WEATHER REPORTING
MESSAGES MÉTÉOROLOGIQUES
МЕТЕОРОЛОГИЧЕСКИЕ СООБЩЕНИЯ
INFORMES METEOROLOGICOS

VOLUME/TOM/VOLUMEN D

INFORMATION FOR SHIPPING
RENSEIGNEMENTS POUR LA NAVIGATION MARITIME
CATALOGUE DES BULLETINS MÉTÉOROLOGIQUES
МЕТЕОРОЛОГИЧЕСКИЕ СООБЩЕНИЯ ИНФОРМАЦИЯ ДЛЯ СУДОХОДСТВА
INFORMACIÓN PARA LA NAVEGACIÓN MARÍTIMA

2012

World Meteorological Organization
Organisation météorologique mondiale
Всемирная Метеорологическая Организация
Organización Meteorológica Mundial

WMO/OMM/BMO No. 9

Weather • Climate • Water

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General Information

This Volume includes marine meteorological and other related geophysical information necessary for safe and economic conduct of shipping operations, as well as for fishing and other marine activities.

CHAPTER 1 – The Global Maritime Distress and Safety System (GMDSS) Services

CHAPTER 2 *– SATELLITE – INMARSAT C*

CHAPTER 3 - Meteorological Broadcasts by Radio-Facsimile

CHAPTER 4 – Meteorological Broadcasts by Radiotelegraphy and Radiotelephony

CHAPTER 5 - Visual Storm Warning Signals

CHAPTER 6 – Focal Point Contact Information

CHAPTER 1 – The Global Maritime Distress and Safety System (GMDSS) SERVICES

To ensure complete area coverage and adequacy of services, the Oceans and Seas have been divided into METAREAS. This Chapter provides charts indicating the limits of METAREAS together with the area co-ordinates followed by the transmission schedule for the full GMDSS service.

The GMDSS of the International Maritime Organization (IMO) entered into force on 1 February 1992. The high seas marine broadcast system for the GMDSS, which operates through the International SafetyNET Service of INMARSAT, was also implemented from this date.

The GMDSS provides for urgency and safety communications and the promulgation of maritime safety information (navigational and meteorological warnings and forecasts and other urgent safety information).

For some ocean areas, the full GMDSS service is not yet implemented because of technical reasons related to access to the appropriate CES. For these areas, an interim urgent meteorological warning information service has been put in place.

For the purpose of the preparation and issue of meteorological warnings and the regular preparation and issue of weather and sea bulletins, the oceans and seas are divided into areas for which National Meteorological Services assume responsibility. The areas of responsibility together provide complete coverage of oceans and seas by meteorological information contained in warnings and weather and sea bulletins for the high seas. The areas of responsibility as defined in the world map represents a minimum requirement for issuing and preparation services.

Preparation Service: Is a National Meteorological Service which has accepted responsibility for the preparation of forecasts and warnings for parts of, or an entire, designated area (METAREA) in the WMO system for the dissemination of meteorological forecasts and warnings to shipping under the GMDSS and for their transfer to the relevant issuing service for broadcast.

Issuing Service: A National Meteorological Service accepts responsibility for and ensures that meteorological forecasts and warnings for shipping are disseminated through the INMARSAT SafetyNET service to the designated area for which the Service has accepted responsibility under the broadcast requirements of the GMDSS. The forecasts and warnings for broadcast may be prepared solely by the issuing service, or by another preparation service, or a combination of both, on the basis of negotiations between the services concerned. The issuing service is responsible for composing a complete broadcast bulletin on the basis of information input from the relevant preparation services, and for inserting the appropriate EGC header. The issuing service is also responsible for monitoring the broadcasts of information to its designated area of responsibility.

Issuing and preparation services may extend beyond the area of coverage of responsibility if they wish to meet national requirements. In which case, the area of coverage should be specified with the broadcast times.

CHAPTER 2 – SATELLITE – INMARSAT C

Satellite systems operated by the INMARSAT, are important elements of the GMDSS. The Inmarsat C provides ship/shore, shore/ship and ship/ship store-and-forward data and email messaging, the capability for sending preformatted distress messages to a rescue coordination center, and the Inmarsat C SafetyNET service. The Inmarsat C SafetyNET service is a satellite-based worldwide maritime safety information broadcast service of high seas weather warnings, NAVAREA navigational warnings, radionavigation warnings, ice reports and warnings generated by the USCG-conducted International Ice Patrol, and other similar information not provided by NAVTEX. SafetyNET works similarly to NAVTEX in areas outside NAVTEX coverage.

The International SafetyNET Service, the Information Provider forward the MSI for a given area to an Inmarsat Land Earth Station (LESs), for broadcasting via the satellite network over an entire Inmarsat ocean region; consequently vessels can receive SafetyNET MSI anywhere in that Ocean region, irrespective of their distance from the LES / Information Provider.

CHAPTER 3 - METEOROLOGICAL BROADCASTS BY RADIO-FACSIMILE

This part contains the facsimile broadcast transmissions of meteorological charts of interest to shipping and fisheries provided by some Members.

CHAPTER 4 – METEOROLOGICAL BROADCASTS BY RADIOTELEGRAPHY AND RADIOTELEPHONY

This part contains the broadcast schedules of weather and sea bulletins issued throughout the world by radiotelephony and radiotelegraphy, for shipping and other marine use. This Chapter provides information on maritime stations: eg NAVTEX stations, Marine Rescue Co-ordination Centres, Other maritime stations and Commercial Stations.

CHAPTER 5 - VISUAL STORM WARNING SIGNALS

This part contains information on the systems of visual storm warning signals adopted by the various maritime countries.

Visual storm warning signals are hoisted, when applicable, at ports for the benefit of shipping and other marine operations.

CHAPTER 6 – FOCAL POINT CONTACT INFORMATION

This Chapter provides contact information for :

- National contact points for WMO GMDSS marine broadcast system
- Ship weather routeing services
- Port Meteorological Offices: While in port, the user may obtain advice or assistance in meteorological matters by personal contact with the Port Meteorological Officer (PMO) or the meteorological office established for the purpose either at the port itself or at a location outside the port.

Notification of Changes

In seeking to maintain a high standard of accuracy in the material published in *Volume D*, the WMO Secretariat depends entirely on the goodwill of the meteorological services throughout the world. Their co-operation in keeping the Secretariat fully informed of all changes is a decisive factor in attaining this aim.

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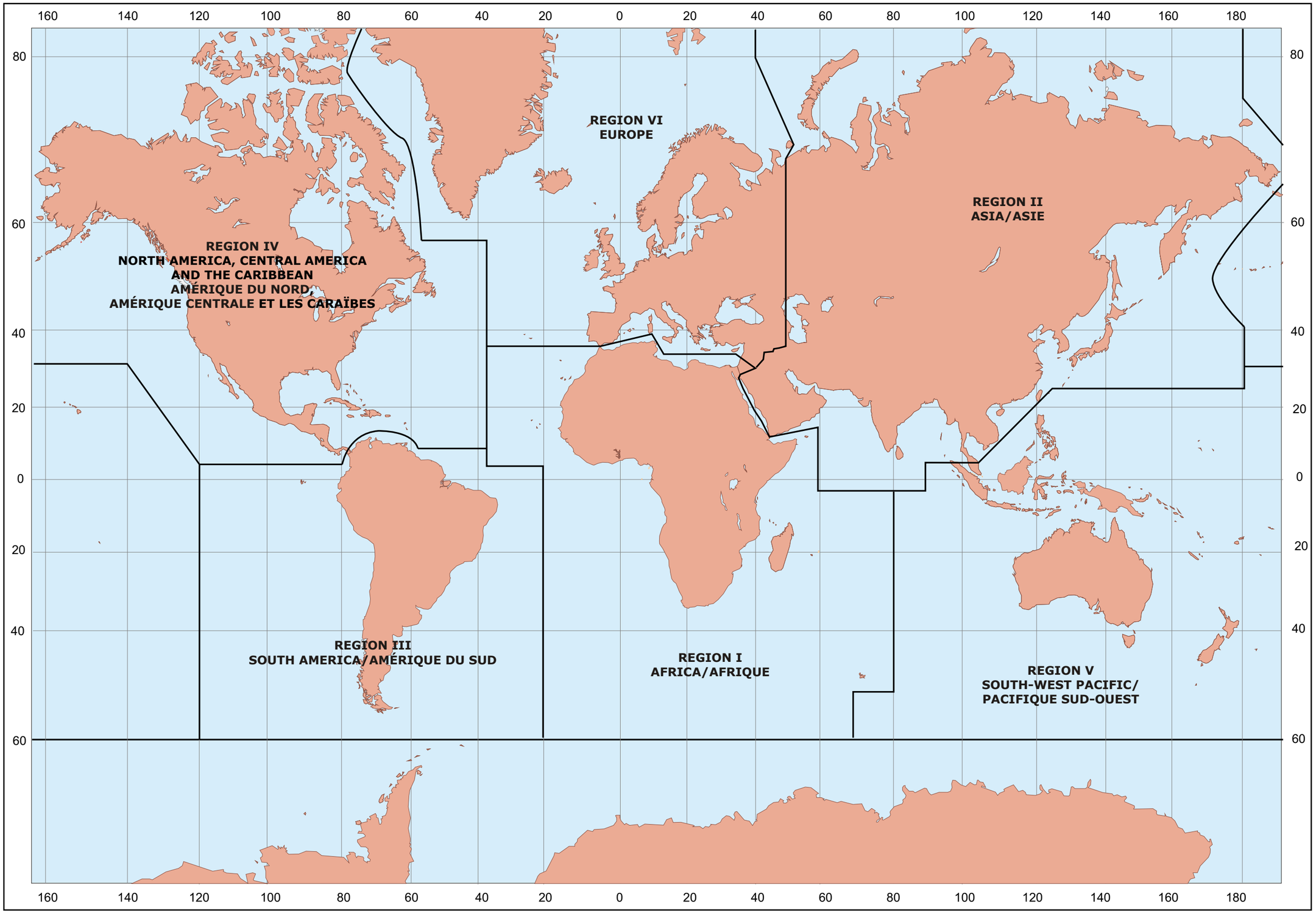
WORLD METEOROLOGICAL ORGANIZATION REGIONS

