	Inmarsat-C	AOR-E & AOR-W	Operational		
	Uruguay	MRCC Uruguay	34°54'.00S 056°13'.00W	497480210	Inmarsat-C	AOR-W	Operational		
VII	France (La Réunion)	MRCC La Réunion	20°55'.77S 055°17'.14E	422799193	Inmarsat-C	IOR	Operational		
VIII	France (La Réunion)	MRCC La Réunion	20°55'.77S 055°17'.14E	422799193	Inmarsat-C	IOR	Operational		
IX	Egypt	Suez Canal Authority	Ismailia Radio	1622570 & 1622574	Inmarsat-A	AOR-E	Operational		
				362213310 362213311 362213312 362213313 362213314	Inmarsat-B	AOR-E	Operational		
				462299911	Inmarsat-C	AOR-E	Operational		

NAV/MET Area	Country	RCC		SES DETAIL			Status of implementation
		Name	Position	ID	Type	Ocean Region Accessed	
X	Australia	RCC Australia	35°17'.00S 149°08'.00E	450300458	Inmarsat-C	POR	Operational on request
	France (New Caledonia)	MRCC Nouméa	22°17'.00S 166°26'.00E	422799194	Inmarsat-C	POR	Operational
XI	China	Beijing	N. I.	N. I.	N. I.	N. I.	Operational
	Japan	TBD	N. I.	N. I.	N. I.	N. I.	Planned [N. I.]
	Philippines	Manila	N. I.	N. I.	Inmarsat-B	POR	Planned [TBD]
	Viet Nam	Viet Nam Maritime Search and Rescue Co-ordinating Centre (VMRCC)	No. 8 – Pham Hung – Cau Giay – Ha Noi – Viet Nam	N. I.	Inmarsat-Mini M Inmarsat-C	IOR	Planned
	Associate Member of IMO Hong Kong, China	Hong Kong MRCC	22°17'.60N 114°09'.25E	447735011	Inmarsat-C	POR	Operational
	447735012			Inmarsat-C	IOR	Operational	
XII	NONE						
XIII	Russian Federation	MRCC Vladivostok	43°07'.00N 131°53'.00E	Voice 761320633 Telex 492500379	Inmarsat-Mini-M Inmarsat-C	POR (582) POR (582)	Operational
		MRSC Yuzhno-Sakhalinsk	46°59'.00N 142°43'.00E	427311122	Inmarsat-C	POR	Operational
		MRSC-Petropavlovsk-Kamchatskiy	53°00'.00N 158°39'.00E	-	-	-	Planned [2002]
		Barents Sea MRCC Murmansk	63°59'.00N 033°04'.00E	Voice 762137155 Fax: 762137157	Inmarsat-Mini-M	AOR-E	Operational
		White Sea MRSC Arkhangelsk	64°32'.00N 040°32'.00E	492509110	Inmarsat-C	AOR-E, IOR	Operational
XIV	French Polynesia	MRCC Papeete	17°32'.00S 149°35'.00W	422799192	Inmarsat-C	POR	Operational
XV	NONE						
XVI	NONE						

ANNEX 7

NAVTEX SERVICE

International 518 kHz NAVTEX

NAV/MET Area	COUNTRY	NAVTEX Coast Station	Position	Range (NM)	B1 Character	Transmission times (UTC)	LANGUAGE	Status of implementation
I	Belgium	Oostende	51°11'.00N 002°48'.00E	55	T	0310,0710,1110,1510,1910,2310	English	Operational
	Denmark (Greenland-East Coast)	Reykjavik	64°05'.00N 021°51'.00W	550	X	0350,0750,1150,1550,1950,2350	English	Operational
	Estonia	Tallinn	59°30'.00N 024°30'.00E	250	U	0320,0720,1120,1520,1920,2320	English	Operational
	France	Niton	50°35'.00N 001°18'.00W	270	K	0140,0540,0940,1340,1740,2140	English	Operational
	Iceland	Reykjavik Radio	64°05'.00N 021°51'.00W	550	R	0250,0650,1050,1450,1850,2250	English	Operational
	Ireland	Valencia	51°27'.00N 009°49'.00W	400	W	0340,0740,1140,1540,1940,2340	English	Operational
		Malin Head	55°22'.00N 007°21'.00W	400	Q	0240,0640,1040,1440,1840,2240		
	Netherlands	Netherlands Coastguard Radio (PBK)	52°05'.41N 004°15'.27E	110	P	0230,0630,1030,1430,1830,2230	English	Operational
	Norway	Rogaland Radio	58°39'.00N 005°36'.00E	450	L	0150,0550,0950,1350,1750,2150	English	Operational
		Rogaland Radio o/ Ørlandet	63°40'.59N 009°35'.00E	450	N	0210,0610,1010,1410,1810,2210		
		Bodø Radio	67°16'.00N 014°23'.00E	450	B	0010,0410,0810,1210,1610,2010		
		Vardø Radio	70°22'.00N 031°06'.00E	450	V	0330,0730,1130,1530,1930,2330		
		Bodø Radio o/ Svalbard (Isfjord)	78°03'.42N 013°36'.59E	450	A	0000,0400,0800,1200,1600,2000		
	Sweden	Stockholm Radio/ Bjuröklubb	64°28'.00N 021°36'.00E	300	H	0110,0510,0910,1310,1710,2110	English	Operational
		Stockholm Radio/ Gislövshammar	55°29'.00N 014°19'.00E	300	J	0130,0530,0930,1330,1730,2130		
		Grimeton	57°06'.00N 012°23'.00E	300	I	0120,0520,0920,1320,1720,2120		
	United Kingdom	Cullercoats	55°02'.00N 001°26'.00W	270	G	0100,0500,0900,1300,1700,2100	English	Operational
		Portpatrick	54°51'.00N 005°07'.00W	270	O	0220,0620,1020,1420,1820,2220		
		Niton	50°35'.00N 001°18'.00W	270	E	0040,0440,0840,1240,1640,2040		
Oostende		51°11'.00N 002°48'.00E	150	M	0200,0600,1000,1400,1800,2200	Operational (Dover Strait broadcast for United Kingdom)		
II	Cameroon	Douala	N. I.	N. I.	Not yet allocated		N. I.	Planned [N. I.]
	Cape Verde	Sao Vicente Radio	16°51'.1 N 025°00'.3 W	250	U	0320,0720,1120,1520,1920,2320	English	Operational
	France	Cross Corsen	48°28'.00N 005°03'.00W	300	A	0000,0400,0800,1200,1600,2000	English	Operational
	Mauritania	Nouadhibou Radio	N. I.	N. I.	Not yet allocated		N. I.	Planned [N. I.]
	Morocco	Casablanca Radio	33°36'.00N 007°38'.00W	180	M	0200,0600,1000,1400,1800,2200	English	Planned [N. I.]

NAV/MET Area	COUNTRY	NAVTEX Coast Station	Position	Range (NM)	B1 Character	Transmission times (UTC)	LANGUAGE	Status of implementation
II (cont.)	Portugal	Horta Radio	38°32'.00N 028°38'.00W	640	F	0050,0450,0850,1250,1650,2050	English	Operational
		Monsanto Radio	38°44'.00N 009°11'.00W	530	R	0250,0650,1050,1450,1850,2250		Planned
		Madeira (Porto Santo)	N. I.	N. I.	P	0230,0630,1030,1430,1830,2230		
	Spain	La Coruña	43°21'.00N 008°27'.00W	400	D	0030,0430,0830,1230,1630,2030	English	Operational
		Tarifa	36°01'.00N 005°34'.00W	400	G	0100,0500,0900,1300,1700,2100		
		Las Palmas	28°10'.00N 015°25'.00W	400	I	0120,0520,0920,1320,1720,2120		
III	Algeria	Bordj-El-Kiffan	36°44'.00N 003°10'.00E	150	B	even hours + 10 mn	English	Operational
	Bulgaria	Varna Radio "Varna (also broadcast information on behalf of Romania)"	43°04'.00N 027°46'.00E	350	J	0130,0530,0930,1330,1730,2130	English	Operational
	Croatia	Split (Hvar Is)	43°30'.00N 016°29'.00E	85	Q	0240,0640,1040,1440,1840,2240	English	Operational
	Cyprus	Cyprus Radio	35°03'.00N 033°17'.00E	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'.00N 005°59'.00E	250	W	0340,0740,1340,1540,1940,2340	English	Operational
	Greece	Iraklion	35°20'.00N 025°07'.00E	280	H	0110,0510,0910,1310,1710,2110	Englis	Operational
		Kerkyra	39°37'.00N 019°55'.00E	280	K	0140,0540,0940,1340,1740,2140		
		Limnos	39°52'.00N 025°04'.00E	280	L	0150,0550,0950,1350,1750,2150		
	Israel	Haifa	32°49'.00N 035°00'.00E	200	P	0020,0420,0820,1220,1620,2020	English	Operational
	Italy	Roma	41°48'.00N 012°31'.00E	320	R	0250,0650,1050,1450,1850,2250	English	Operational
		Augusta	37°14'.00N 015°14'.00E	320	V	0330,0730,1130,1530,1930,2330		
		Cagliari	39°14'.00N 009°14'.00E	320	T	0310,0710,1110,1510,1910,2310		
		Trieste	45°41'.00N 013°46'.00E	320	U	0320,0720,1120,1520,1920,2320		
	Malta	Malta	35°49'.00N 014°32'.00E	400	O	0220,0620,1020,1420,1820,2220	English	Operational
	Russian Federation	Novorossiysk	44°36'.00N 037°58'.00E	300	A	0300,0700,1100,1500,1900,2300	English	Operational
	Spain	Cabo de la Nao	38°43'.00N 000°09'.00E	300	X	0350,0750,1150,1550,1950,2350	English	Operational
	Turkey	Istanbul	41°04'.00N 028°57'.00E	250-400	D	0030,0430,0830,1230,1630,2030	English	Operational
		Samsun	41°23'.00N 036°11'.00E	250-400	E	0040,0440,0840,1240,1640,2040		
		Antalya	36°09'.00N 032°26'.00E	250-400	F	0050,0450,0850,1250,1650,2050		
		Izmir	38°16'.00N 026°16'.00E	250-400	I	0120,0520,0920,1320,1720,2120		
Samsun		41°23'.00N 036°11'.00E	250-400	A	0000,0400,0800,1200,1600,2000			
Istanbul		41°04'.00N 028°57'.00E	250-400	B	0010,0410,0810,1210,1610,2010	Turkish		
Izmir		38°16'.00N 026°16'.00E	250-400	C	0020,0420,0820,1220,1620,2020			
Antalya		36°09'.00N 032°26'.00E	250-400	D	0030,0430,0830,1230,1630,2030			
Istanbul		41°04'.00N 028°57'.00E	250-400	M	0200,0600,1000,1600,1800,2200			

NAV/MET Area	COUNTRY	NAVTEX Coast Station	Position	Range (NM)	B1 Character	Transmission times (UTC)	LANGUAGE	Status of implementation
III (cont.)	Ukraine	Kerch	45°23'.00N 036°28'.00E	120	B	0100,0500,0900,1300,1700,2100	English	Operational
		Odessa	46°29'.00N 030°44'.00E	280	C	0230,0630,1030,1430,1830,2230		
IV	Bermuda (United Kingdom)	Bermuda	32°23'.00N 064°41'.00W	280	B	0010,0410,0810,1210,1610,2010	English	Operational
	Canada	Riviere-au-Renard	50°15'.00N 066°10'.00W	300	C	0020,0420,0820,1220,1620,2020	English	Operational
		Warton	44°20'.00N 081°10'.00W	300	H	0110,0510,0910,1310,1710,2110		
		St. Johns	47°30'.00N 052°40'.00W	300	O	0220,0620,1020,1420,1820,2220		
		Thunder Bay	48°25'.00N 089°20'.00W	300	P	0230,0630,1030,1430,1830,2230		
		Sydney, Nova Scotia	46°10'.00N 060°00'.00W	300	Q	0240,0640,1040,1440,1840,2240		
		Saint John (Yarmouth)	43°45'.00N 066°07'.00W	300	U	0320,0720,1120,1520,1920,2320		
		Labrador	53°42'.00N 057°02'.00W	300	X	0350,0750,1150,1550,1950,2350		
	Iqaluit	63°43'.00N 068°33'.00W	T		0310,0710,1110,1510,1910,2310			
	Curaçao (Netherlands)	Curaçao	12°10'.00N 068°52'.00W	400	H	0110,0510,0910,1310,1710,2110	English	Operational
	Denmark (Greenland-West Coast)	Kook Island (Nuuk)	64°04'.00N 052°01'.00W	400	W	0340,0740,1140,1540,1940,2340	English	Operational
	Mexico	Veracruz	19°09'.00N 096°07'.00W	250	N. I.	N. I.	English	Planned [N. I.]
		Cozumel	20°16'.00N 086°44'.00W	250				
	United States	Miami	25°37'.00N 080°23'.00W	240	A	0000,0400,0800,1200,1600,2000	English	Operational
		Boston	41°43'.00N 070°30'.00W	200	F	0445,0845,1245,1645,2045,0045		
		New Orleans	29°53'.00N 089°57'.00W	200	G	0300,0700,1100,1500,1900,2300		
Portsmouth		36°43'.00N 076°00'.00W	280	N	0130,0530,0930,1330,1730,2130			
Isabella		18°28'.00N 067°04'.00W	200	R	0200,0600,1000,1400,1800,2200			
Savannah	32°08'.00N 081°42'.00W	200	E	0040,0440,0840,1240,1640,2040				
Venezuela	N. I.						English	Planned [1999]
V	NONE							
VI	Argentina	Ushuaia	54°48'.00S 068°18'.00W	280	M	0200,1000,1800,0600,1400,2200	English	Operational
		Rio Gallegos	51°37'.00S 065°03'.00W	280	N	0210,1010,1810,0610,1410,2210		
		Comodoro Rivadavia	45°51'.00S 067°25'.00W	280	O	0220,1020,1820,0620,1420,2220		
		Bahia Blanca	38°43'.00S 062°06'.00W	280	P	0230,1030,1830,0630,1430,2230		
		Mar del Plata	38°03'.00S 057°32'.00W	280	Q	0240,1040,1840,0640,1440,2240		
	Buenos Aires	34°36'.00S 058°22'.00W	560	R	0250,1050,1850,0650,1450,2250			
Uruguay	La Paloma	34°40'.00S 054°09'.00W	280	F	0050,0450,0850,1250,1650,2050	Engli	Operational	
VII	Namibia	Walvis Bay	23°03'.00S 014°37'.00E	378	B	0010,0410,0810,1210,1610,2010	English	Operational
	South Africa	Cape Town	33°40'.00S 018°43'.00E	500	C	0020,0420,0820,1220,1620,2020	English	Operational
		Port Elizabeth	34°02'.00S 025°33'.00E	500	I	0120,0520,0920,1320,1720,2120		
		Durban	30°00'.00S 031°30'.00E	500	O	0220,0620,1020,1420,1820,2220		