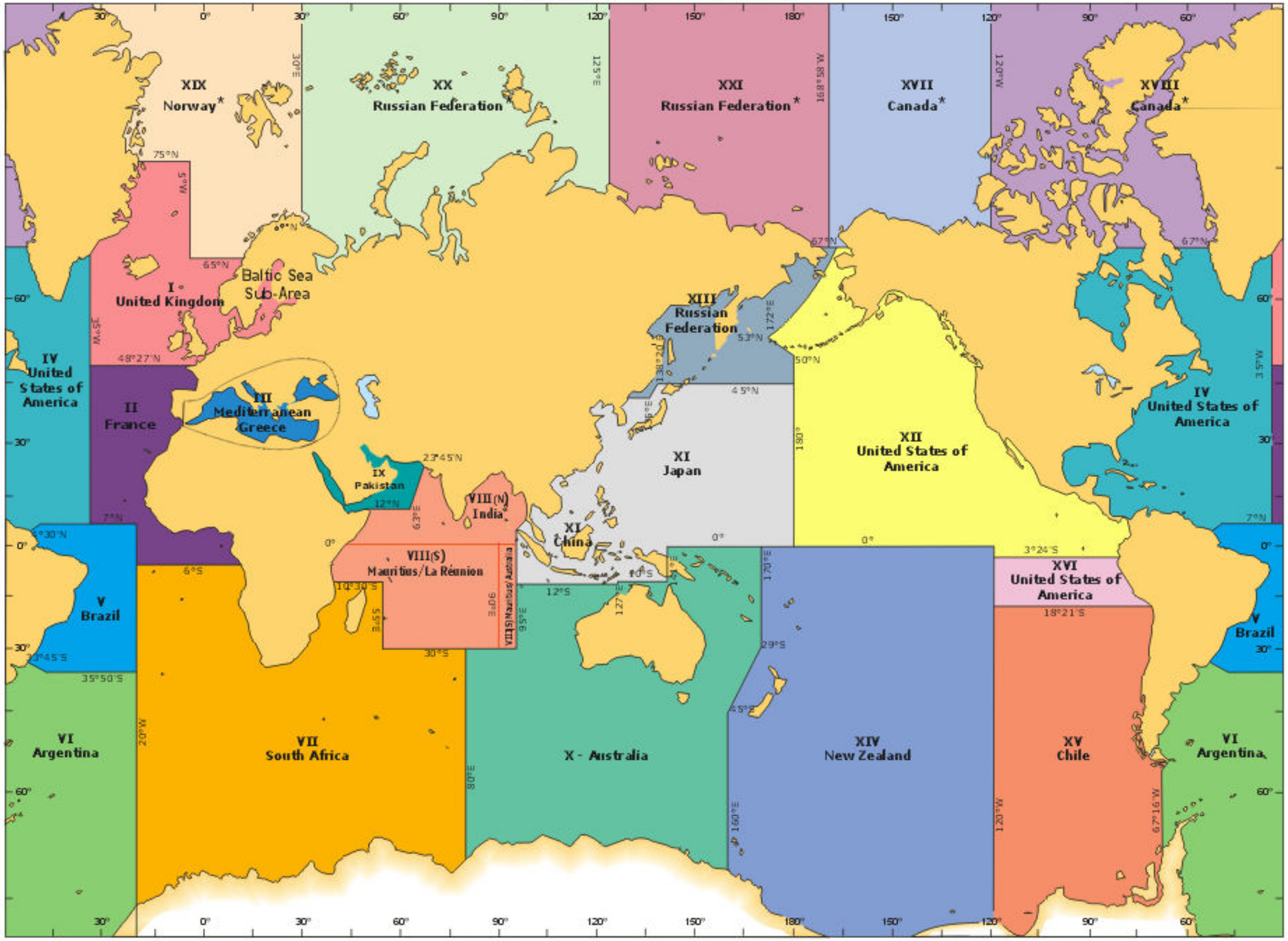


CHAPTER 1

GMDSS
GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM

SMDSM
LE SYSTÈME MONDIAL DE DÉTRESSE ET DE SÉCURITÉ EN MER

LIMITS OF METAREAS



Co-ordinates for GMDSS METAREAS

METAREA	Coordinates
I	The North Atlantic Ocean east of 35°W, from 48°27'N to 75°N including the North Sea and Baltic Sea sub-area.
II	Atlantic waters east of 35°W, from 7°N to 48°27'N, and east of 20°W from 7°N to 6°S, including the Straits of Gibraltar.
III	The Mediterranean and Black Seas, east of the Straits of Gibraltar.
IV	The western part of the North Atlantic Ocean eastwards of the North American coast to 35°W, from 7°N to 67°N, including the Gulf of Mexico and Caribbean Sea.
V	Atlantic waters west of 20°W from 35°50'S to 7°N, narrowing in the coastal strips at the extremities to the Uruguay/Brazil frontier in 33°45'S and the French Guyane/Brazil frontier in 4°30'N.
VI	The South Atlantic and Southern Oceans south of 35°50'S, from 20°W to the longitude of Cape Horn, 67°16'W.
VII	The South Atlantic and Southern Oceans south of 6°S from 20°W to the coast of Africa, thence south to the Cape of Good Hope; the South Indian and Southern Oceans south of 10°30'S from the Cape to 55°E, thence south of 30°S to 80°E.
VIII(N)	The area of the Indian Ocean enclosed by lines from the Indo-Pakistan frontier in 23°45'N 68°E to 12°N 63°E, thence to Cape Gardafui; the East African coast south to the Equator, thence to 95°E, to 6°N, thence NE'wards to the Myanmar/Thailand frontier in 10°N 98°30'E.
VIII(S)	The East African coast from the equator south to 10°30S, thence to 55°E, to 30°S, to 95°E, to the Equator, to the east African coast.
IX	The Red Sea, Gulf of Aden, Arabian Sea and Persian Gulf, north of Area VIII.
X	The South Indian and Southern Oceans east of 80°E and south of 30°S to 95°E, to 12°S, to 127°E; thence the Timor Sea, South Pacific and Southern Oceans south of 10°S to 141°E to the equator, to 170°E, to 29°S, thence SW'wards to 45°S in 160°E, then the 160°E meridian.
XI	The Indian Ocean, China Sea and North Pacific Ocean northward of Area X and on the equator to longitude 180°, eastward of Area VIII and the Asian continent to the North Korea/Russian Federation frontier in 42°30'N 130°E, thence to 135°E, NE'wards to 45°N 138°E, to 45°N 180°.
XII	The eastern part of the Pacific Ocean, west of the North and South American coast and east of 120°W, from 3°24'S to the equator, thence to 180°, to 50°N thence NW'wards to 53°N 172°E, NE'wards following the marine frontier between USA and Russian Federation waters to 67°N.
XIII	Sea areas enclosed north of area XI and west of Area XII; also all Arctic waters from 170°W westwards to 20°E.

XIV The South Pacific and Southern Oceans south of the equator, bounded by Area X to the west, the equator to the north and 120°W to the east.

XV The South Pacific and Southern Oceans south of 18°21'S following the coast of Chile to the longitude of Cape Horn in 67°16'W, and 120°W.

XVI The South Pacific Ocean between 18°21'S and 3°24'S bounded by the coast of Peru and 120°W.

XVII The Arctic Ocean
Bound by: 67°00'N 168°58'W, 90°00’N 168°58’W, 90°00’N 120°00’W, to south to the Canadian coastline along the 120°00'W meridian. The Arctic Ocean from south-west corner 67°00'N, 44°00'E to north-east corner 80°00'N, 165°00’W.

XVIII The Arctic Ocean
Bound by: A position on the Canadian coastline at the 120°W meridian to 90°N 120°W, 90°N 035°W, 67°N 035°W.

XIX The Arctic Ocean
From a position on the Norwegian coastline at 65°N to 65°N 005°W, 75°N 005°W, West to a position on the Greenland coastline.
From the border between Norway and Russia (Inland) to: 69°47’68"N 030°49’16"E, 69°58’48"N 031°06’24"E, 70°22’00"N 031°43’00"E, 71°00'00"N 030°00'00"E.
From this geographical position (71°00’00"N - 030°00’00"E) further north along the 030°00’00E meridian to: 90°00’00"N 030°00’00"E, 90°00’00"N 035°00’00"W, South to the Greenland coastline along the 035°00’00W meridian

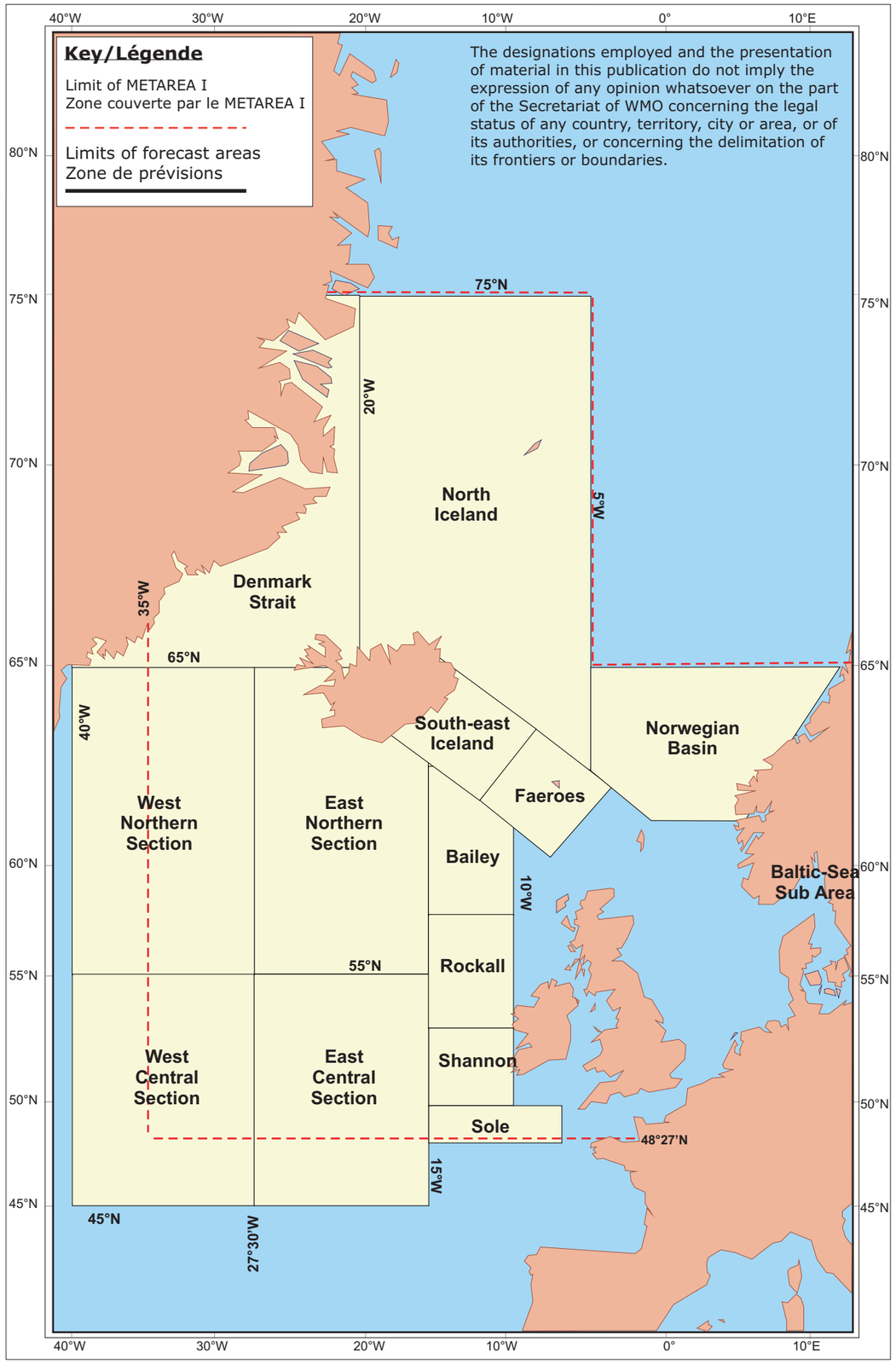
XX The Arctic Ocean:
From the border between Norway and Russia (Inland) to: 69°47’68"N 030°49’16"E, 69°58’48"N 031°06’24"E, 70°22’00"N 031°43’00"E, 71°00’00"N 030°00’00"E.
From this geographical position (71°00’00"N - 030°00’00"E) further north along the 030°00’00"E meridian to: 90°00’00"N 030°00’00"E, 90°00’00"N 125°00’00"E, then south to the Russian Federation coastline along the 125°00’00"E meridian.

XXI The Arctic Ocean
From a geographical position on the Russian Federation coastline at the 125°00’00"E meridian to: 90°00’00"N 125°00’00"E, 90°00’00"N 168°58’00"W, 67°00’00"N 168°58’00"W, West to a geographical position on the Russian Federation coastline along the 67°00’00"N parallel

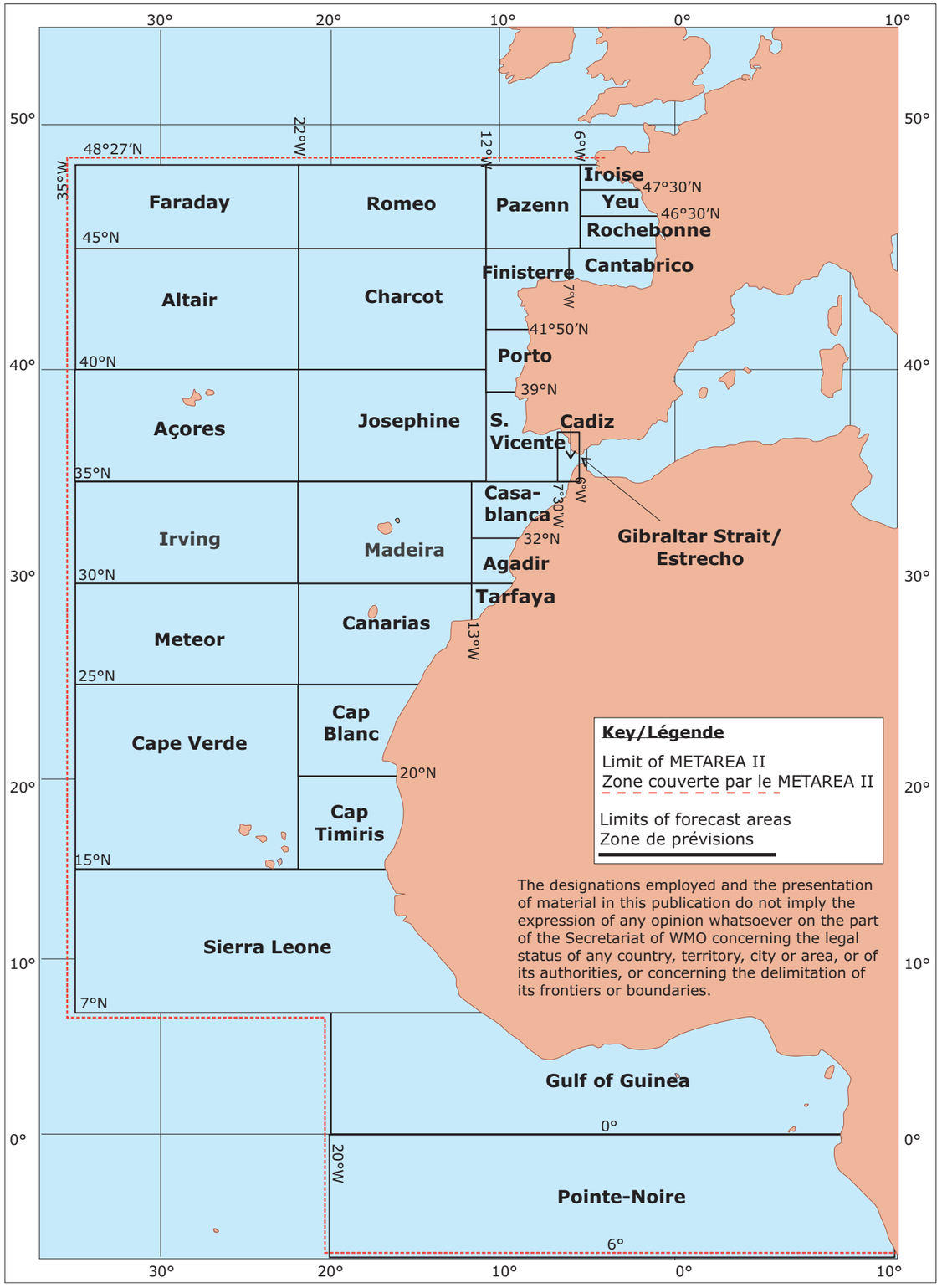
Chapter 1 - GMDSS SERVICES

METAREA I
United Kingdom of Great Britain and Northern Ireland
Royaume Uni de Grande-Bretagne et d'Irlande du Nord