NAV/MET Area	COUNTRY	NAVTEX Coast Station	Position	Range (NM)	B1 Character	Transmission times (UTC)	LANGUAGE	Status of implementation
VIII	India	Mumbai	19°05'.00N 072°50'.00E	250	G	0100,0500,0900,1300,1700,2100	English	Operational
		Chennai	13°08'.00N 080°10'.00E	250	B	0230,0630,1030,1430,1830,2230		Operational
		Andaman Islandst Blair) (Port Blair)	N. I.	N. I.	N. I.	N. I.	Planned	
	Mauritius	Mauritius Radio, Cassis	20°10'.00S 057°28'.00E	400	C	0020,0420,0820,1220,1620,2020	English	Operational
IX	Bahrain	Hamala	26°09'.00N 050°28'.00E	300	B	0010,0410,0810,1210,1610,2010	English	Operational
	Egypt	Serapeum (Ismailia)	30°28'.00N 032°22'.00E	200	X	0350,0750,1150,1550,1950,2350	English	Operational
		Kosseir	26°06'.00N 034°17'.00E	400	V	0330,0730,1130,1530,1930,2330		
	Iran	Bushehr	28°59'.00N 050°50'.00E	300	A	0000,0400,0800,1200,1600,2000	English	Operational
		Bandar Abbas	27°07'.00N 056°04'.00E	300	F	0050,0450,0850,1250,1650,2050		
	Oman	Muscat	23°36'.00N 058°30'.00E	270	M	0200,0600,1000,1400,1800,2200	English	Operational
	Pakistan	Karachi	24°51'.00N 067°03'.00E	400	P	0230,0630,1030,1430,1830,2230	English	Operational
Saudi Arabia	Jeddah	21°23'.00N 039°10'.00E	390	H	0705,1305,1905	English	Operational	
X	NONE ⁽¹⁾							
XI	China	Sanya	18°14'.00N 109°30'.00E	250	M	0200,0600,1000,1400,1800,2200	English	Operational
		Guangzhou	23°08'.00N 113°32'.00E	250	N	0210,0610,1010,1410,1810,2210		
		Fuzhou	26°01'.00N 119°18'.00E	250	O	0220,0620,1020,1420,1820,2220		
		Shanghai	31°08'.00N 121°33'.00E	250	Q	0240,0640,1040,1440,1840,2240		
		Dalian	38°52'.00N 121°31'.00E	250	R	0250,0650,1050,1450,1850,2250		
	Indonesia	Jayapura	02°31'.00S 140°43'.00E	300	A	0000,0400,0800,1200,1600,2000	English	Operational
		Ambon	03°42'.00S 128°12'.00E	300	B	0010,0410,0810,1210,1610,2010		
		Makassar	05°06'.00S 119°26'.00E	300	D	0030,0430,0830,1230,1630,2030		
		Jakarta	06°06'.00S 106°54'.00E	300	E	0040,0440,0840,1240,1640,2040		
	Japan	Otaru	43°19'.00N 140°27'.00E	400	J	0130,0530,0930,1330,1730,2130	English	Operational
		Kushiro	42°57'.00N 144°36'.00E	400	K	0140,0540,0940,1340,1740,2140		
		Yokohama	35°14'.00N 139°55'.00E	400	I	0120,0520,0920,1320,1720,2120		
		Moji	34°01'.00N 130°56'.00E	400	H	0110,0510,0910,1310,1710,2110		
		Naha	26°05'.00N 127°40'.00E	400	G	0100,0500,0900,1300,1700,2100		
	Malaysia	Penang	05°26'.00N 100°24'.00E	350	U	0320,0720,1120,1520,1920,2320	English	Operational
		Miri	04°28'.00N 114°01'.00E	350	T	0310,0710,1110,1510,1910,2310		
Sandakan		05°54'.00N 118°00'.00E	350	S	0300,0700,1100,1500,1900,2300			
Philippines	Manila	14°30'.00N 121°04'.00E	320	J	0130,0530,0930,1330,1730,2130	English	Planned [TBD]	
	Puerto Princesa	N.I.	320	I	0120,0520,0920,1320,1720,2120			
	Davao	07°07'.00N 125°37'.00E	320	K	0140,0540,0940,1340,1740,2140			

⁽¹⁾ Australia is only providing coastal warnings through the International SafetyNET Service (AUSCOAST). See annex 8.

NAV/MET Area	COUNTRY	NAVTEX Coast Station	Position	Range (NM)	B1 Character	Transmission times (UTC)	LANGUAGE	Status of implementation
XI (cont.)	Republic of Korea	Jukbyeon	37°03'.00N 129°26'.00E	200	V	0330,0730,1130,1530,1930,2330	English	Operational
		Byeonsan	35°36'.00N 126°29'.00E	200	W	0340,0740,1340,1540,1940,2340		
	Singapore	Singapore	01°25'.50N 103°52'.50E	400	C	0020,0420,0820,1220,1620,2020	English	Operational
	Thailand	Bangkok Radio	13°34'.00N 100°39'.00E	200	F	0050,0450,0850,1250,1650,2050	English	Operational
	United States	Guam	13°29'.00N 144°50'.00E	200	V	0100,0500,0900,1300,1700,2100	English	Operational
	Viet Nam	Ho Chi Minh Ville/XVS Radio	10°23'.32N 107°08'.57E	400	X	0350,0750,1150,1550,1950,2350	English	Operational
		Da Nang/XVT Radio	16°03'.32N 108°12'.32E	400	K	0230,0630,1030,1430,1830,2230		
Associate Member of IMO Hong Kong, China	Hong Kong	22°13'.00N 114°15'.00E	400	L	0150,0550,0950,1350,1750,2150	English	Operational	
XII	Canada	Prince Rupert	54°17'.00N 130°25'.00W	300	D	0030,0430,0830,1230,1630,2030	English	Operational
		Tofino	48°55'.00N 125°32'.00W	300	H	0110,0510,0910,1310,1710,2110		
	Ecuador	Ayora Radio	00°44'50.2S 090°18'44.8W	400	L	0150,0550,0950,1350,1750,2150	English	Operational
	Mexico	La Paz	24°08'.00N 110°17'.00W	250	N. I.	N. I.	English	Planned [N. I.]
		Manzanillo	19°05'.00N 104°18'.00W	250				
		Salina Cruz	16°09'.00N 095°12'.00W	250				
	United States	San Francisco	37°55'.00N 122°44'.00W	350	C	0400,0800,1200,1600,2000,2400	English	Operational
		Kodiak	57°46'.00N 152°34'.00W	200	J	0300,0700,1100,1500,1900,2300		
		Honolulu	21°22'.00N 158°09'.00W	350	O	0040,0440,0840,1240,1640,2040		
		Cambria	35°31'.00N 121°03'.00W	350	Q	0445,0845,1245,1645,2045,0045		
Astoria		46°10'.00N 123°49'.00W	216	W	0130,0530,0930,1330,1730,2130			
XIII	Russian Federation	Kholmsk	47°02'.00N 142°03'.00E	300	B	0010,0410,0810,1210,1610,2010	English	Operational
		Murmansk	68°46'.00N 032°58'.00E	300	C	0020,0420,0820,1220,1620,2020		
		Arkhangelsk	64°51'.00N 040°17'.00E	300	F	0050,0450,0850,1250,1650,2050		
		Petropavlovsk-Kamchatskiy	53°00'.00N 158°40'.00E	300	C	0020,0420,0820,1220,1620,2020	English	Planned
		Caspian Sea, Astrakhan	45°47'.00N 047°33'.00E	250	W	0340,0740,1140,1540,1940,2340		Operational
		Vladivostok	43°23'.00N 131°54'.00E	230	A	0000,0400,0800,1200,1600,2000		
		Okhotsk	59°22'.00N 143°12'.00E	300	G	0100,0500,0900,1300,1700,2100		
Magadan	59°41'.00N 150°09'.00E	120	D	0030,0430,0830,1230,1630,2030	Under Trial			
XIV	NONE							
XV	Chile	Antofagasta	23°40'.00S 070°25'.00W	300	A	0400, 1200, 2000	English	Operational
					H	0000, 0800, 1600	Spanish	

NAV/MET Area	COUNTRY	NAVTEX Coast Station	Position	Range (NM)	B1 Character	Transmission times (UTC)	LANGUAGE	Status of implementation
XV (cont.)	Chile (cont.)	Valparaiso	32°48'.00S 071°29'.00W	300	B	0410, 1210, 2010	English	
					I	0010, 0810, 1610	Spanish	
		Talcahuano	36°42'.00S 073°06'.00W	300	C	0420, 1220, 2020	English	
					J	0020, 0820, 1620	Spanish	
		Puerto Montt	41°30'.00S 072°58'.00W	300	D	0430, 1230, 2030	English	
					K	0030, 0830, 1630	Spanish	
		Punta Arenas	53°09'.00S 070°58'.00W	300	E	0440, 1240, 2040	English	
					L	0040, 0840, 1640	Spanish	
Isla de Pascua	27°09'.00S 109°25'.00W	300	F	0450, 1250, 2050	English			
			G	0050, 0850, 1650	Spanish			
XVI	Peru	Paita	05°55'.00S 081°07'.00W	200	S	0300,0700,1100,1500,1900,2300	English	Operational
		Callao	12°03'.00S 077°09'.00W	200	U	0320,0720,1120,1520,1920,2320		
		Mollendo	17°01'.00S 072°01'.00W	200	W	0340,0740,1140,1540,1940,2340		