Forecast Areas - Zones de prévisions
High Seas
6 December 2011



METAREA II
France
Forecast Areas - Zones de prévisions
10 November 2010

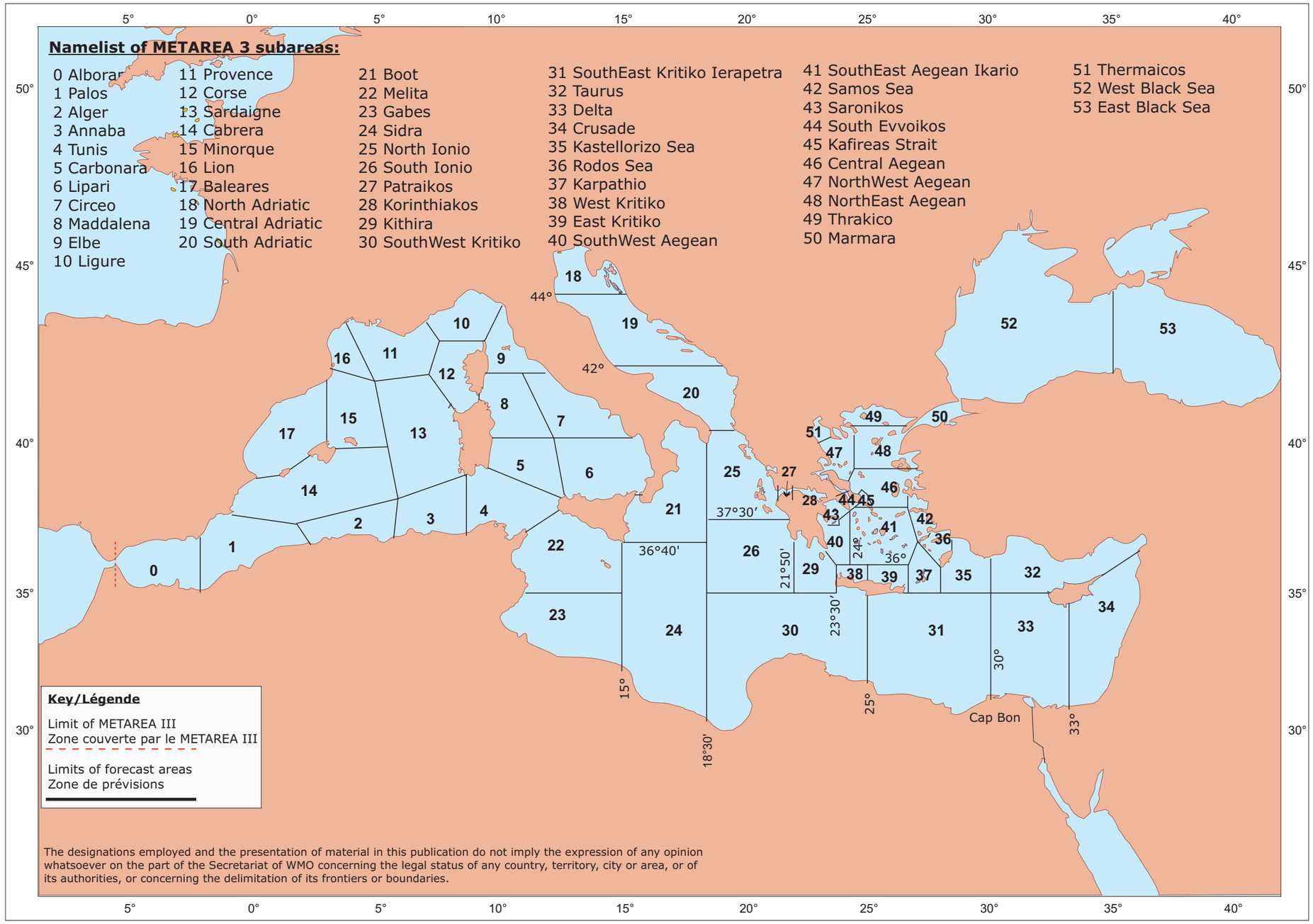


METAREA III

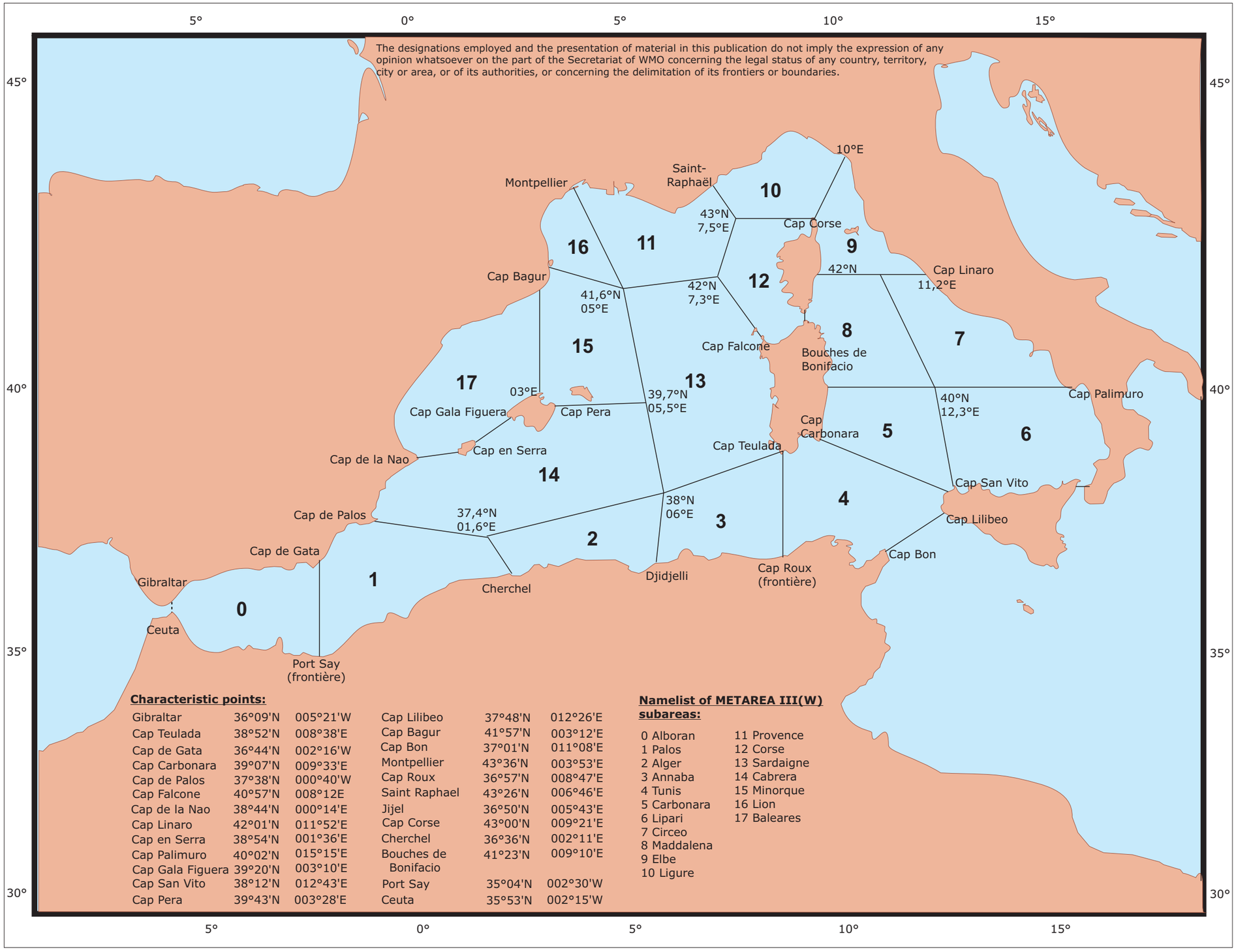
France/Greece - France/Grèce

Forecast Areas - Zones de prévisions

5 May 2009



METAREA III(W) subareas:
France/Greece - France/Grèce
Forecast Areas - Zones de prévisions
10 November 2010



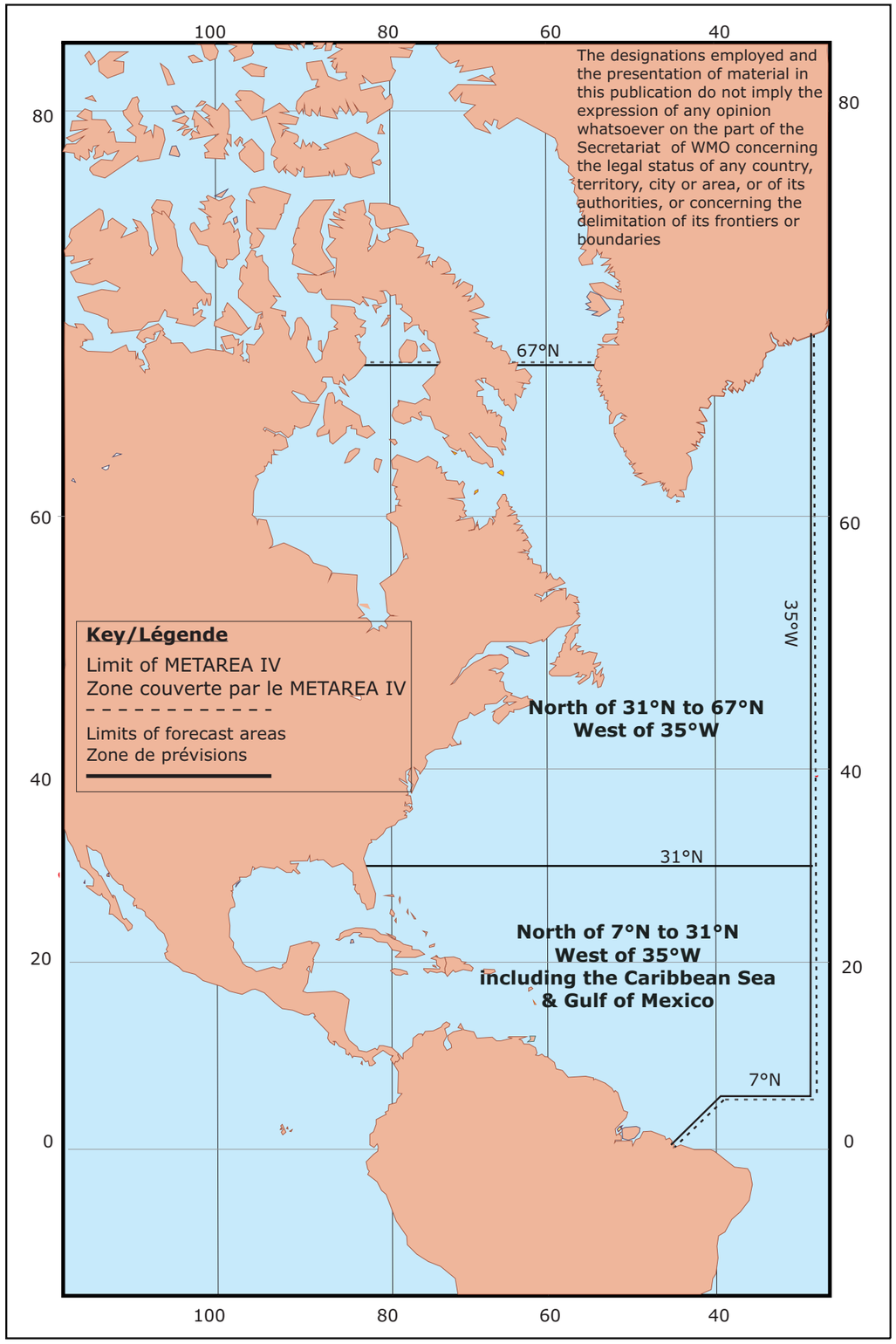
Characteristic points:

Gibraltar	36°09'N	005°21'W	Cap Lilibeo	37°48'N	012°26'E
Cap Teulada	38°52'N	008°38'E	Cap Bagur	41°57'N	003°12'E
Cap de Gata	36°44'N	002°16'W	Cap Bon	37°01'N	011°08'E
Cap Carbonara	39°07'N	009°33'E	Montpellier	43°36'N	003°53'E
Cap de Palos	37°38'N	000°40'W	Cap Roux	36°57'N	008°47'E
Cap Falcone	40°57'N	008°12E	Saint Raphael	43°26'N	006°46'E
Cap de la Nao	38°44'N	000°14'E	Jijel	36°50'N	005°43'E
Cap Linaro	42°01'N	011°52'E	Cap Corse	43°00'N	009°21'E
Cap en Serra	38°54'N	001°36'E	Cherchel	36°36'N	002°11'E
Cap Palimuro	40°02'N	015°15'E	Bouches de Bonifacio	41°23'N	009°10'E
Cap Gala Figuera	39°20'N	003°10'E			
Cap San Vito	38°12'N	012°43'E	Port Say	35°04'N	002°30'W
Cap Pera	39°43'N	003°28'E	Ceuta	35°53'N	002°15'W