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NAV/MET Area	COUNTRY	NAVTEX Coast Station	Position	Range (NM)	B1 Character	Transmission times (UTC)	LANGUAGE	Status of implementation	
I	Iceland	Reykjavik Radio	64°05'.00N 021°51'.00W	550	R	0318,0718,1118,1518,1918,2318	Icelandic	Operational	
	United Kingdom	Cullercoats	55°02'.00N 001°26'.00W	270	U	0320,0720,1120,1520,1920,2320	English		
		Portpatrick	54°51'.00N 005°07'.00W	270	C	0020,0420,0820,1220,1620,2020			
		Niton	50°35'.00N 001°18'.00W	270	I	0120,0520,0920,1320,1720,2120			
II	Cape Verde	Sao Vicente Radio	16°51'.1 N 025°00'.3 W	250	P	0230,0630,1030,1430,1830,2230	Portuguese	Operational	
	France	CROSS Corsen	48°28'.00N 005°03'.00W	300	E	0040,0440,0840,1240,1640,2040	French	Operational	
		Niton	50°35'.00N 001°18'.00W	270	T	0310,0710,11120,1510,1910,2310		Operational	
	Portugal	Monsanto	38°44'.00N 009°11'.00W	530	G	0100,0500,0900,1300,1700,2100	Portuguese	Operational Planned	
		Horta	38°32'.00N 028°38'.00W	640	J	0130,0530,0930,1330,1730,2130			
	Spain	Madeira (Porto Santo)	N. I.	N. I.	N. I.	M	0200,0600,1000,1400,1800,2200	Spanish	Operational
		La Coruña	N. I.	N. I.	N. I.	W	0340,0740,1140,1540,1940,2340		
		Tarifa	N. I.	N. I.	N. I.	T	0310,0710,1110,1510,1910,2310		
		Valencia (Cabo La Nao)	N. I.	N. I.	N. I.	M	0200,0600,1000,1400,1800,2200		
	III	France	CROSS La Garde	43°06'.00N 005°59'.00E	250	S	0300,0700,1100,1500,1900,2300	French	Operational
Romania		Constanta Radio	44°06'.18N 028°37'.49E	400	L	0150,0550,0950,1350,1750,2150	Romanian	Operational	
IV	Canada	Iqaluit	63°43'.00N 068°33'.00W	300	S	0300,0700,1100,1500,1900,2300	French	Operational	
		Riviere-aux-Renard	50°15'.00N 066°10'.00W	300	D	0035,0435,0835,1235,1635,2035			
		Sydney Nova Scotia	46°10'.00N 060°00'.00W	300	J	0255,0655,1055,1455,1855,2255			
		Yarmouth	43°45'.00N 066°07'.00W	300	V	0335,0735,1135,1535,1935,2335			
VI	Argentina	Ushuaia	54°48'.00S 068°18'.00W	280	A	0000,0400,0800,1200,1600,2000	Spanish	Under trial until April 2007	
		Rio Gallegos	51°37'.00S 065°03'.00W	280	B	0010,0410,0810,1210,1610,2010			
		Comodoro Rivadavia	45°51'.00S 067°25'.00W	280	C	0020,0420,0820,1220,1620,2020			
		Bahia Blanca	38°43'.00S 062°06'.00W	280	D	0030,0430,0830,1230,1630,2030			
		Mar del Plata	38°03'.00S 057°32'.00W	280	E	0040,0440,0840,1240,1640,2040			
		Buenos Aires	34°36'.00S 058°22'.00W	560	F	0050,0450,0850,1250,1650,2050			
	Uruguay	La Paloma	34°40'.00S 054°09'.00W	280	A	0000,0400,0800,1200,1600,2000	Spanish	Operational	

NAV/MET Area	COUNTRY	NAVTEX Coast Station	Position	Range (NM)	B1 Character	Transmission times (UTC)	LANGUAGE	Status of implementation
XI	Japan	Otaru	42°57'.00N 144°36'.00E	400	K	0108,0508,0908,1308,1708,2108	Japanese ⁽¹⁾	Operational
		Otaru	43°19'.00N 140°27'.00E	400	J	0051,0451,0851,1251,1651,2051		
		Yokohama	35°14'.00N 139°55'.00E	400	I	0034,0434,0834,1234,1634,2034		
		Moji	34°01'.00N 130°56'.00E	400	H	0017,0417,0817,1217,1617,2017		
		Naha	26°05'.00N 127°40'.00E	400	G	0000,0400,0800,1200,1600,2000		
	Republic of Korea	Jukbyeon	37°03'.00N 129°26'.00E	200	J	0130,0530,0930,1330,1730,2130	Korean	Operational
		Byeonsan	35°36'.00N 126°29'.00E	200	K	0140,0540,0940,1340,1740,2140		
		Viet Nam	Hai Phong	20°44'.00N 106°44'.00E	400	W	0340, 1540	Vietnamese
XII	Ecuador	Ayora Radio	00°44'50.2S 090°18'44.8W	400	A	0000,0400,0800,1200,1600,2000	Spanish	Operational

⁽¹⁾ Transmit on 424 kHz (Note: 424 kHz is a local frequency, not a GMDSS frequency allocated for national broadcasts).

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NAV/MET Area	COUNTRY	NAVTEX Coast Station	Position	Range (NM)	B1 Character	Transmission times (UTC)	LANGUAGE	Status of implementation
III – IX	Egypt	Serapeum (Ismailia)	30°28'.00N 032°22'.00E	N. I.	X	0750, 1150	English	Operational
IV	Mexico	Veracruz	19°09'.00N 096°07'.00W	250	N. I.	N. I.	Spanish	Planned [N. I.]
		Cozumel	20°16'.00N 086°44'.00W	250				
	United States	New Orleans	29°53'.00N 089°75'.00W	N. I.	G	0300,0700,1100,1500,1900,2300	English	Planned
V	Brazil	N. I.	N. I.	N. I.	N. I.	N. I.	N. I.	
XI	Vietnam	Haiphong	20°44'.00N 106°44'.00E	N. I.	W	0230,0630,1030,1430,1830,2230	English	Operational
XII	Mexico	La Paz	24°08'.00N 110°17'.00W	250	N. I.	N. I.	Spanish	Planned [N. I.]
		Manzanillo	19°05'.00N 104°18'.00W	250				
		Salina Cruz	16°09'.00N 095°12'.00W	250				

NAV = NAVIGATIONAL WARNINGS
 MET = METEOROLOGICAL INFORMATION
 SAR = SEARCH AND RESCUE ALERTS
 * = NAVAREA CO-ORDINATOR RESPONSIBLE FOR THE AREA
 ** = THE ISSUING MEMBER NOMINATED BY WMO FOR METAREA SERVICES,
 RESPONSIBLE FOR THE AREA

ANNEX 8

INTERNATIONAL SAFETYNET SERVICE

NAV/MET Area	Type of MSI	Country	CES	Ocean Area	Area Covered	Broadcast schedule (UTC)	Status of implementation
I	NAV	United Kingdom*	Goonhilly	AOR-E		1730 + as appropriate	Operational
	MET	United Kingdom**	Goonhilly	AOR-E		0930, 2130	Operational
	SAR SafetyNET, EGC SAC 32, 38	United Kingdom	Goonhilly	AOR-E/W		As occasion demands	Operational
		Norway	EIK	IOR		As occasion demands	Operational
		Germany	Raisting	AOR-E & IOR		As occasion demands	Operational
		Netherlands	Xantic Burum LES 12	All ocean regions	= RCC Den Helder	As occasion demands	Operational
II	NAV	France*	Aussaguel	AOR-E	AREA II	1630	Operational
	MET	France**/United Kingdom	Aussaguel/Goonhilly	AOR-E/AOR-W	AREA II	0900, 2100	Operational
	SAR	France/United Kingdom	Aussaguel/Goonhilly	AOR-E/AOR-W	AREA II	As occasion demands	Operational
		Cape Verde	N. I.	N. I.		As occasion demands	Operational
III	NAV	Spain*	Goonhilly	AOR-E		1200, 2400 + on receipt	Operational
	MET	Greece**	Thermopylae	AOR-E	AREA III	1000, 2200	Operational
	SAR	Greece	Thermopylae	AOR-E & IOR	Greek SAR region	As occasion demands	Operational
		Cyprus	Eik	AOR-E & AOR-W & POR & IOR	All Ocean Areas	As occasion demands	Operational
		Cyprus	Thermopylae	AOR-E & IOR			
		Cyprus	Goonhilly	AOR-E & AOR-W & POR & IOR			

NAV/MET Area	Type of MSI	Country	CES	Ocean Area	Area Covered	Broadcast schedule (UTC)	Status of implementation
IV	NAV	French West Indies	Aussaguel	AOR-W	Coastal Navigational Warnings, Zone C	0900, 2100	Operational
		French Guiana	Aussaguel	AOR-W	Coastal Navigational Warnings, Zone A	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		As occasion demands	Operational
		Canada	Laurentides	AOR-E & AOR-W	Canadian SAR Region	As occasion demands	Operational
V	NAV	Brazil*	Tanguá	AOR-E	AREA V	0400, 1230	Operational
		French Guiana	Aussaguel	AOR-W	Coastal Navigational Warnings, Zone A	0900, 2100	Operational
	MET	Brazil**	Tanguá	AOR-E	AREA V	0730, 1930	Operational
	SAR	Brazil	Tanguá	AOR-E	AREA V	When necessary	Operational
VI	NAV	Argentina*	Southbury	AOR-W	AREA VI	0200, 1400	Operational
	MET	Argentina**	Southbury	AOR-W	AREA VI	0230, 1730	Operational
	SAR	Argentina	Southbury	AOR-W	AREA VI	As occasion demands	Operational
VII	NAV	South Africa*	Station 12	AOR-E & IOR		1940	Operational
		Mayotte (France)	Aussaguel	IOR	Coastal Navigational Warnings, Zones K/V and D	0330, 1530	Operational
		Kerguelen (France)	Aussaguel	IOR		0140, 1340	Operational
		La Reunion (France)	Aussaguel	IOR		0040, 1240	Operational
	MET	South Africa**	Burum	AOR-E & IOR		0940, 1940	Operational
	SAR	South Africa	Burum	AOR-E & IOR		As occasion demands	Operational
VIII	NAV	India*	Arvi	IOR	NAVAREA VIII	1000	Operational
		La Reunion (France)	Aussaguel	IOR	Coastal Navigational Warnings, Zones V and D	0040, 1240	Operational
		Mayotte (France)	Aussaguel	IOR		0330, 1530	Operational
	MET	India**	Arvi	IOR	North of equator in AREA VIII	0900, 1800	Operational
		Mauritius/La Reunion**	Aussaguel Aussaguel	IOR IOR/AOR-E	South of equator in AREA VIII	0130, 1330 0000, 0600, 1200, 1800	Operational
	SAR	India	Arvi	IOR		As occasion demands	Operational

NAV/MET Area	Type of MSI	Country	CES	Ocean Area	Area Covered	Broadcast schedule (UTC)	Status of implementation
IX	NAV	Pakistan*	Perth	IOR	NAVAREA IX	0800	Operational
	MET	Pakistan**	Perth	IOR		0700	Operational
	SAR	Pakistan	Perth	IOR	Pakistan SAR Region	As occasion demands	Operational
X	NAV	Australia*	Perth	IOR & POR		0700, 1900 + on receipt	Operational
		France (New Caledonia)	Aussaguel	POR	Coastal Navigational Warnings, Zone N	0140, 1340	Operational
	MET	Australia**	Perth	IOR	Western See figure 8-1	1030, 2330 (Coastal areas F & G: 0800, 2000)	Operational
				POR	All areas See figure 8-1 For coastal areas See figure 8-2	1100, 2300 (Coastal area D ⁽³⁾ : 0210, 0645, 1300,1915) (Coastal area H: 0815, 2015)	Operational
	SAR SafetyNET EGC SAC 32, 38, 39 and NAV (SAC 42 ⁽¹⁾)	Australia	Xantic Perth LES 22	IOR & POR All ocean regions from 25 October 02	= RCC Canberra	As occasion demands	Operational
	COASTAL WARNINGS ⁽²⁾	Australia	Perth	IOR & POR	See figure 8-2 for B1 character	0700, 1900 + on receipt	Operational
XI	NAV	Japan*	Yamaguchi	POR & IOR	All area in AREA XI	0005, 0805, 1205	Operational
		Singapore	Sentosa	POR & IOR	NAVAREA XI	As and when required	Operational
		Thailand	Nonthaburi	IOR	III,VII,VIII,X,XI	On demand	Operational

(1) SAC 42: Information provided by RCC Canberra (AMSA); SAC 39: maritime assistance arranged by AMSA.

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

(3) 1 hour earlier during Australian Eastern Daylight Saving Time.

NAV/MET Area	Type of MSI	Country	CES	Ocean Area	Area Covered	Broadcast schedule (UTC)	Status of implementation
XI (cont.)	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
		Thailand	Nonthaburi	IOR	III, VII, VIII, X, XI	On demand	Operational
	SAR	Indonesia	Perth	POR & IOR		As occasion demands	Operational
		Japan	Yamaguchi	POR & IOR	North of 17°N, West of 165°E	As occasion demands	Operational
		Malaysia	Singapore	POR & IOR		As occasion demands	Operational
		Singapore	Sentosa	POR & IOR	NAVAREA XI	As and when required	Operational
		Thailand	Nonthaburi	IOR	III, VII, VIII, X, XI	On demand	Operational
	COASTAL WARNINGS	Thailand	Nonthaburi	IOR	III, VII, VIII, X, XI	On demand	Operational
SAR	Associate Member of IMO Hong Kong	Perth	POR & IOR		As occasion demands	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	U.S. SAR Region	As occasion demands	Operational
		Canada	Laurentides	POR & AOR-W	Canadian SAR Region	As occasion demands	Operational
XIII	NAV	Russian Federation*	Nudol	POR	AREA XIII	0930, 2130	Operational
		Japan	Perth	POR	South of 60°N in AREA XIII	0930, 2130	Operational
	MET	Russian Federation**	Nudol	POR	AREA XIII	0930, 2130	Operational
		Japan**	Yamaguchi	POR	South of 60°N in AREA XIII	0230, 0830, 1430, 2030	Operational ⁽⁴⁾
	SAR	Russian Federation	Nudol	POR	Russian Federation SAR Region	As occasion demands	Operational

⁽⁴⁾ Same service to METAREA XI.