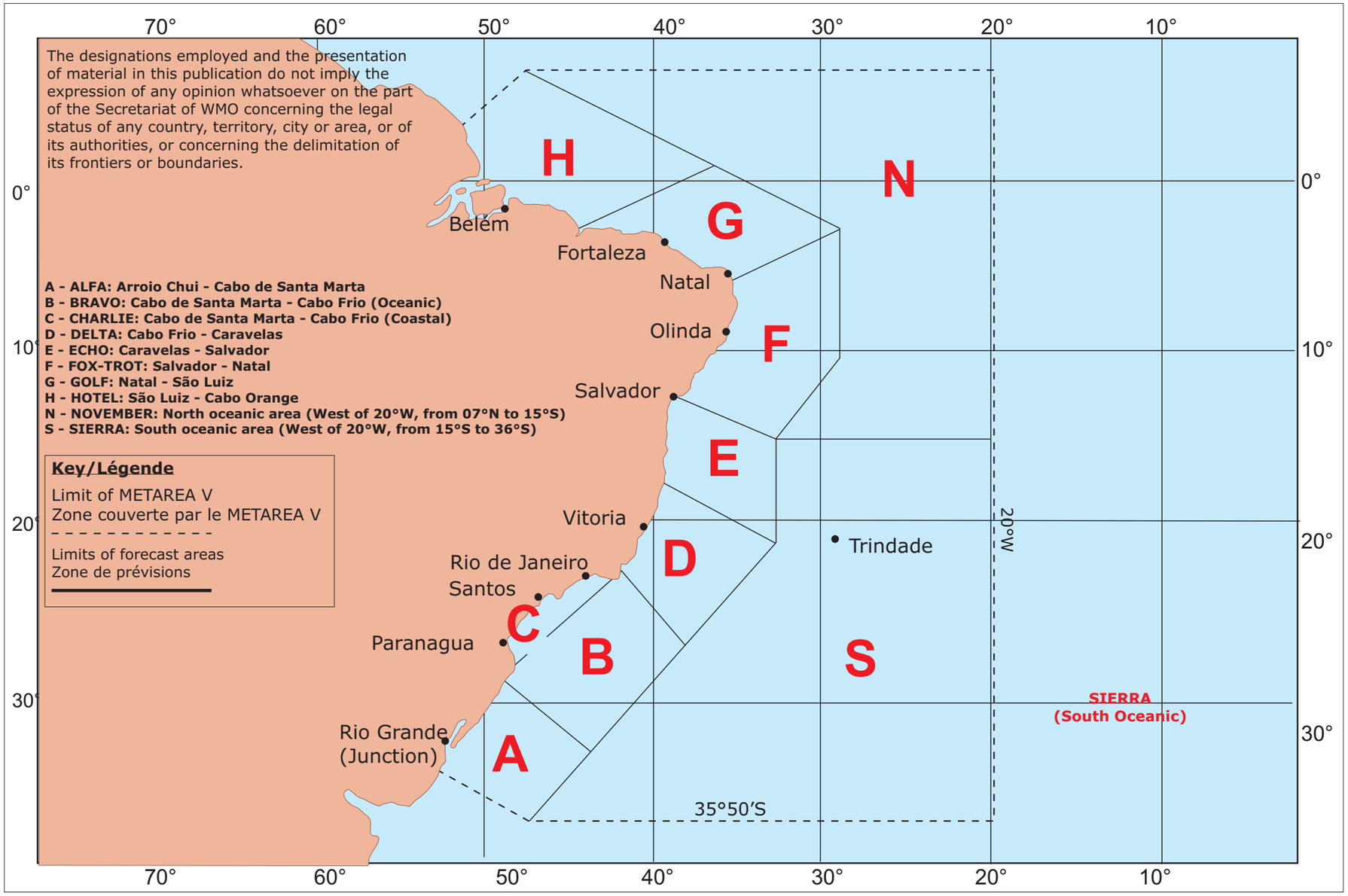
Namelist of METAREA III(W) subareas:

0 Alboran
1 Palos
2 Alger
3 Annaba
4 Tunis
5 Carbonara
6 Lipari
7 Circeo
8 Maddalena
9 Elbe
10 Ligure
11 Provence
12 Corse
13 Sardaigne
14 Cabrera
15 Minorque
16 Lion
17 Baleares

METAREA IV
NW ATLANTIC
Forecast Areas - Zones de prévisions



METAREA V
Brazil
Forecast Areas - Zones de prévisions



Chapter 1 - GMDSS SERVICES

METAREA VI
Argentina - Argentine
Forecast Areas - Zones de prévisions

(1) Sub-areas used in the CMRE Buenos Aires forecasts:
<u>Boundaries of coastal forecasts areas I, II and III</u>
Area I:
Covers the Río de la Plata, from the mouths of the Paraná and Uruguay rivers up to an imaginary line joining PUNTA DEL ESTE (Uruguay - 34º 58'062 S, 54º 57'032W) and PUNTA RASA DEL CABO SAN ANTONIO (Argentina - 36º17'23"S, 56º47'03"W), and the area of the Atlantic Ocean between the two geographical points and 300 nautical miles out to sea.

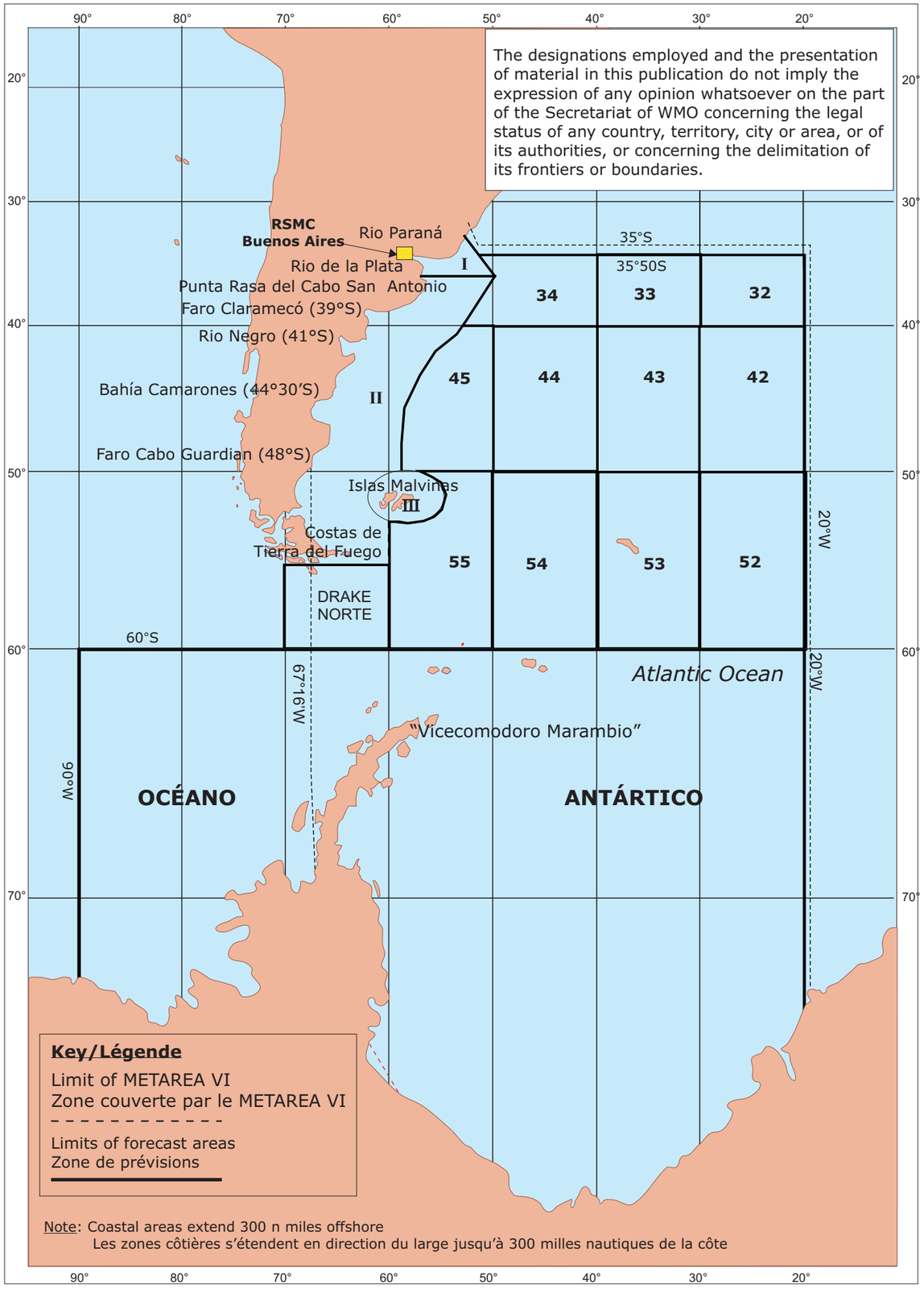
Area II:
The Atlantic Ocean between 36º17'23"S and 55º00'00"S. Coastal area extends 300 nautical miles offshore.
This extensive area is subdivided into variable, smaller coastal areas in accordance to the meteorological situation at the moment of the issuing of the Bulletin. The northern and southern boundaries of each subdivision is expressed in degrees latitude.

Area III:
Islas Malvinas coasts

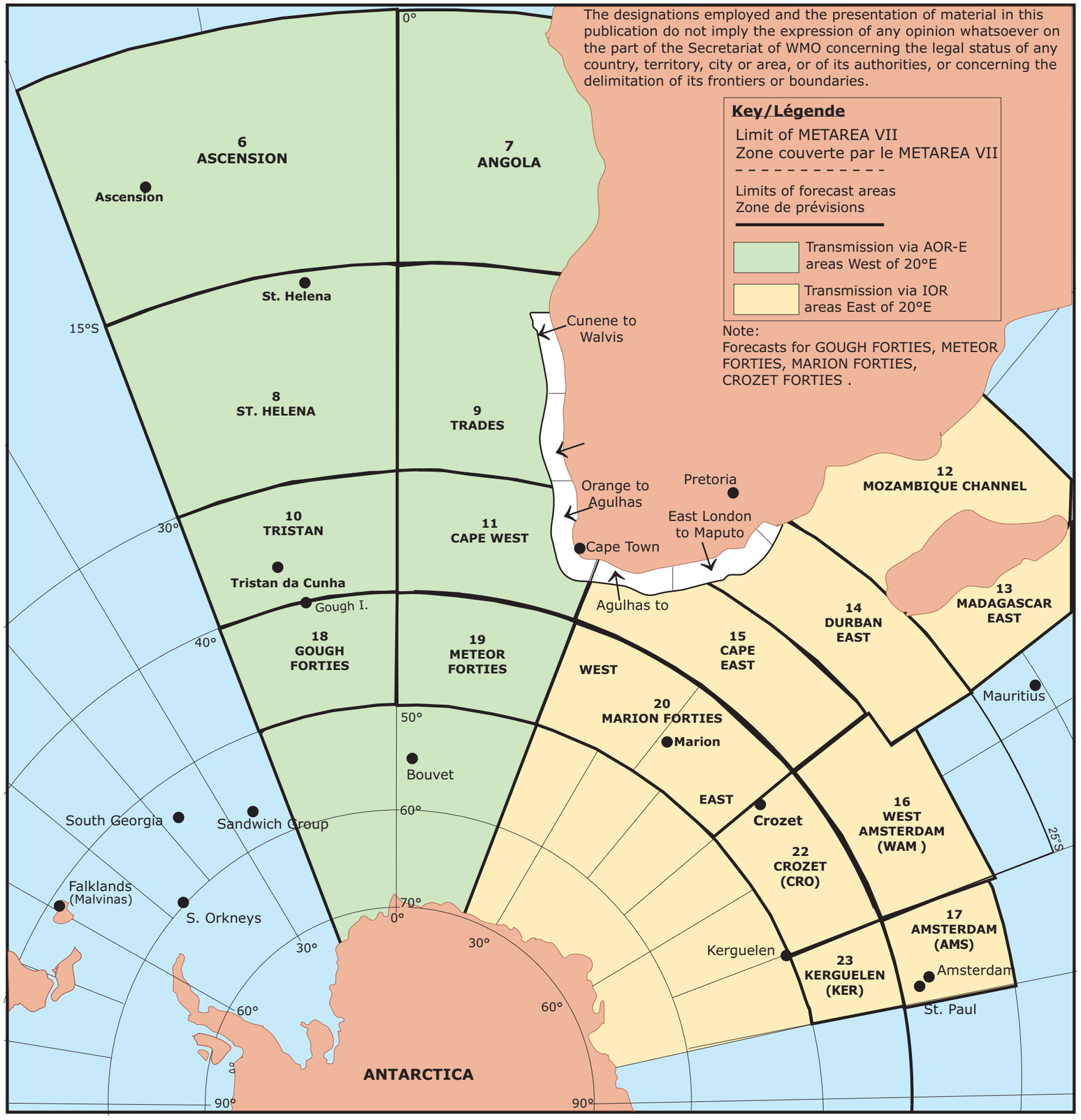
(2) Sub-areas used in the CMAVM forecasts:

(a) COASTAL AREAS:
Mar de la Flota coastal area
Gerlache Strait
Margarita Bay area
Erebus and Terror Gulf area

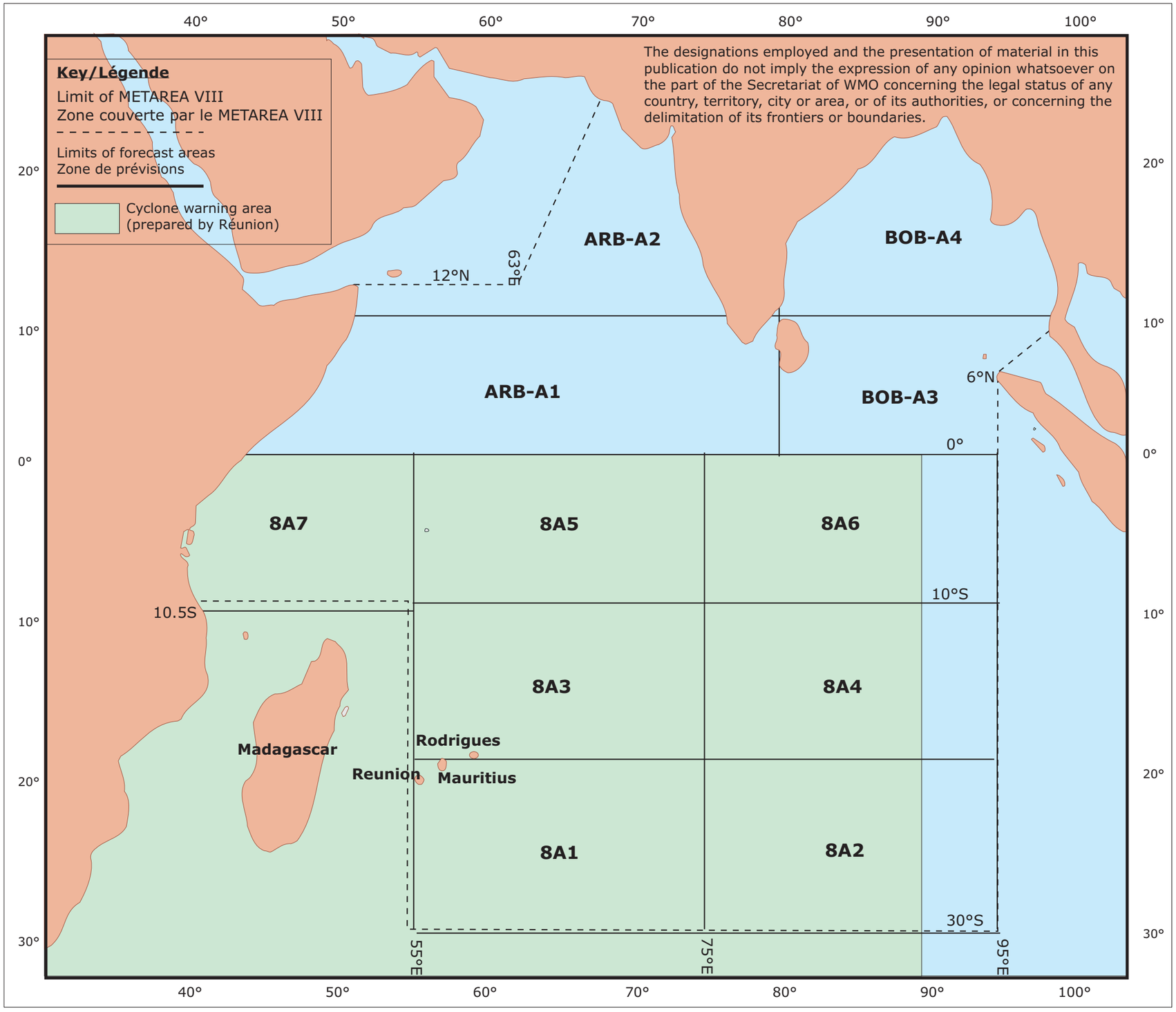
(b) OCEANIC AREAS:
Drake South (south of 60º S)
Northern Bellingshausen Sea
Southern Bellingshausen Sea
Northern Weddell Sea
Southern Weddell



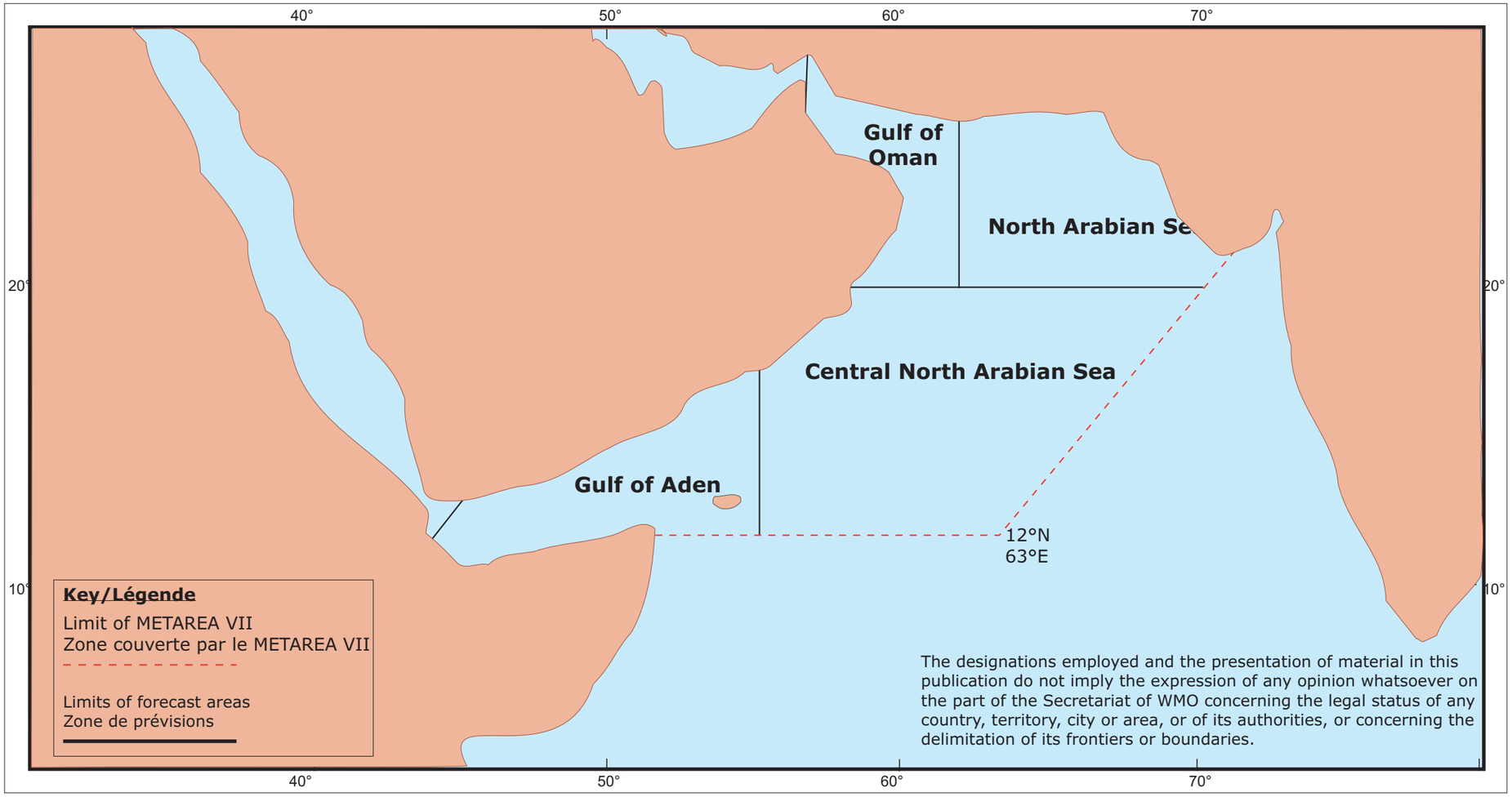
METAREA VII
South Africa and Namibia
Afrique du Sud et Namibie
Forecast Areas - Zones de prévisions



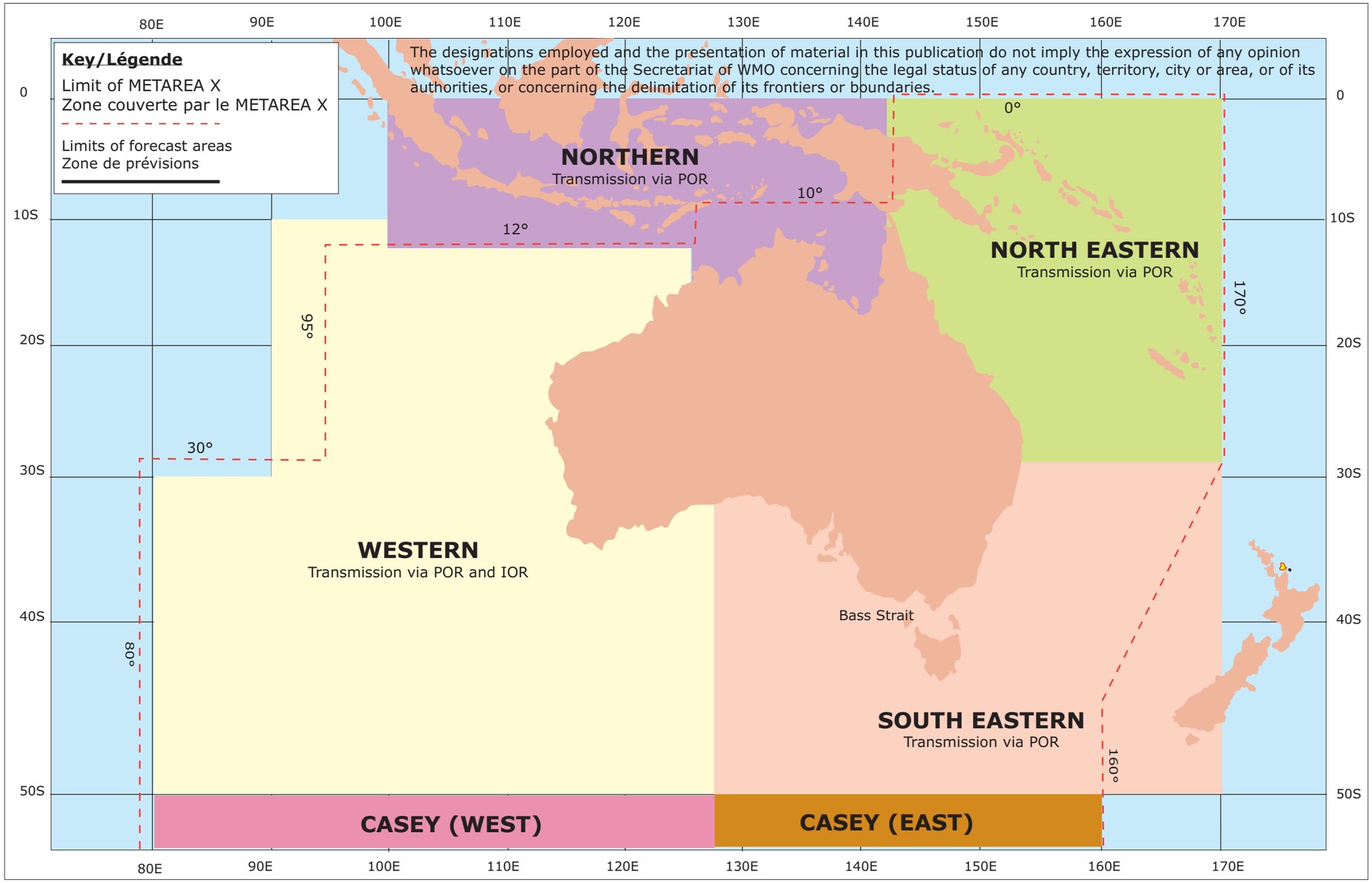
METAREA VIII
VIII(N) - India - Inde
VIII(S) - Mauritius - Maurice
Forecast Areas - Zones de prévisions
10 January 2011