NAV/MET Area	Type of MSI	Country	CES	Ocean Area	Area Covered	Broadcast schedule (UTC)	Status of implementation
XIV	NAV	New Zealand*	Stratos Auckland	POR	Area XIV	On receipt + every 12 hrs.	Operational
		France (New Caledonia)	Aussaguel	POR	Coastal Navigational Warnings, Zone N	0140, 1340	Operational
		France (Wallis and Futuna)	Aussaguel	POR	Coastal Navigational Warnings, Zone D	0030, 1230	Operational
		French Polynesia	Southbury	POR	Coastal Navigational Warnings, Zone R	0250, 1450	Operational
	MET	New Zealand**	Stratos Auckland	POR	(20°S 160°E) (20°S 120°W) (55°S 160°E) (55°S 120°W)	0930, 2130 0100, 1300 (NZ coast only) 0330, 1530 (warnings only)	Operational
	SAR	New Zealand	Stratos Auckland	POR	NZ SAR Region	As occasion demands	Operational
Tonga		TBD	POR	Within NZ SAR Region	As occasion demands	Planned [N. I.]	
XV	NAV	Chile*	Southbury	AOR-W	AREA XV	0210, 1410, 2210	Operational
	MET	Chile**	Southbury	AOR-W	AREA XV	0100, 1330, 1845	Operational
	SAR	Chile	Southbury	AOR-W	Chilean SAR Region	As occasion demands	Operational
XVI	NAV	Peru*	Southbury	AOR-W	AREA XVI	0519, 1119, 1719, 2319	Operational
	MET	United States**	Southbury	AOR-W	AREA XVI	0515, 1115, 1715, 2315	Operational
	SAR	Peru	Southbury	AOR-W	Area covered by 03° 24'S 18° 21'S 120°W and coastline	As occasion demands	Operational

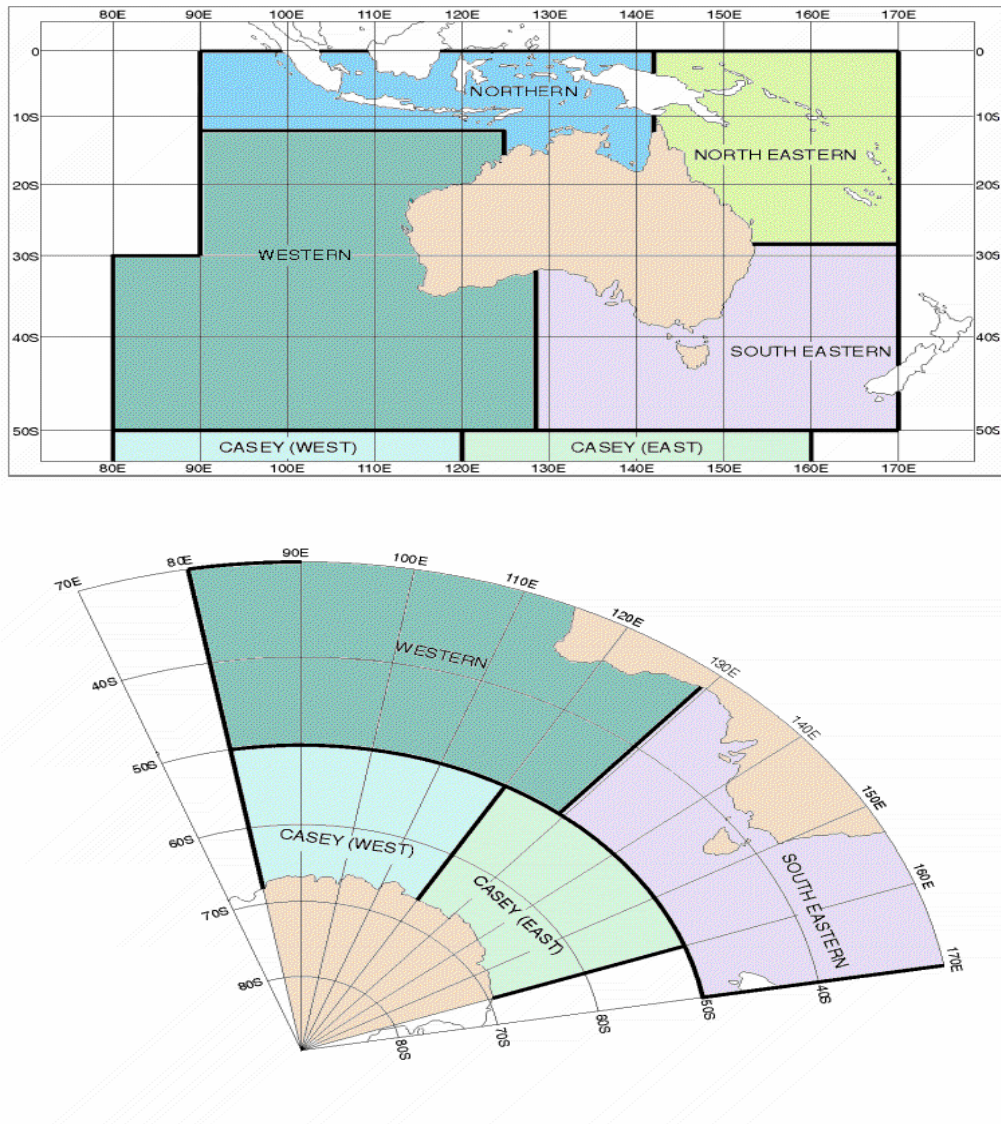


Figure 8-1 Areas for weather forecasts in Australia

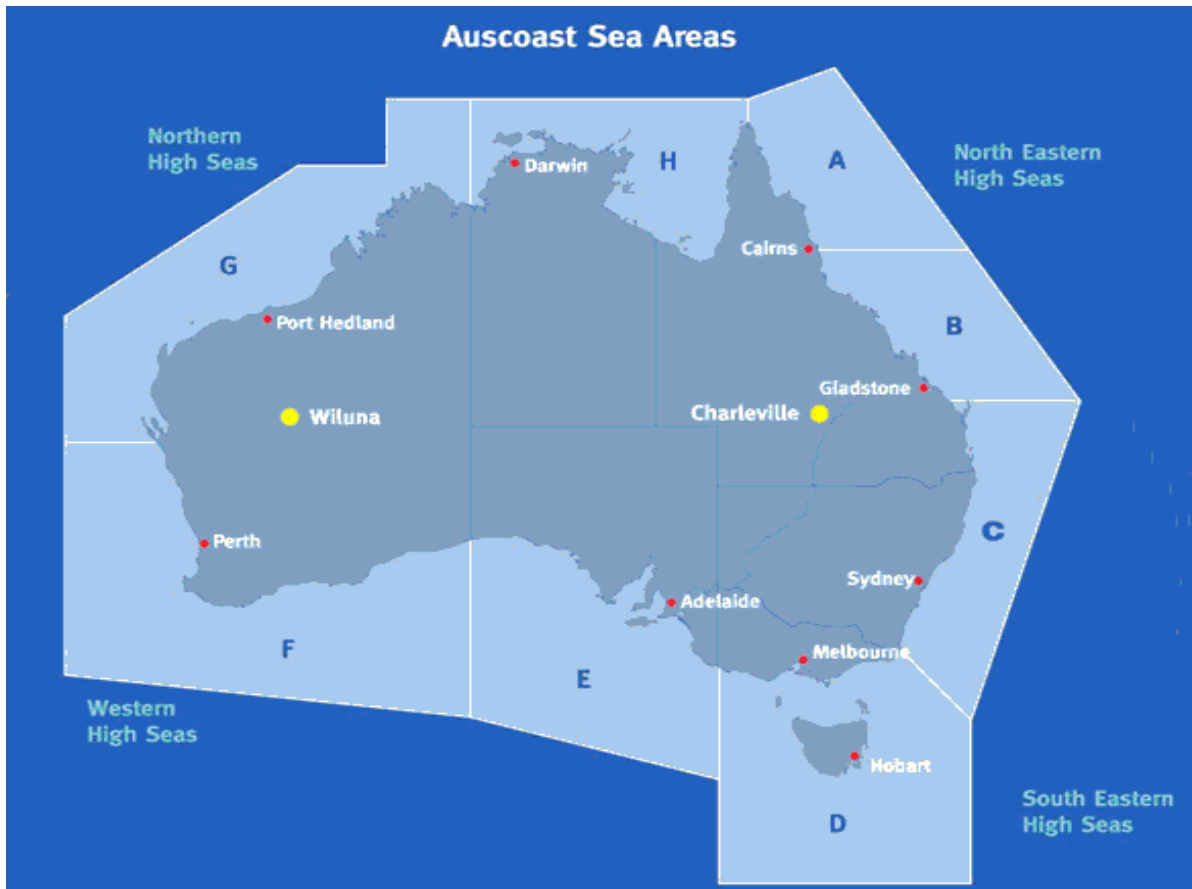


Figure 8-2 Areas for coastal navigational warnings on SafetyNET in Australia

APPENDICES

TABLE OF INTERNATIONALLY CO-ORDINATED 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	CO-ORDINATOR	TIMES (UTC)	SATELLITE
I	United Kingdom	1730 + as appropriate	AOR (E)
II	France	1630	AOR (E)
III	Spain	1200, 2400 + on receipt	AOR (E)
IV	United States	1000, 2200	AOR (E) & (W)
V	Brazil	0400, 1230	AOR (E)
VI	Argentina	0200, 1400	AOR (W)
VII	South Africa	1940	IOR & AOR (E)
VIII	India	1000	IOR
IX	Pakistan	0800	IOR
X	Australia	0700, 1900 + on receipt	POR & IOR
XI	Japan	0005, 0805, 1205	POR & IOR
XII	United States	1030, 2230	POR & AOR (W)
XIII	Russian Federation	0930, 2130	POR
XIV	New Zealand	on receipt + every 12 hours	POR
XV	Chile	0210, 1410, 2210	AOR (W)
XVI	Peru	0519, 1119, 1719, 2319	AOR (W)

APPENDIX 2
METAREA SCHEDULES

METAREA	ISSUING COUNTRY	TIMES (UTC)	SATELLITE
I	United Kingdom	0930, 2130	AOR (E)
II	France	0900, 2100	AOR (E) & (W)
III	Greece	1100, 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	0700	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	0330, 1015, 1530, 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 (0100, 1300 (NZ Coast only)) (0300, 1530 (Warning only))	POR
XV	Chile	0100, 1330, 1845	AOR (W)
XVI	United States	0515, 1115, 1715, 2315	AOR (W)

* Same service to METAREA XI

APPENDIX 3

BROADCAST SCHEDULES OF EACH SATELLITE REGION

Ocean region	Broadcast schedule (UTC)	
AOR-E	0000 (MET VIII), 0400 (NAV V), 0430 (MET IV) 0600 (MET VIII), 0730 (MET V), 0900 (MET II), 0930 (MET I), 0940 (MET VII), 1000 (MET III & NAV IV), 1030 (MET IV), 1200 (NAV III & MET VIII),	1230 (NAV V), 1630 (NAV II & MET IV), 1730 (NAV I), 1800 (MET VIII), 1930 (MET V), 1940 (NAV & MET VII), 2100 (MET II), 2130 (MET I), 2200 (MET III & NAV IV), 2230 (MET IV), 2400 (NAV III)
AOR-W	0100 (MET XV), 0200 (NAV VI), 0210 (NAV XV), 0230 (MET VI), 0430 (MET IV), 0515 (MET XVI), 0519 (NAV XVI), 0545 (MET XII), 0900 (MET II & NAV IV & V), 1000 (NAV IV), 1030 (MET IV & NAV XII), 1115 (MET XVI), 1119 (NAV XVI), 1145 (MET XII), 1330 (MET XV), 1400 (NAV VI),	1410 (NAV XV), 1630 (MET IV), 1715 (MET XVI), 1719 (NAV XVI) 1730 (MET VI), 1745 (MET XII), 1845 (MET XV), 2100 (MET II & NAV IV & V), 2200 (NAV IV), 2210 (NAV XV), 2230 (MET IV & NAV XII), 2315 (MET XVI), 2319 (NAV XVI), 2345 (MET XII)
IOR	0000 (MET VIII), 0005 (NAV XI), 0040 (NAV VII & VIII), 0130 (MET VIII), 0140 (NAV VII), 0330 (NAV VII & VIII & MET XI), 0600 (MET VIII), 0700 (NAV X & MET IX), 0800 (NAV IX), 0805 (NAV XI), 0900 (MET VIII), 0940 (MET VII), 1000 (NAV VIII),	1015 (MET XI), 1030 (MET X), 1200 (MET VIII), 1205 (NAV XI), 1240 (NAV VII & VIII), 1330 (MET VIII), 1340 (NAV VII), 1530 (NAV VII & VIII & MET XI), 1800 (MET VIII), 1900 (NAV X), 1940 (NAV & MET VII), 2215 (MET XI), 2330 (MET X)
POR	0005 (NAV XI), 0030 (NAV XIV), 0100 (MET XIV), 0140 (NAV X & XIV), 0230 (MET XI & XIII), 0250 (NAV XIV), 0330 (MET XIV), 0545 (MET XII), 0700 (NAV X), 0805 (NAV XI), 0830 (MET XI & XIII), 0930 (NAV XIII, MET XIII & XIV), 1030 (NAV XII), 1100 (MET X), 1145 (MET XII), 1205 (NAV XI),	1230 (NAV XIV), 1300 (MET XIV), 1340 (NAV X & XIV), 1430 (MET XI & XIII), 1450 (NAV XIV), 1530 (MET XIV), 1745 (MET XII), 1900 (NAV X), 2030 (MET XI & XIII), 2130 (NAV XIII, MET XIII & XIV), 2230 (NAV XII), 2300 (MET X), 2345 (MET XII)

- Shaded broadcasts are not operational (under trial).
- *Italic broadcasts* are interim services.