METAREA IX
Pakistan
Forecast Areas - Zones de prévisions

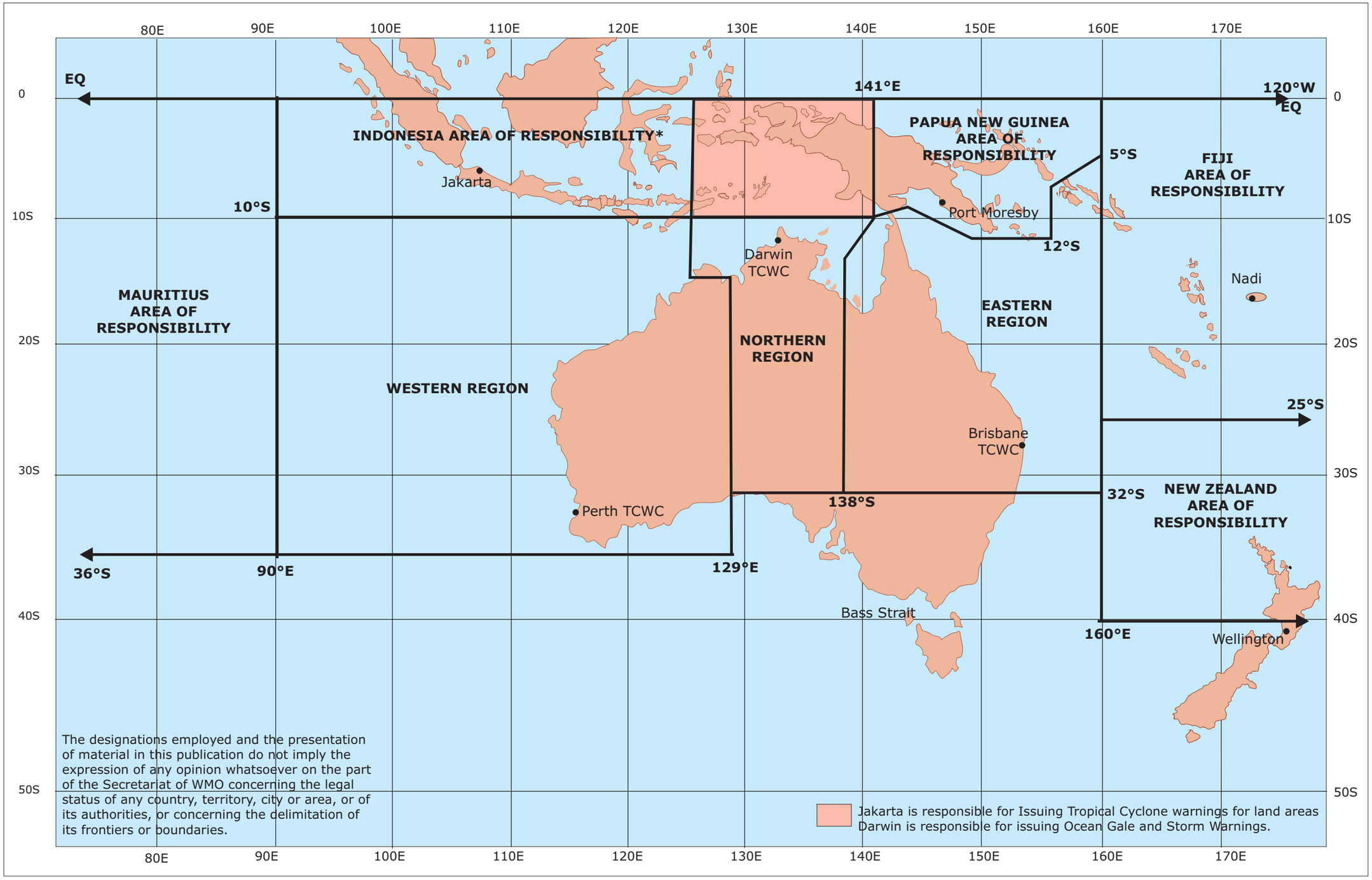


METAREA X
Australia - Australie
Forecast Areas - Zones de prévisions



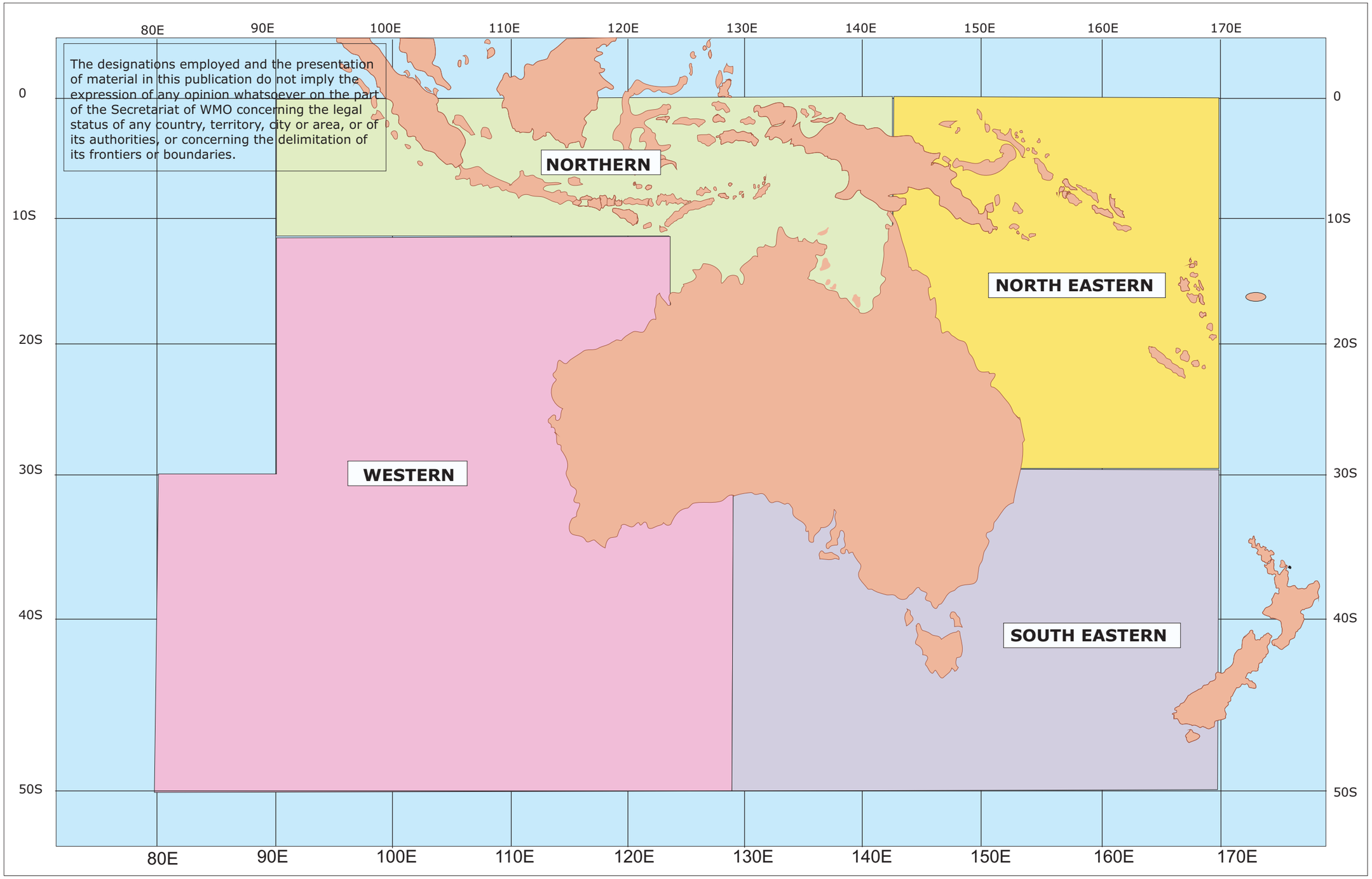
METAREA X
Australia - Australie
Tropical Cyclone Warning Areas

22 January 2008



METAREA X
Australia - Australie
High Seas Forecast Areas

22 January 2008

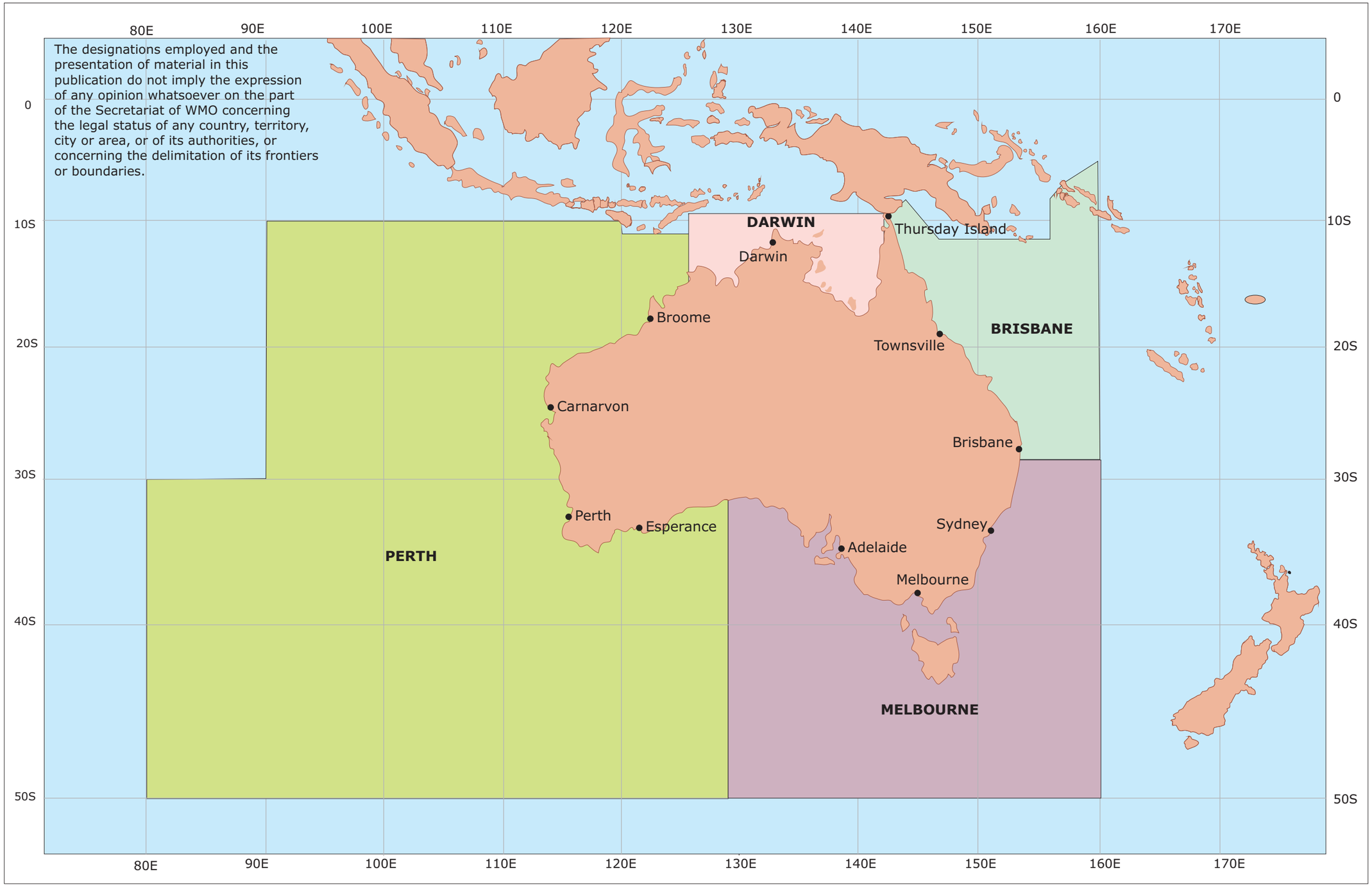


METAREA X
Australia - Australie
Marine Forecast Zones

30 May 2011

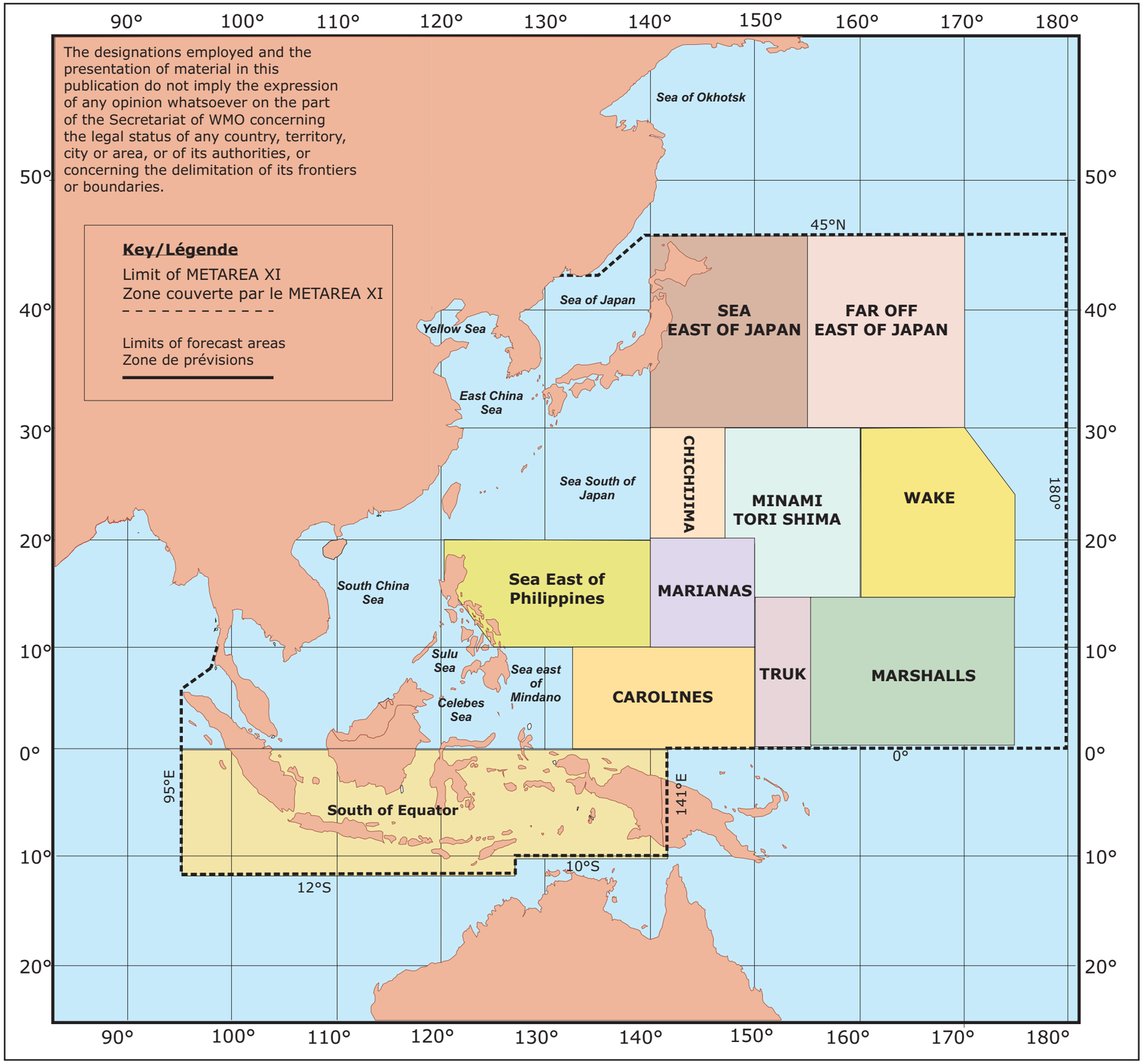
METAREA X
Australia - Australie
Areas of Responsibility for high seas Weather Warnings - Ocean Wind Warning areas

30 May 2011

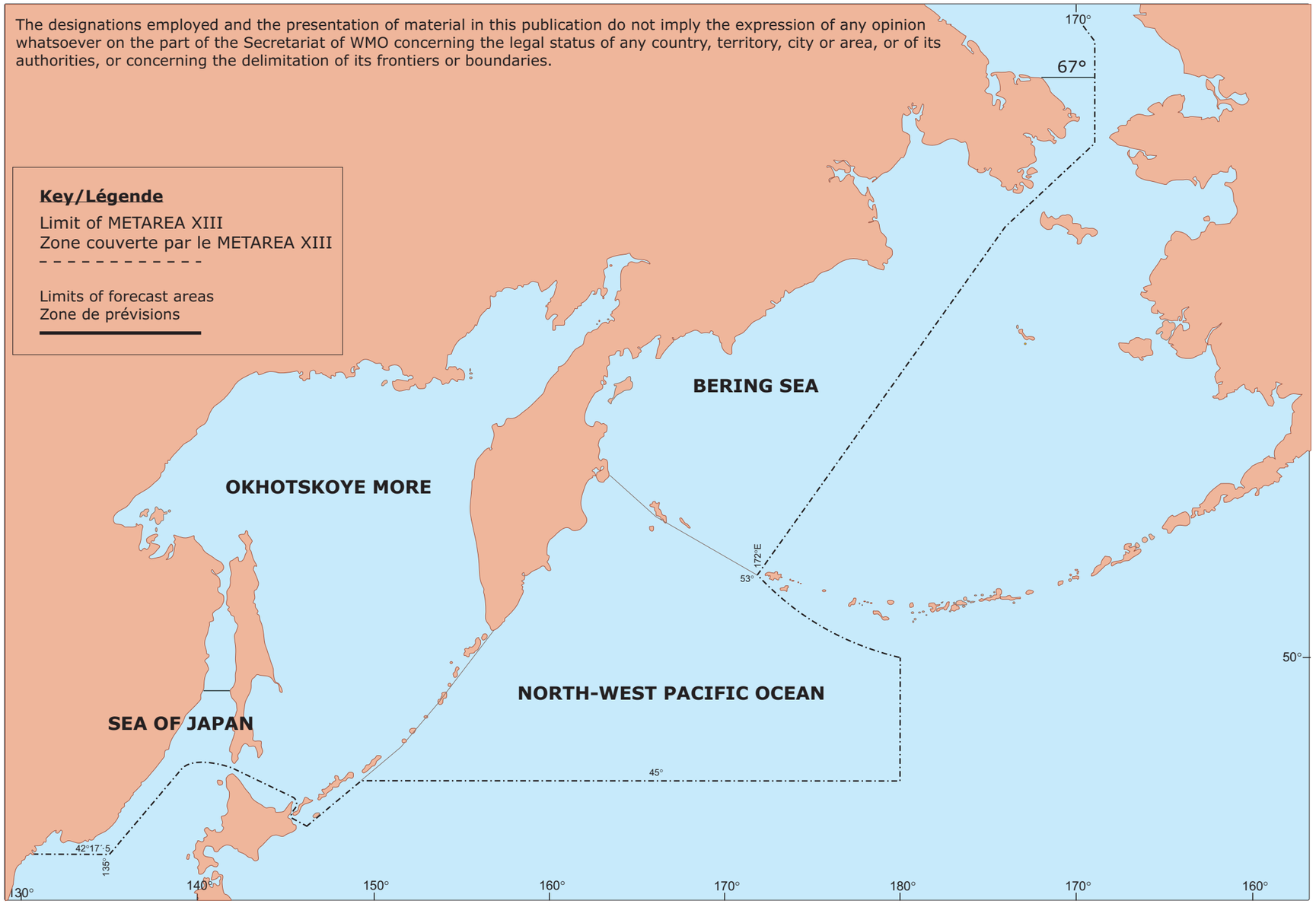


METAREA XI
North Western Pacific
China - Chine (IOR)
Japan- Japon (POR)

Forecast Areas - Zones de prévisions

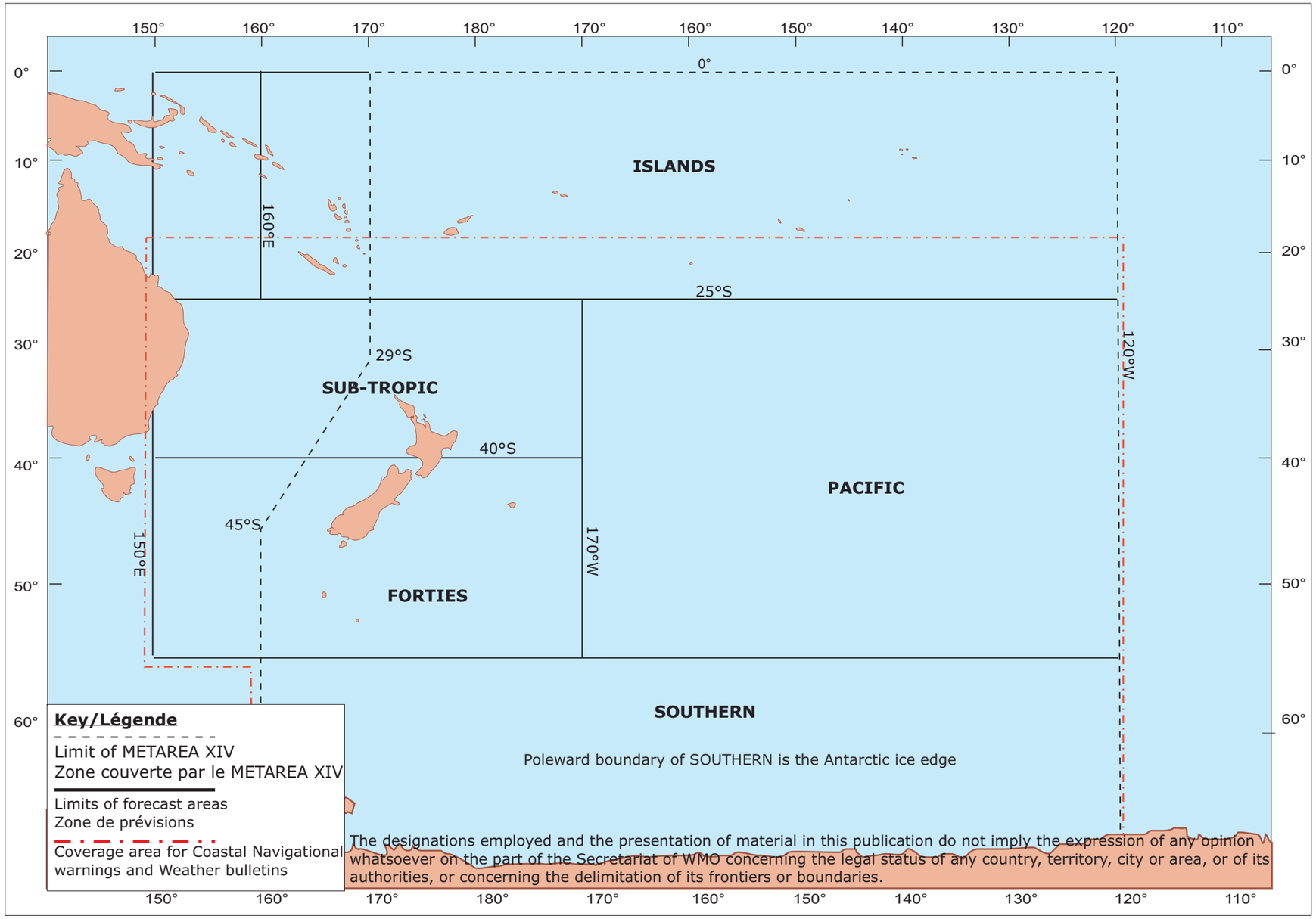


METAREA XIII
Russian Federation - Fédération de Russie
Forecast Areas - Zones de prévisions