ANNEX 9

HF NBDP MARITIME SAFETY INFORMATION BROADCAST SERVICE

Country	NBDP Coast Station	Position	Frequency Band*	Schedule (UTC)	Status of implementation
Argentina	Comodoro Rivadavia PNA Radio	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 PNA Radio	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 in Rio de Janeiro PWZ-33	22°56'.00S 043°20'.00W	6 MHz	0230, 0400, 0600, 1430, 1845, 2130	Operational
			8 MHz	0230, 0400, 0600, 1430, 1845, 2130	
			12 MHz	0230, 0400, 0600, 1430, 1845, 2130	
			16 MHz	0230, 0400, 0600, 1430, 1845, 2130	
Canada	Iqaluit (Main) Resolute (Monitor)	63°43'.7 N 068°33'.00W 74°45'.14 N 094°58'.15W	4 MHz	No scheduled broadcasts	Operational (on test)
			6 MHz		
			8 MHz		
			12 MHz		
			16 MHz		
			19 MHz		
			22 MHz		
			26 MHz		
Egypt	Alexandria	31°12'.00N 029°52'.00E	8 MHz	TBD	TBD
	Serapeum	30°28'.00N 032°22'.00E	4 MHz		Planned [1 February 1999]
			6 MHz		
			8 MHz		
Greece			TBD		Planned [N.I.]
Indonesia			TBD		Planned [N.I.]

Country	NBDP Coast Station	Position	Frequency Band*	Schedule (UTC)	Status of implementation
Iran	Abbas	27°12'.00N 057°17'.00E	4 MHz	1430, 1830	Operational
			8 MHz	0530, 1230	
			12 MHz	0830, 1030	
Italy				TBD	Planned [N.I.]
Peru	Paita	05°05'.00S 081°07'.00W	8 MHz	0200	N.I.
	Callao	12°03'.00S 077°07'.00W	8 MHz	1600	
	Mollendo	17°01'.00S 072°01'.00W	8 MHz	2100	
South Africa	Cape Town	33°40'.00S 018°43'.00E	4 MHz (4214 kHz ⁽¹⁾)	0615, 0900, 1700	Operational
			8 MHz (8428.5 kHz ⁽¹⁾)	0615, 0900, 1700	
			12 MHz (12601 kHz ⁽¹⁾)	0615, 0900, 1700	
			16 MHz (16816 kHz ⁽¹⁾)	0615, 0900, 1700	
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

⁽¹⁾ These are national frequencies, not frequencies allocated by the Radio Regulations (Article N.38) for HF NBDP.

ANNEX 10

**LIST OF COSPAS-SARSAT MCCs (MISSION CONTROL CENTRES)
AND LEOLUTs (LOCAL USER TERMINALS IN LEOSAR SYSTEM)**

Ground Segment Operator	MCC			LEOLUT		RCC ASSOCIATED
	Location	Designator	Status of implementation	Location	Status of implementation	
Algeria	Alger	MCC Alger	Operational	Ourgla	Operational	RCC Alger
				Reghaia	Operational	
Argentina	Ezeiza	ARMCC	Operational	Ezeiza	Operational (GEOLUT)	MRCC Puerto Belgrano
				Parana	Operational	
				Rio Grande	Operational	
Australia	Canberra	AUMCC	Operational	Albany	Operational	RCC Australia
				Bundaberg	Operational	
Brazil	Brasília	BRMCC	Operational	Brasília	Operational	Salvamar/Salvaero Brazil
	Brasília	BRMCC	Operational	Recife	Operational	
				Manaus	Operational	
Canada	Trenton	CMCC	Operational	Churchill	Operational	
				Edmonton	Operational	
				Goose Bay	Operational	
Chile	Santiago	CHMCC	Operational	Santiago	Operational	MRCC Chile
				Punta Arenas	Operational	
				Isla de Pascua	Operational	
China	Beijing	C/VHMCC	Operational	Beijing (Dual LEOLUT system)	Operational	
France	Toulouse	FMCC	Operational	Toulouse (Dual LEOLUT system)	Operational	MRCC Gris Nez MRCC La Garde
Greece	TBD	GRMCC	Planned [2006]	TBD	Combined LEO/GEOLUT Planned [2006]	Piraeus JRCC
India	Bangalore	INMCC	Operational	Bangalore	Operational	
				Lucknow	Operational	

Ground Segment Operator	MCC			LEOLUT		RCC ASSOCIATED
	Location	Designator	Status of implementation	Location	Status of implementation	
Indonesia	Jakarta	IDMCC	Operational	Ambon	Commissioned, not 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	Yokohama (Dual LEOLUT system)	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	Operational	RCC Lower Hutt
Norway	Bodoe	NMCC	Operational	Tromsoe	Operational	RCC Bodoe RCC Stavanger
Pakistan	Lahore	PAMCC	Under development	Lahore	Operational	CAA Lahore MSA Karachi
Peru	Callao	PEMCC	Operational	Callao	Operational	Callao
Republic of Korea	Incheon	KOMCC	Operational	Incheon	Operational	Korea Coast Guard MRCC
Russian Federation	Moscow	CMC	Operational	Arkhangelsk	Operational	MRSC Arkhangelsk SMRCC Moscow MRCC Vladivostok for Arkhangelsk, Moscow, Nakhodka correspondingly
				Moscow	Operational	
				Nakhodka	Operational	
				Novosibirsk	Commissioned, not operational	

Ground Segment Operator	MCC			LEOLUT		RCC ASSOCIATED
	Location	Designator	Status of implementation	Location	Status of implementation	
Saudi Arabia	Jeddah	SAMCC	Operational	Jeddah	Operational	N.I.
Singapore	Singapore Air Traffic Control Centre	SIMCC	IOC – Operational FOC – Operational	01° 35'.5N 103° 59'.19E LEO	Operational	Singapore Port Operations Control Centre
South Africa	Cape Town	ASMCC	Operational	Cape Town	Operational	N.I.
Spain	Maspalomas	SPMCC	Operational	Maspalomas	Operational	RCC Madrid RCC Baleares RCC Canarias (part of RCC Cape Town)
Thailand	Bangkok	THMCC	Operational	Bangkok LEO	Operational	RCC Bangkok
United Kingdom	Kinloss	UKMCC	Operational	Combe Martin	Operational	MRCC Falmouth ARCC Kinloss
United States	Suitland	USMCC	Operational	Alaska (Dual LEOLUT system)	Operational	CG Atlantic: Portsmouth CG District 1: Boston, MA CG District 5: Portsmouth CG District 7: Miami, FL CG District 8: New Orleans, LA CG District 9: Cleveland, OH CG District 11: Alameda CG District 13: Seattle, WA CG District 14: Honolulu, HI CG District 17: Juneau, AK Fort Richardson, AK Langley AFB: Langley, VA CG Pacific: Alameda, CA
				California (Dual LEOLUT system)	Operational	
				Hawaii (Dual LEOLUT system)	Operational	
				Texas (Dual LEOLUT system)	Operational	
				Guam (Dual LEOLUT system)	Operational	
				Puerto (Dual LEOLUT system)	Operational	
				Suitland (Dual LEOLUT system)	Operational	
Viet Nam	20°51'.47N 106°40'.59E	N. I.	Under trial	20°48'.04N 106°42'.36E	Under trial	Viet Nam Maritime Search and Rescue Co-ordinating Centre (VMRCC)

Ground Segment Operator	MCC			LEOLUT		RCC ASSOCIATED
	Location	Designator	Status of implementation	Location	Status of implementation	
Associate Member of IMO Hong Kong, China	Hong Kong	HKMCC	Operational	Hong Kong, (Dual LEOLUT system)	Operational	MRCC Hong Kong

Note: LEOSAR low Earth orbit SAR satellite system.

LIST OF COSPAS-SARSAT GEOLUTs (LOCAL USER TERMINALS IN GEOSAR SYSTEM)

Ground Segment Operator	Location	Status of implementation	Comments
Argentina	Ezeiza	Functional (b)	
Brazil	Brasilia	Functional (a) (b)	Data not distributed internationally
Canada	Trenton (1)	Functional (b)	
	Trenton (2)	Functional (b)	
Chile	Santiago	Functional (b)	
India	Bangalore	Functional (b)	
New Zealand	Wellington	Operational x 2 (GOES 9 and GOES 10)	
Spain	Maspalomas	Functional (b)	
United Kingdom	Combe Martin	Operational	

Notes: GEOSAR geostationary SAR satellite system.
 (a) Combined LEO/GEOLUT operates part-time as a GEOLUT and part-time as a LEOLUT.
 (b) Functional GEOLUTs have not been commissioned; however, alert data are used operationally.

O = Used
X = Not used

ANNEX 11

SATELLITE EPIRB REGISTRATION INFORMATION

Country [MID]	Type used	406 MHz EPIRB coding methods			Agency maintaining 406 MHz EPIRB registration database	Frequency of updating database
	406 MHz	Serial No.	MMSI	Call sign		
Algeria [605]	O	X	O	X	Commandement des Forces de la Défense Aérienne du Territoire CFDAT Phone: +(213) 21-49-51-02 Fax: +(213) 21-49-51-02 E-mail:	Daily
Argentina [701]	O	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 +54-11-4317-2364 Telex: 497222227 Inmarsat "C" E-mail: coopacsm@ara.mil.ar	Daily
Australia [503]	O	O	O	O	Emergency Response Australian Maritime Safety Authority Address: Level 3, 25 Constitution Avenue G.P.O. Box 2181, Canberra, Act 2601 Australia Business Hours-Enquiries & Registrations Phone: +61-2-6279-5041 (international) Local: 02-6279-5041 After Office hours – Emergency Only Phone: +61-2-6230-6811 (international) 1800 641 792 Fax: +61-2-6230-6868 (24 hours) E-mail: aus_beacon_query@amsa.gov.au	In real time when received during business hours
Bahamas [308] [309]	O	X	O	X	HM Coastguard Address: Pendennis Point, Falmouth United Kingdom Phone: +44-1326-317575 Fax: +44-1326-318342 Telex: 45560 (FALMCG G) E-mail:	Continuous
Belgium [205]	O	X	O	X	IBPT (Institut Belge des Services Postaux et des Telecommunications) Address: Sterrenkundelaan No. 14 P.O. Box 21, B-1210 Bruxelles Belgium Phone: +32-2-226-8856 Fax: +32-2-226-8802 (Monday to Friday 06.00-15.00 UTC) E-mail:	Daily

Country [MID]	Type used	406 MHz EPIRB coding methods			Agency maintaining 406 MHz EPIRB registration database	Frequency of updating database
	406 MHz	Serial No.	MMSI	Call sign		
Bermuda (U.K.) [310]	O	X	O	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 E-mail:	As required
Brazil [710]	O	O	O	O	BRMCC – CINDACTA UNO - SHIS Address: QI 05 Área Especial 12 Lago Sul – Brasília - DF CEP 71615600 Brazil Phone: +55-61-3652964 Fax: +55-61-3652964 Telex: 611018 AFTN: SBBRZSZX E-mail: _brmcc@cindactal.aer.mil.br	Continuously. Revision is done biannually
Bulgaria [207]	O	O	X	O	State Shipping Inspectorate Address: 5n Primorski Boulevard, 9000 Varna Bulgaria Phone: +359-52-603113 Fax: +359-52-602317 Telex: 67-77460 E-mail:	Every 3 months
Canada [316]	O	O	X	X	National Search and Rescue Secretariat Address: 275, Slater Street, 4 th floor Ottawa, Ontario K1A 0K2 – Canada Phone: +1-613-996 1504 +1-800-727 9414 (Mon-Fri 0800-1630) Fax: +1-613-996 3746 E-mail: www.nss.gc.ca	Daily with 365 day annual review
Chile [725]	O	X	O	X	Dirección de Seguridad y Operaciones Marítimas – (DIRSOMAR) Address: Subida Cementerio No. 300 Playa Ancha Valparaiso – Chile Phone: +56-32-2208637 +56-32-2208638 +56-32-2208639 Fax: +56-32-2208662 E-mail: mrccchile@directemar.cl	N. I.
China [412]	O	N. I.	O	N. I.	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 E-mail:	As required

Country [MID]	Type used	406 MHz EPIRB coding methods			Agency maintaining 406 MHz EPIRB registration database	Frequency of updating database	
	406 MHz	Serial No.	MMSI	Call sign			
Colombia [730]	O	N. I.	N. I.	N. I.	Departamento Administrativo de Aeronáutica Civil Address: Bogotá Colombia	Phone: +57-1-4139598 +57-1-4139638 Fax: +57-1-4138091 Telex: 35-44844/44620 E-mail:	N.I.
Costa Rica [321]	O	N. I.	N. I.	N. I.	Central America Search and Rescue Point of Contact	Fax: +55-21-2200515 Telex: 3912137113 E-mail:	N. I.
Croatia [238]	O	X	O	X	MRCC Rijeka, Senjsko Pristanište 3/III 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 E-mail: mrcc@pomorstvo.hr	Every 10 days
Cyprus [209] [210] [212]	O	X	O	X	Department of Merchant Shipping P.O. Box 56193, CY 3305 Limassol – Cyprus ----- RCC LARNACA Larnaca International Airport CY 7130 Larnaca Cyprus	(From 05.30 to 17.30 Monday to Friday) Phone: +357-25848100 Fax: +357-25848200 E-mail: (For 24 hours contact) Phone: +357-24304723/24304737 Fax: +357-24643254 Inmarsat-B: 321099992 Inmarsat-C: 421099999 E-mail:	Continuously
Denmark [219] [220]	O	X	O	X	RCC Karup Address: Flyvertaktisk Kommando RCC Karup, Koelvraa DK-7470 Karup J. Denmark	Phone: +45-99624959 (ext. 5631) Fax: +45-99624954 Telex: 66160 (Rescue DK) AFTN: EKMCYCYX E-mail:	Continuous

Country [MID]	Type used	406 MHz EPIRB coding methods			Agency maintaining 406 MHz EPIRB registration database	Frequency of updating database
	406 MHz	Serial No.	MMSI	Call sign		
Ecuador [735]	O	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) E-mail:	N. I.
Egypt [622]	O	X	O	X	Ports & Lighthouses Address: Serapum – Ismailia SAR Phone: +2064-322299 Fax: +2064-334869 E-mail: Phone: 202-4184537 Fax: 202-4184531 E-mail:	N. I.
El Salvador [359]	O	N. I.	N. I.	N. I.	Central America Search and Rescue Point of Contact Fax: +55-21-2200515 Telex: 3912137113 E-mail:	N. I.
Estonia [276]	O	O	O	X	MRCC Tallinn Address: Susta 15 11712 Tallinn Estonia Phone: +372-639-9500 +372-692-2222 Fax: +372-639-9501 Telex: (537) 173341 PIIR EE E-mail: mvk@mewal.pv.ee	Continuous
Faeroe Islands (Denmark) [231]	O	X	O	X	RCC Karup Address: Flyvertaktisk Kommando RCC Karup, Koelvraa DK-7470 Karup J Denmark Phone: +45-99624950 (ext. 5631) Fax: +45-99624954 Telex: 66160 (Rescue DK) AFTN: EKMCYCYX E-mail:	Continuous
Fiji [520]	O	O	O	O	N. I. Phone: + N. I. Fax: + E-mail:	N. I.

Country [MID]	Type used	406 MHz EPIRB coding methods			Agency maintaining 406 MHz EPIRB registration database	Frequency of updating database	
	406 MHz	Serial No.	MMSI	Call sign			
Finland [230]	O	X	O	X	Finnish Communications Regulatory Authority Address: Box 313, FIN-00181 Helsinki Finland	Phone: +358-9-69-661 Fax: +358-9-69-66410 E-mail: info@ficora.fi	Daily
France [226] [347] [227] [361] [228] [660] [329] [745]	O	X	O	X	MRCC Gris Nez Postal address: 62179 Audinghem France	Phone: +33-3-21-872187 Fax: +33-3-21-877855 Telex: 130680 Inmarsat-C: 422799256 E-mail: OPS.CROSS-GRIS-NEZ@equipement.gouv.fr AFTN: LFINZPZX	Daily
Georgia [213]	O	O	O	O	Georgian Maritime Administration Address: 4, Shavsheti Street, Batumi 384517, Georgia	Phone: +995 222 73909 +995 222 74925 Fax: +995 222 73929 E-mail: magheadof@fsc.gov.ge	When new numbers are issued
Germany [211] [218]	O	X	O	X	MRCC Bremen	Phone: +49-42153 6870 Fax: +49-42153 68714 Telex: 244754 or 246466 (mrccd) AFTN: EDDWYYXX Attn.: MRCC Bremen E-mail:	Daily
Gibraltar					Address: Gibraltar Regulatory Authority (GRA) Suite 631 Europort - Gibraltar	Phone: +350-74636 Fax: +350-72166 E-mail: info@gra.gi	
Greece [237] [239] [240]	O	X	O	X	RCC Piraeus Address: 150 Gr. Lampraki St. GR-185 18 Piraeus Greece	Phone: +30210-4112500 +30210-4220772 (emergency) +30210-4191369 +30210-4191126 +30210-4191325	N. I.

Country [MID]	Type used	406 MHz EPIRB coding methods			Agency maintaining 406 MHz EPIRB registration database	Frequency of updating database
	406 MHz	Serial No.	MMSI	Call sign		
Greece (cont.)					Fax: +30210-4115798 +30210-4191561 +30210-4117801 +30210-4224417 +30210-4132398 +30210-4220466 Telex: +601-211588 RCC GR +601-211254 RCC GR +601-212239 YEN GR +601-212273 YEN GR +601-213594 YEN GR AFTN: LGGGYCYX Inmarsat-A: 1133207 RCCG 423767310 RCCG Inmarsat-C: (AOR-E/IOR) E-mail:	
Greenland (Denmark) [331]	O	O	O	X	RCC Karup Address: Flyvertaktisk Kommando RCC Karup, Koelvraa DK-7470 Karup J. Denmark Phone: +45-99624950 (ext. 5631) Fax: +45-99624954 Telex: 66160 (Rescue DK) AFTN: EKMCYCYX E-mail:	Continuous
Iceland [251]	O	X	O	X	Post and Telecom Administration Smidjuvegur 68-70 IS-200 Kopavogur Iceland Phone: +354-510 1500 Fax: +354-510 1509 E-mail:	N. I.
India [419]	O	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 E-mail:	N. I.

Country [MID]	Type used	406 MHz EPIRB coding methods			Agency maintaining 406 MHz EPIRB registration database	Frequency of updating database	
	406 MHz	Serial No.	MMSI	Call sign			
Indonesia [525]	O	N. I.	N. I.	N. I.	Department of Transportation National SAR Agency (BASARNAS) Address: Jl Merdeka Timur No. 5 Jakarta Indonesia	Phone: +62-21-34832881 Fax: +62-21-34832884 Telex: +62-21-44025 E-mail: basarnas@basarnas.go.id http://basarnas.go.id	N. I.
Ireland [250]	O	N. I.	N. I.	N. I.	MRCC Dublin	Phone: +353-1-6620922 Fax: +353-1-6620795 Telex: 500 93039 (IMES EI) AFTN: EIDWIMES E-mail:	N. I.
Italy [247]	O	O	O	O	ITMCC Address: Via D'Annunzio, 7 Bari Palese Italy	Phone: +39-80-5316250 Fax: +39-80-5316254 Telex: 811375 AFTN: CIBD252X E-mail: itmcc@pangeanet.it	Weekly
Jamaica [339]	O	N. I.	O	N. I.	Port and Telecommunications Departments Address: South Camp Road Kingston - Jamaica	Phone: +876-922-9430 Fax: +876-922-9449 Telex: 2133 Potelskn Ja E-mail: jampost@wtjam.net	Upon receipt of new activation
Japan [431]	O	X	O	X	Japan Mission Control Centre (JAMCC) Japan Coast Guard Address: 2-1-3 Kasumigaseki, Chiyoda-ku Tokyo 100-8989 Japan	Phone: +81-3-3591-6106 Fax: +81-3-3591-6107 Telex: 2225193 (JMSAHQJ) AFTN: RJTTYKYX E-mail:	Regularly
Latvia [275]	O	X	O	X	MRCC Riga Address: Meldru 5a Riga LV-1015 Latvia	Phone: +371-7323103/7082070 Fax: +371-7320100/9270690 E-mail: sar@mrcc.lv	Regularly

Country [MID]	Type used	406 MHz EPIRB coding methods			Agency maintaining 406 MHz EPIRB registration database	Frequency of updating database
	406 MHz	Serial No.	MMSI	Call sign		
Liberia [636]	O	X	O	O	Liberian International Ship & Corporate Registry, LLC Address: 8619 Westwood Center Drive, Vienna Virginia 22182 USA Phone: +1-703-790-3434 (working hours) +1-703-508-3019 (after hours) Fax: +1-703-790-5655 Telex: UK 940498535 E-mail:	Continuously
Lithuania [277]	O	O	O	O	MRCC Klaipėda Address: J. Janonio str. 24 92251 Klaipėda Lithuania Phone: +370-46-499670 +370-46-499669 Fax: +370-616-36884 +370-46-499677 E-mail: mrcc@msa.lt	As often as the new data is received
Madagascar [647]	O	N. I.	N. I.	N. I.	RCC Antananarivo Centre de Co-ordination Recherches et Sauvetage P.O. Box 46 Antananarivo, Ivato 105 Madagascar Phone: +221-2022-44410 Telex: 22286 ASEMAD MG E-mail:	N.I.
Malaysia [533]	O	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 E-mail: kpgr@marine.gov.my	On receipt of registration form
Malta [215] [248] [249] [256]	O	X	O	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) E-mail:	Continuously

Country [MID]	Type used	406 MHz EPIRB coding methods			Agency maintaining 406 MHz EPIRB registration database	Frequency of updating database
	406 MHz	Serial No.	MMSI	Call sign		
Marshall Islands [538]	O	X	X	O	International Registries Inc. Address: 11495 Commerce Park Drive, Reston Virginia 20191 USA Phone: +1-703-620-4880 (working hours) +1-703-620-4766 (after hours) Fax: +1-703-476-8522 E-Mail: cegeiger@register-iri.com	Continuously
Mauritius [645]	O	X	O	X	-	-
Mexico [345]	O	X	O	X	Telecomm Address: Eje Central Lázaro Cárdenas 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 E-mail: cegg@telecomm.net.mx informat@telecomm.net.mx inge@telecomm.net.mx www.telecomm.net.m/satelitales/lista_embarcaciones	Monthly
Netherlands [244] [245] [246]	O	X	O	X	Ministry of Economic Affairs 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 E-mail:	Daily
New Zealand [512]	O	N. I.	N. I.	N. I.	Rescue Co-ordination Centre New Zealand Address: Avalon Tower Percy Cameron Street P.O. Box 30050 Lower Hutt New Zealand Phone: +644-9148380 Fax: +644-9148391 E-mail: 406registry@msa.govt.nz	N. I.

Country [MID]	Type used	406 MHz EPIRB coding methods			Agency maintaining 406 MHz EPIRB registration database	Frequency of updating database
	406 MHz	Serial No.	MMSI	Call sign		
Nicaragua [350]	O	N. I.	N. I.	N. I.	Central America Search and Rescue Point of Contact Phone: +55-21-2200515 Telex: 3912137113 E-mail:	N. I.
Norway [257] [258]	O	X	O	X	Telenor Maritim Radio Lisensavdelingen Address: N-1331 Fornebu Oslo – Norway Phone: +47-22-77 43 50 Fax: +47-22-42 70 72 E-mail: lisensavdeling@telenor.com	Daily
Pakistan [463]	O	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) E-mail:	N. I.
Peru [760]	O	O	X	X	Centro de Control de Misiones del Perú Address: Avenida Contralmirante J. Mora Base Naval del Callao Callao 1 - Perú Phone: +51-1-4202020 Telefax: +51-1-4200766 Telex: +36-26042 COMOPERGUARD E-mail: pemcc@marina.mil.pe	yearly
Philippines [548]	O	N. I.	N. I.	N. I.	Manila RCC Address: Pasay City, Metro Manila Philippines Phone: +63-2-8323013 Fax: +63-2-8331577 E-mail:	N. I.
Poland [261]	N. I.	N. I.	N. I.	N. I.	Civil Aviation Office Ministry of Infrastructure Address: Ul. T. Chalubińskiego 4/6 00-928 Warsaw Poland Phone: +048-022-630 17 70 Fax: +048-022-630 14 52 E-mail:	N. I.
Portugal [204] [255] [263]	O	X	O	X	INSTITUTO MARITIMO-PORTUARIO Address: Edificio Vasco da Gama Rua General Gomes Araújo Cais Alcantara Mar 1399-005 Lisboa – Portugal ----- Phone: +351-21-391 4500 Fax: +351-21-397 9794 E-mail:	Daily

Country [MID]	Type used	406 MHz EPIRB coding methods			Agency maintaining 406 MHz EPIRB registration database	Frequency of updating database
	406 MHz	Serial No.	MMSI	Call sign		
Portugal (cont.)					MRCC Lisboa - [For 24 hours contact] Address: Reduto Gomes Freire, Estradà da Medrosa 2780-070 Oeiras Portugal Phone: +351-21-440 1919 Fax: +351-21-440 1954 Telex: 404-21-60747 E-mail:	
Republic of Korea [440] [441]	O	X	O	X	Korean Mission Control Center Address: 3-8 Songdo-dong. Yeonsu-gu, Incheon City Republic of Korea Zip 406-741 Phone: +82-32-835-2195 Fax: +82-32-835-2995 Telex: +801 24920 E-mail: komcc2@kornet.net	Every 2 weeks
Romania [264]	O	X	O	X	Constanta MRCC Address: Incinta Port 900900 Constanta Romania Phone: +40-241-601232 +40-241-615949 Fax: +40-241-601223 +40-241-606065 Telex: 14209 CPT E-mail: mrcc@ma.ro	Every 3 months
Russian Federation [273]	O	O	O	X	Morsviazputnik Address: 14/19 Novoslobodskaya St., Building 7 Moscow 103030 Russia Phone: +7-095-9671860 +7-095-9671862 Fax: +7-095-9671855 +7-095-9671830 Telex: 64-411197 A MMF SU E-mail:	Daily
Singapore [563] [564]	O	X	O	O	Maritime and Port Authority of Singapore Address: Port Master's Department 7B Keppel Road # 19-07/09, Tanjong Pagar Complex Singapore 089055 Singapore Phone: +65-325-2493/2494 +65-2265539 Fax: +65-224-5776 +65-227-9971 Telex: RS 20021 E-mail: pocc@mpa.gov.sg	Monthly

Country [MID]	Type used	406 MHz EPIRB coding methods			Agency maintaining 406 MHz EPIRB registration database	Frequency of updating database
	406 MHz	Serial No.	MMSI	Call sign		
South Africa [601]	O	O	O	O	MRCC Cape Town Address: PO Box 532 Parow, 7499 South Africa Phone: +27-21-938-3300 Fax: +27-21-938-3319 Telex: 09 551037 E-mail: mrcc.ct@samsa.org.za Mrcc.ct@samsa.org.za	N. I.
Spain [224]	O	X	O	O	Area de Inspección Radiomarítima Dirección General de la Marina Mercante Address: Calle Ruíz de Alarcón 1 28071 Madrid Spain Phone: +34-91-597-9275 +34-91-597-9220 Fax: +34-91-597-9176 E-mail: jaalonso@mform.es	N. I.
Suriname [765]	O	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 E-mail:	N. I.
Sweden [266]	O	O	O	O	MRCC Göteborg Address: Box 5158 SE-426-05 Västra Frölunda Sweden Phone: +46-31-699 080 Fax: +46-31-648 010 Telex: +5420180 MRCC-Gbg S AFTN: ESORYCYX E-Mail: mrccgbg@amrcc.sjofartsverket.se	Daily
Switzerland [269]	O	O	O	O	Schweizerisches Seeschiffahrtsamt Swiss Maritime Navigation Office Address: P.O. Box Nauenstrasse 49 CH-4052 Basel – Switzerland ----- JRCC Zurich (Joint maritime and aeronautical Rescue Co-ordination Center) P.O. Box 1414 CH-8058 Zurich-Airport Switzerland Phone: +41-61-270-9120 Fax: +41-61-270-9129 E-mail: ops@rega.ch (24 hours) ----- Phone: +41-44-654-3538 (24 hours) Fax: +41-44-654-3587 (24 hours) E-mail: sar@rega.ch (Administrative affairs from 07.00 until 19.00 hours)	N. I.

Country [MID]	Type used	406 MHz EPIRB coding methods			Agency maintaining 406 MHz EPIRB registration database	Frequency of updating database
	406 MHz	Serial No.	MMSI	Call sign		
Thailand [567]	O	X	O	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 E-mail:	Once a month
Turkey [271]	O	X	O	O	Undersecretariat for Maritime Affairs Address: Gazi Mustafa Kemal Bulvari No. 128/A Maltepe - Çankaya Ankara Turkey Phone: +90-312-231 9105 +90-312-232 4783/2624 Fax: +90-312-232 0823 Inmarsat-C: 427122324 M4GAN: 873764142267 E-mail: trmcc@denizcilik.gov.tr	Monthly
Ukraine [272]	O	X	O	X	State Enterprise "MORCOM" Address: 29, Prospekt Shevchenko Odesa 65058 Ukraine Phone: +380-482-683932 Fax: +380-482-631373 E-mail: morcom@te.net.ua	Daily
United Arab Emirates [470]	O	N. I.	N. I.	N. I.	Emirates RCC Phone: +971-2-757388 Telex: 22475 (ADIAAS EM) AFTN: OMAAYC E-mail:	N. I.
United Kingdom [232] [233] [234] [303]	O	O	X	X	EPIRB Registry Maritime and Coastguard Agency Address: MRCC Falmouth Pendennis Point Castle Drive Falmouth TR11 4WZ United Kingdom Phone: +44-1326-211569 Fax: +44-1326-319264 Telex: 45560 E-mail:	Daily

Country [MID]	Type used	406 MHz EPIRB coding methods			Agency maintaining 406 MHz EPIRB registration database	Frequency of updating database
	406 MHz	Serial No.	MMSI	Call sign		
United States [303] [338] [358] [366] [367] [368] [369] [379] [536] [559]	O	O	X	X	NOAA/SARSAT Address: E/SP3, Room 3320, FB-4 5200 Auth Road Suitland, MD 20746-4304 United States Phone: +1-301-457-5678 or +1-888-212-7283 Fax: +1-301-568-8649 Telex: 230-7400649 Online registration: http://beaconregistration.noaa.gov	Daily
Vanuatu [576]	O	X	O	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 E-mail: email@vanuatuships.com	N. I.
Venezuela [775]	O	N. I.	N. I.	N. I.	RCC Maiquetia Phone: +58-31-27601 (RCC) +58-31-22372 (RCC) +58-31-28751 (RCC) +58-31-26620 (SAR) +58-31-25385 (SAR) +58-31-26409 (SAR) +58-31-5092264 (Aero Civil) +58-31-5092210 Fax: ++58-31-23269 (RCC) (Aero Civil) +58-31-5744035 Telex: 28022 (MICACVC) 24626 (MICTAVC) AFTN: SVSCYFYX E-mail:	N.I.
Associate Member of IMO Hong Kong, China [477]	O	O	O	O	Maritime Rescue Co-ordination Centre Hong Kong Address: G.P.O. Box 4155 Hong Kong China Phone: +852-22337999 Fax: +852-25417714 Telex: 802-82952 MRCC HX E-mail: hkmrcc@mardep.gov.hk	Daily

ANNEX 12

LIST OF 24 HOUR POINTS OF CONTACT
FOR MMSI SHIP'S IDENTIFICATION

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 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 E-Mail:	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 +54-11-4317-2364 Telex: 497222227 Inmarsat "C" E-Mail: coopacsm@ara.mil.ar	Daily	Monthly
Australia [503]	Emergency Response Australian Maritime Safety Authority Address: Level 3, 25 Constitution Avenue G.P.O. Box 2181, Canberra, Act 2601 Australia	Business Hours-Enquiries & Registrations Phone: +61-2-6279-5041 (international) Local: 02-6279-5041 After Office hours – Emergency Only Phone: +61-2-6230-6811 (international) Local: 1800 641 792 Fax: +61-2-6230-6868 (24 hours) E-mail: aus_beacon_query@amsa.gov.au	In real time when received during business hours	In real time when received during business hours
Bahamas [308] [309]	HM Coastguard Address: Pendennis Point, Falmouth, TR11 4WZ United Kingdom	Phone: +44-1326-317575 Fax: +44-1326-318342 Telex: 45560 (FALMCG G)	Continuous	Continuous
Belgium [205]	Radio Maritime Service Address: Perronstraat 6, 8400, Oostende Belgium	Phone: +32-59-706 565 Fax: +32-59-701 339 Telex: 46 81257 E-mail: rmd@mil.be	Monthly	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*	
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 E-mail: rccbda@ibl.bm	As required	N. I.
Brazil [710]	ANATEL Address: Gerência Geral de Serviços Privados de Telecomunicações SAUS Q-6 B-E 7º andar Brasília – DF CEP 70070940 - Brazil	Phone: +55-61-3122390 Fax: +55-61-3122790 E-mail: baraviera@anatel.gov.br	Continuously	N. I.
Canada [316]	JRCC Halifax (24 hours point-of-contact) Address: P.O. Box 99000 Stn Forces, Halifax Nova Scotia B3K SX5 Canada	Phone: +1-902-427 8200 Fax: +1-902-427 2114 Telex: Inmarsat-B (telex) 584-331 699943	Weekly	Monthly
Cape Verde [617]	Ministério das Infra-estruturas, Transportes e Mar Agência Nacional das Comunicações CP No. 892 Praia - Santiago Cape Verde	Phone: +(238) 2615779 Fax: +(238) 2615780 E-mail:		
Chile [725]	Regulatory Administration/Maritime Address: Dirección de Seguridad y Operaciones Marítimas Subida Cementerio No. 300, Playa Ancha Valparaíso - Chile ----- Regulatory Administration/Maritime Address: Dirección General del Aeronáutica Civil/DGAC (DPA – DA) Santiago Chile	Phone: +56-32-2208637 +56-32-2208638/2208639 Fax: +56-32-2208662 E-mail: mrccchile@directemar.cl ----- Phone: +56-2-4107000/4107501 Fax: +56-2-2095000	As often as the new data is received	Periodically

Country [MID]	24 hour point of contact (Agency maintaining national database for MMSI-number)		Frequency of updating MMSI database	
			National database	ITU database*
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 E-mail: 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 E-mail: mrcc@pomorstvo.hr	Every 10 days	N. I.
Cyprus [209]	RCC Larnaca Larnaca International Airport CY 7130, Larnaca Cyprus	Phone: +357-24304723 +357-24304737 Fax: +357-24643254 Inmarsat-B: 321099992 Inmarsat-C: 421099999 AFTN: LCLKYCYX	Continuously	N. I.
Denmark [219] [220]	MRCC Aarhus	Phone: +45-89433099 ext. 3203 Fax: +45-89433230 Telex: +55-64485 RCCARH DK E-mail: mrcc@sok.dk	N. I.	N. I.
Estonia [276]	Estonian National Communication Board (open 6.00-15.00, Monday-Friday) Address: Adala 4D 10614 Tallinn Estonia	Phone: +372-693-1183 Fax: +372-693-1155 E-mail: postbox@sa.ee	Every week	Every month
Faeroe Islands (Denmark) [231]	Thorshaven Radio	Phone: +45-29812965 Telex: 81200 E-mail:	N. I.	N. I.
Fiji [520]	N. I.	Phone: N. I. Telex: E-mail:	N. I.	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*
Finland [230]	MRCC Turku Address: PL 16, 20101 Turku Finland	Phone: +358-204 1001 Fax: +358-2-250 0950 Telex: +57-62249 (MRCC FI) 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]	MRCC Gris Nez Postal address: 62179 Audinghem France	Phone: +33-3-21-872187 Fax: +33-3-21-877855 Telex: 130680 Inmarsat-C: 422799256 E-mail: GRISNEZMRCC@hotmail.com AFTN: LFINZPZX	Daily	N. I.
Georgia [213]	MRCC Georgia - Georgian Maritime Administration Address: 4, Shavsheti Street Batumi 384517 Georgia	Phone: +995 222 73913 Fax: +995 222 73905 E-Mail: mrcc_georgia@iberiapac.ge magheadof@fsc.gov.ge	When new numbers are issued	Annually (Planned quarterly)
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: EDDWYYXX Attn.: MRCC Bremen	Daily	Once a month
Gibraltar [...]	Gibraltar Port Authority Address: Port Office, North Mole Gibraltar	Phone: +350-78134/77272/77615 Fax: +350-40434 Telex: 2130 GIBPOR GK		Regularly
Greece [237] [239] [240]	Hellenic Ministry of Merchant Marine/Piraeus Joint RCC Address: 150 Gr. Lampraki St., GR-185 18 Piraeus Greece	Phone: +30210-4112500 (emergency) 4220772 (emergency) 4191369/4191126 4191325 Fax: +30210-4115798/4191561 4117801/4224417 4132398/4220466	N. I.	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*
Greece (continuation)		Telex: +601-211588/211254 RCC GR 212239/212273 YEN GR 213594 YEN GR AFTN: LGGGYCYX Inmarsat-A: 1133207 RCCG Inmarsat-C: 423767310 RCCG (AOR-E/IOR)		
Greenland (Denmark) [331]	RCC Sondrestrom	Phone: +45-29911201 Fax: +45-29911020 Telex: 90839 E-mail:	N. I.	N. I.
Iceland [251]	MRCC Reykjavik	Phone: +354-113099 Fax: +354-1610240 Telex: 2048 E-mail:	N. I.	N. I.
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 E-mail: COGECAP3@FLASHNET.IT	Real time	N. I.
Jamaica [339]	Port and Telecommunications Departments Address: South Camp Road, Kingston Jamaica	Phone: +876-922-9430 Fax: +876-922-9449 Telex: 2133 POTEFSKN JA E-mail: JAMPOST@wtjam.net	Upon receipt of new activation	N. I.
Japan [431]	Administration Division Guard and Rescue Department Japan Coast Guard Address: 2-1-3 Kasumigaseki, Chiyoda-ku, Tokyo 100-8989 Japan	Phone: +81-3-3591-9000 Fax: +81-3-3591-9000 Telex: 2225193 (JMSAHQJ) AFTN: RJTTYKYX	Regularly	Once in three months
Latvia [275]	Maritime Administration of Latvia Address: P.O. Box 10, Andrejsala 4, Riga Latvia LV-1045	Phone: +371-2-323103 Fax: +371-9-320100 +371-9-343772 Telex: 161396 MRCC LV E-mail:	Regularly	Regularly (Update is done by Telecommunicatio n Authorities)

Country [MID]	24 hour point of contact (Agency maintaining national database for MMSI-number)		Frequency of updating MMSI database		
			National database	ITU database*	
Liberia [636]	Liberian International Ship & Corporate Registry, LLC Address: 8619 Westwood Center Drive, Vienna, Virginia 22182 USA		Phone: +1-703-790-3434 (working hours) +1-703-508-3019 (after hours) Fax: +1-703-790-5655 Telex: UK 940498535 E-mail:	Continuously	Monthly
Lithuania [277]	MRCC Klaipėda Address: J. Janonio str. 24 92251 Klaipėda Lithuania		Phone: +370-46-499670 +370-46-499669 +370-616-36884 Fax: +370-46-499677 E-mail: mrcc@msa.lt	As often as the new data is received	N. I.
Malaysia [533]	Jabatan Telekomunikasi Malaysia Kementerian Tenaga, Telecom dan Multimedia Wisma Damansara, Jalan Semantan 50668 Kuala Lumpur Malaysia		Phone: +60-3-2575100 Fax: +60-3-2530508 Telex: GENTEL MA 28020 E-mail: 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 USA		Phone: +1-703-620-4880 (working hours) +1-703-620-4766 (after hours) Fax: +1-703-476-8522 E-mail: cgeiger@register-iri.com	Continuously	Monthly
Mauritius [645]	Mauritius Telecommunications Authority Address: Blendax House, 6th Floor, Dumas Street, Port Louis Mauritius		Phone: +230-212-9252 Fax: +230-211-2871	-	-

Country [MID]	24 hour point of contact (Agency maintaining national database for MMSI-number)		Frequency of updating MMSI database	
			National database	ITU database*
Mexico [N. I.]	N. I.	Phone: +525 5629-12 36 Fax: +525 5613-22 14 E-mail: cegg@telecomm.net.mx informat@telecomm.net.mx inge@telecomm.net.mx www.telecomm.net.mx/satelites/lista_embarcaciones	Monthly	Annually
Netherlands [244] [245] [246]	Netherlands Coastguard Centre/JRCC Den Helder MHKC Building Nieuwe Haven, Den Helder Address: P.O. Box 1000, 1780, CA Den Helder The Netherlands	Phone: +31-(0) 9000 111 (Alarm) +31-(0) 223 542 300 (24 hrs) Fax: +31-(0) 223 658 358 (24 hrs) Telex: +44 71088 (KUSTW-NL) +44 71088 KUSTW NL (24 hrs) E-mail: ccc@kustwacht.nl	Daily	Once a month
New Zealand [512]	Taupo Radio Address: Level Three, Avalon Tower Percy Cameron Street, Lower Hutt New Zealand	Phone: +644 914 8333 Fax: +644 914 8334 E-mail: maritime@bclnz.com	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) E-Mail: operations@jrcc-stavanger	Daily	Monthly
Portugal [204] [255] [263]	MRCC Lisboa Address: Reduto Gomes Freire Estrada da Medrosa 2780- 070 Oeiras Portugal	Phone: +351-21-440-1919 Fax: +351-21-440-1954 Telex: 404-21-60747	Daily	Quarterly
Republic of Korea [440] [441]	Korea Coast Guard Address: 3-8 Songdo-dong. Yeonsu-gu, Incheon City Republic of Korea Zip 406-741	Phone: +82-32-835-2195 Fax: +82-32-835-2995	Every 2 weeks	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*	
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 E-mail: mrcc@rna.ro	Every 3 months	N. I.
Russian Federation [273]	COSPAS MISSION – CONTROL CENTRE Address: ul. Rozhdestvenka, 1, build.1 109012 Moscow Russian Federation	Phone: +7-095-9261215 +7-095-4233200 Fax: +7-095-9269375 (auto) +7-095-9261460 (manual) Telex: 113934 MKVC RU E-mail: cmc@morflot.ru	Daily	N. I.
Singapore [563] [564]	Singapore Radio Address: Yokbrs, 380, YIO CHU KANG Road, A03-00 Singapore 805942 Singapore	Phone: +65-1800-4816231 Fax: +65-1800-4818050 Telex: 34842 E-mail: pocc@mpa.gov.sg	Monthly	As and when required
Spain [224]	MRCC Madrid	Phone: +34-91-7559132 +34-91-7559133 Fax: +34-91-5261440 Telex: 41210/41224 E-mail:	Daily	N. I.
Sweden [266]	MRCC Göteborg Address: Box 5158 SE-426-05 Västra Frölunda Sweden	Phone: +46-31-699 080 Fax: +46-31-648 010 Telex: +5420180 MRCC-Gbg S AFTN: ESORYCYX E-mail: mrccgbg@amrcc.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

Country [MID]	24 hour point of contact (Agency maintaining national database for MMSI-number)		Frequency of updating MMSI database		
			National database	ITU database*	
Turkey [271]	Undersecretariat for Maritime Affairs Address: Gazi Mustafa Kemal Bulvari No. 128/A Maltepe - Çankaya Ankara - Turkey		Phone: +90-312-231-9105 +90-312-232-4783/2624 Fax: +90-312-232-0823 Inmarsat-C: 427122324 M4GAN: 873764142267 E-mail: trmcc@denizcilik.gov.tr	Daily	Monthly
Ukraine [272]	MRCC Odesa Address: 65009, 9 th floor, 89, Frantsuzskiy Bulvar Odesa - Ukraine		Phone: +380-(48) 7776009 Fax: +380 (48) 7776010 Telex: 680 232 139 ODRCC UX E-mail: MRCC@morcom.org.ua	Daily	Monthly
United Kingdom [232] [233]	MRCC Falmouth Address: HM Coastguard, Pendennis Point Falmouth, TR11 4WZ United Kingdom		Phone: +44-1326-317575 Fax: +44-1326-318342 Telex: 45560 (FALMCG G) E-mail:	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 Hong Kong, China [477]	Maritime Rescue Co-ordination Centre, Hong Kong Address: G.P.O. 4155, Hong Kong China		Phone: +852-22337999 Fax: +852-25417714 Telex: 82952 (MRCC HX) AFTN: VHHHYKYX E-mail: 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 e-mail: S=helpdesk; A=arcom; P=itu; C=ch
Fax: +41-22-730-5337 Internet e-mail: helpdesk@itu.ch

ANNEX 13

MSC/Circ.684

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

- 1 The Maritime Safety Committee, at its sixty-fifth session (9 to 17 May 1995), approved circulation of the revised questionnaire on shore-based facilities in the GMDSS, attached hereto. The revised questionnaire includes the requests for information on EPIRB Registration Data and International Points of Contact for national Maritime Mobile Service Identities (MMSI), which were circulated to Governments by COM/Circ.126 and MSC/Circ.641, respectively.
- 2 Governments, including those which have submitted answers to the above-mentioned circulars, are invited to provide or update the information as appropriate.
- 3 Administrations should submit information obtained, as appropriate, from national authorities responsible for shore-based facilities for the GMDSS, NAV/MET Area Co-ordinators and search and rescue authorities.
- 4 This questionnaire revokes and replaces MSC/Circ.468/Rev.2, COM/Circ.126 and MSC/Circ.641.

ANNEX 1

Zones Maritimes A1 in range of shore-based VHF DSC coverage)

- 1 Does your Administration intend to establish Sea Area A1? 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 fulltime DSC watch on channel 70? YES NO
If not, indicate watch hours in the following table.

3 Indicate details of VHF stations

NAV/ MET Area	Type (Main or Monitor?) (1)	Name and position [Latitude, Longitude] of stations	MMSI	Range ⁽²⁾ (NM)	Date of Operation	Purpose (PC or SD or PS?) ⁽³⁾	Watch hours (24 hours on CH70?)	RCC Associated

(1) Monitored stations mean the stations remotely controlled by the main stations.

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

(3) PC = "Public Correspondence" only, 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 1

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

Criteria for establishing GMDSS sea areas

2.3 Determination of radius A

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

2.3.1 The following formula should be used to calculate the 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:

<i>h</i> \ <i>H</i>	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 2

Sea Area A2 (Within range of shore-based MF DSC coverage)

1 Does your Administration intend to establish Sea Area A2? 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 fulltime DSC watch on 2187.5 kHz? YES NO
 If not, indicate watch hours in the following table.

3 Indicate details of MF stations

NAV/ MET Area	Type (Main or Monitor?) (1)	Name and position [Latitude, Longitude] of stations	MMSI	Range ⁽²⁾ (NM)	Date of Operation	Purpose (PC or SD or PS?) ⁽³⁾	Watch hours (24 hours on 2187.5kHz?)	RCC Associated

(1) Monitored station means the station remotely controlled by the main station.

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

(3) PC = "Public Correspondence" only, 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 2

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

Criteria for establishing GMDSS sea areas

3.3 Determination of radius B

The radius B may be determined for each coast station by reference to Recommendation ITU-R PN.368-7 and CCIR Report 322 for the performance of a single sideband(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 3

Sea Areas A3 and A4 (Outside of 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 fulltime DSC watch on the bands? YES NO
 4MHz (4207.5 kHz)?
 6MHz (6312 kHz)?
 8MHz (8414.5 kHz)?
 12MHz (12577 kHz)?
 16MHz (16804.5 kHz)?

If not, indicate watch hours in the following table.

3 Indicate details of HF stations

NAV/ MET Area	Name and position [Latitude, Longitude] of stations	MMSI	Date of operation	Purpose (PC or SD or PS?)*	Operational frequency band					Watch hours (24 hours?)	RCC Associated
					4	6	8	12	16		

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

ANNEX 4

INMARSAT facilities

- 1 Does your Administration operate an INMARSAT Coast Earth Station (CES)? 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 CES

Name of CES	Position	Ocean Area*	Service provided (Date of operation)			RCC Associated
			INMARSAT-A	INMARSAT-B	INMARSAT-C	

* AOR-E (Atlantic Ocean Region - East), AOR-W (Atlantic Ocean Region - West), IOR (Indian Ocean Region) or POR (Pacific Ocean Region)

ANNEX 5

Rescue Co-ordination 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

Name of RCC	Position	Date of operation	SES details		
			INMARSAT I.D.	Type of SES ⁽¹⁾	Ocean Regions accessed ⁽²⁾

⁽¹⁾ INMARSAT-A, INMARSAT-B, or INMARSAT-C

⁽²⁾ AOR-E, AOR-W, IOR or POR

ANNEX 6

NAVTEX Service on 518 kHz

- 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	Name of NAVTEX station	Position	Range* (NM)	Transmitter identification character (B1)	Transmission times(UTC)	Language	Date of operation

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

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	Name of NAVTEX station	Position	Transmitter identification character (B1)	Transmission times(UTC)	Language	Date of operation

APPENDIX

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 Recommendation ITU-R PN.368-7 and CCIR Report 322 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 band with - 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 7

International SafetyNET Service

- 1 Does your Administration intend to 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 Indicate detail of International SafetyNET Service

NAV/MET Area	Type of MSI	Coast Earth Station		Ocean Area ⁽¹⁾	Area covered ⁽²⁾	Broadcast schedule(UTC)	Date of operation
		Name	Country				
	NAV						
	MET						
	SAR						
	Coastal Warning				(3)		

(1) AOR-E, AOR-W, IOR, or POR

(2) Service area covered in NAV/MET information

(3) Provide a map indicating Area covered and B1 characters

ANNEX 8

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

Name of station	Position	Frequency Band	Schedule	Date of operation
		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 9

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

MCC			LUT			RCC Associated
Location	Designator	Date of operation	Location	LEO or GEO?	Date of operation	

ANNEX 10

EPIRB Registration Data

EPIRB Type permitted

406 MHz EPIRB: YES NO L-Band EPIRB: YES NO

406 MHz EPIRB

1 MID-Numbers (country codes) assigned to 406 MHz EPIRBs?:

2 406 MHz coding schemes currently used by the country: Serial protocol: YES NO
 MMSI:
 Radio call sign:

3 Database for 406 MHz EPIRBs:

- Address:

 Open 24 hours a day, all days of the year? YES NO

 If not, specify the opening hours (UTC), days etc:

- Telephone No. for database information:
- Telefax No. for database information:
- Telex No. for database information:
- AFTN No. for database information:
- Electronic Mail ID for database information:

4 How often does your Administration update the database?

ANNEX 11

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? YES NO

 If not, fill in the following information:

- Address:

 YES NO

 If no, specify the opening hours (UTC), days etc:

- Telephone No. for database information:
- Telefax No. for database information:
- Telex No. for database information:
- AFTN No. for database information:
- Electronic Mail ID for database information:

3 How often does your Administration update the national database?

4 How often does your Administration update the ITU database?