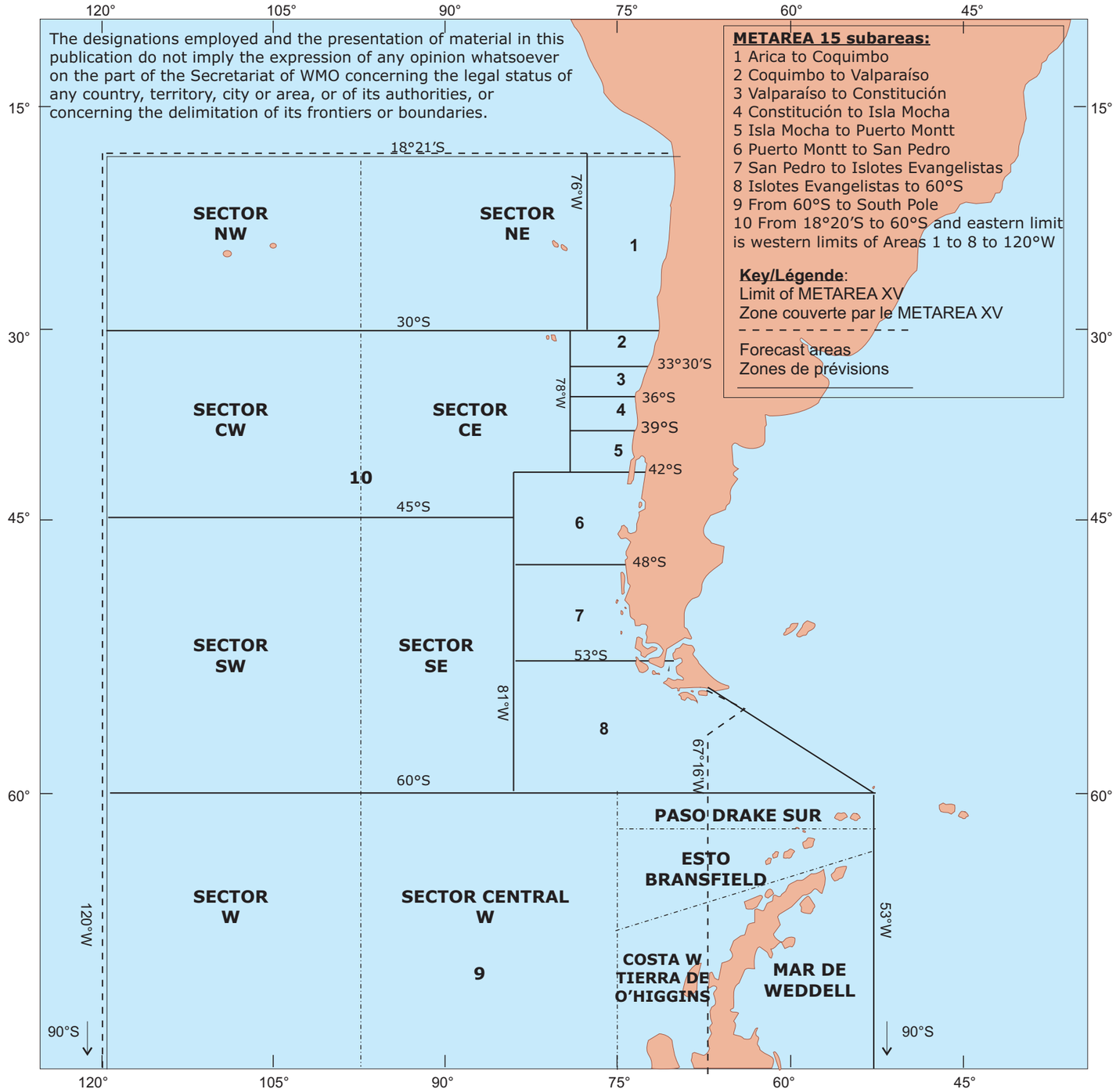


METAREA XIV
New Zealand - Nouvelle-Zélande
High Seas Forecast Areas

Updated: 10 December 2007



METAREA XV
Chile - Chili
Forecast Areas - Zones de prévisions
28 July 2010



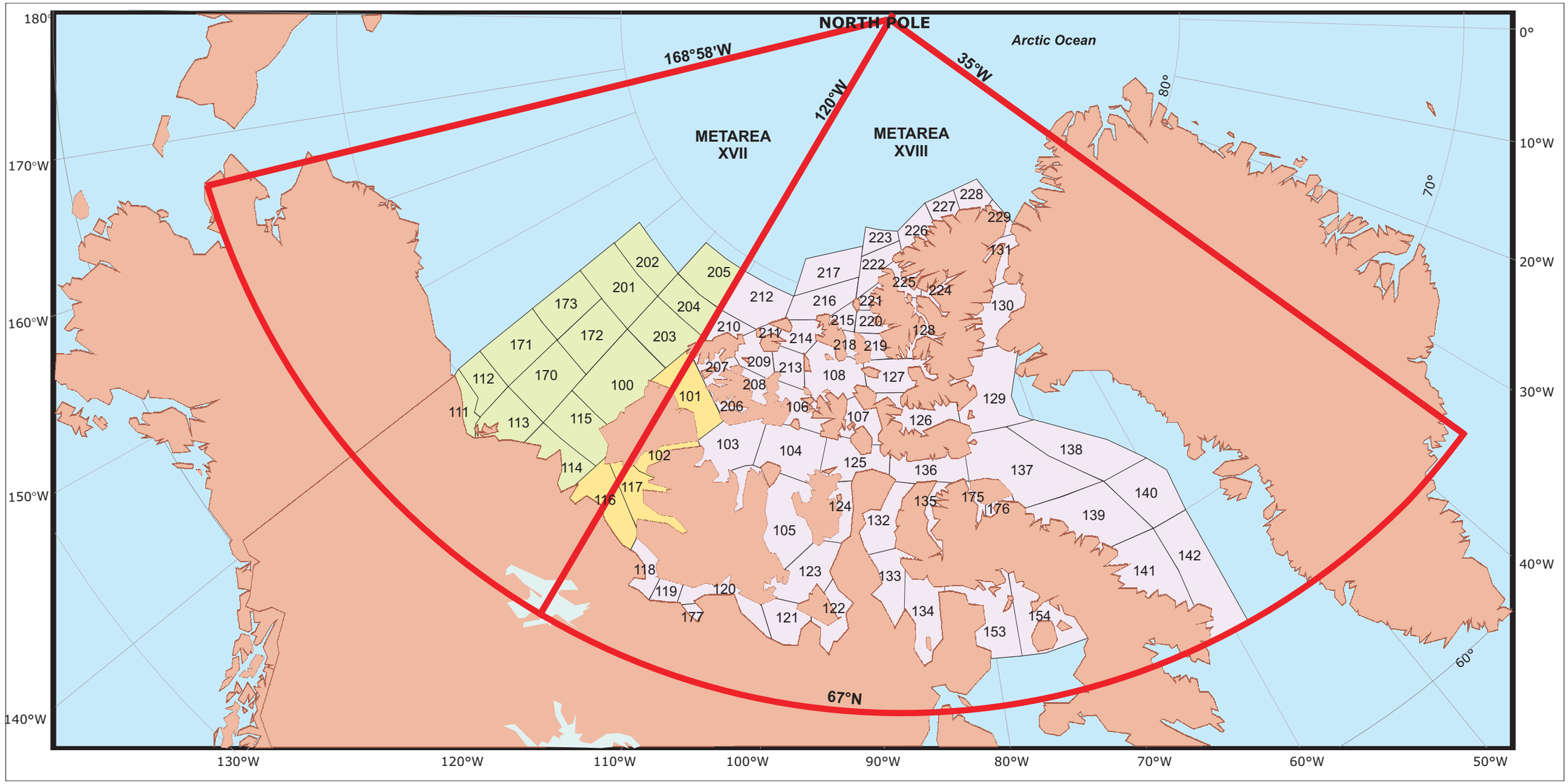
METAREA XVI
Peru area
Forecast Areas - Zones de prévisions

METAREA XVII and XVIII

Canada

Weather Forecast Areas for northern and Arctic waters

21 June 2011



100 Prince Alfred

101 McClure
102 Prince of Wales

103 Melville
104 Rae
105 McClintock
106 Byam
107 Queens
108 Maclean

111 Yukon Coast
112 Mackenzie
113 Tuktoyaktuk
114 Baillie
115 Banks

116 Amundsen
117 Holman

118 Dolphin
119 Coronation
120 Dease
121 Maud
122 St. Roch
123 Larson
124 Peel
125 Barrow
126 Jones
127 Norwegian
128 Eureka
129 Clarence
130 Kane
131 Robeson

132 Regent
133 Boothia
134 Committee
135 Admiralty
136 Lancaster
137 West Baffin
138 East Baffin
139 West Clyde
140 East Clyde
141 West Davis
142 East Davis
153 Igloolik
154 Prince Charles

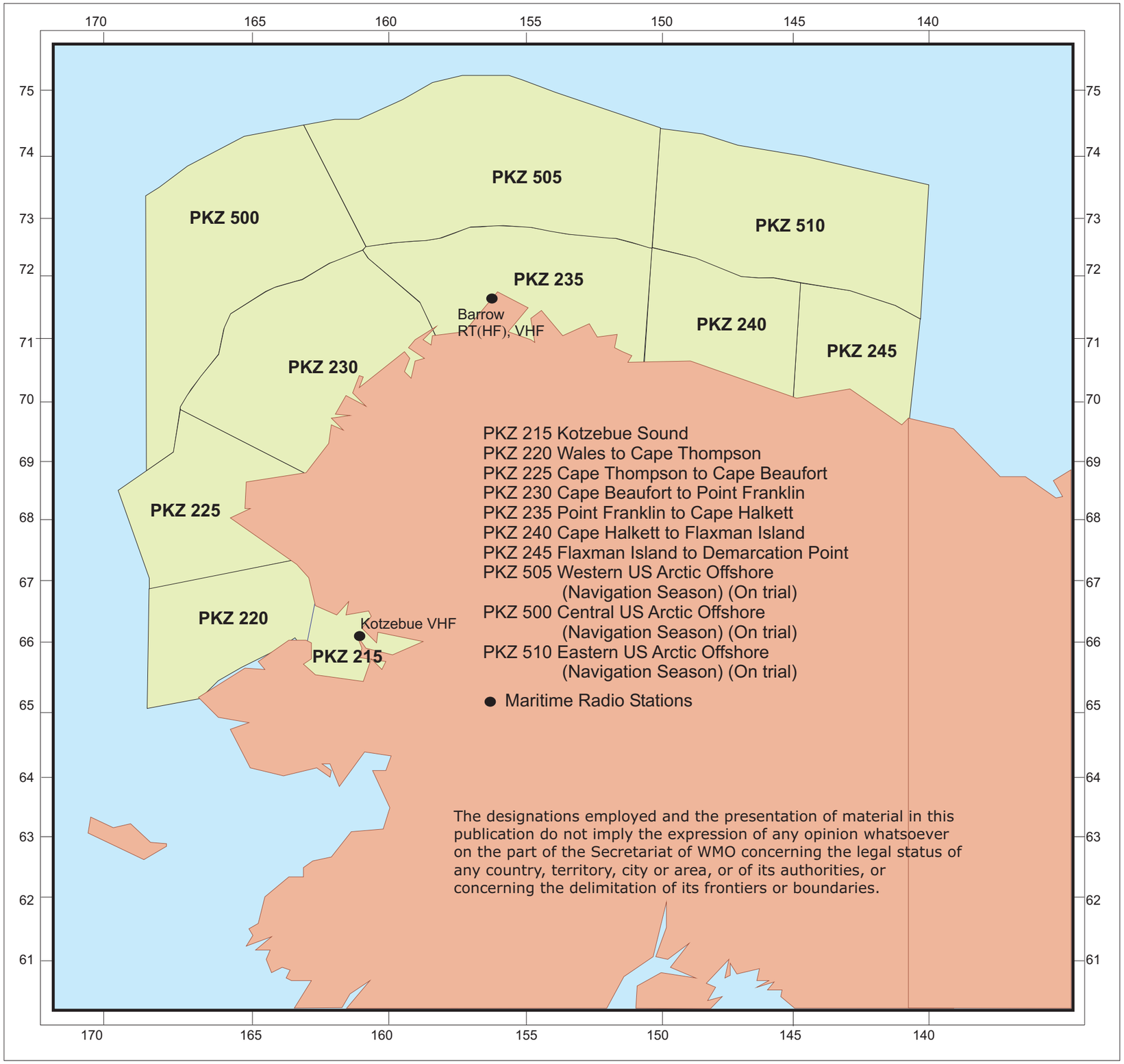
170 North Tuktoyaktuk
171 North Mackenzie
172 West Prince Alfred
173 Northwest Beaufort

175 Navy Board
176 Pond
177 Bathurst
201 Zone 1 centred on 75.7°N 135°W
202 Zone 2 centred on 77.3°N 135°W
203 South Prince Patrick
204 Prince Patrick
205 North Prince Patrick

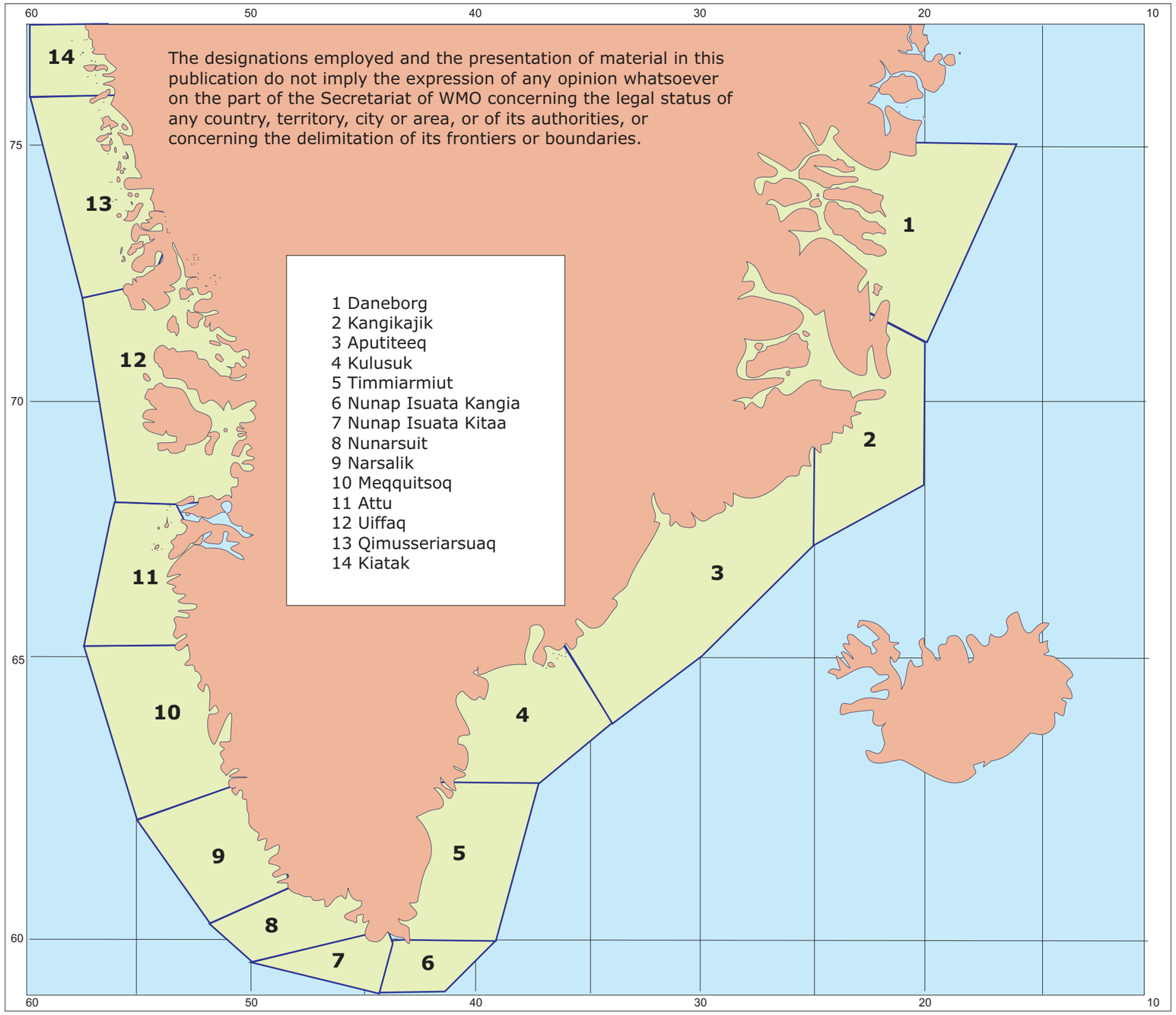
206 Liddon
207 Fitzwilliam
208 Griper
209 Ballantyne
210 Brock
211 Wilkins
212 Borden
213 Hazen
214 Gustaf
215 Peary
216 South Ellef Ringnes
217 Ellef Ringnes

218 Hassel
219 Massey
220 South Sverdrup
221 North Sverdrup
222 South Axel Heiberg
223 Axel Heiberg
224 Greely
225 Nansen
226 Ellesmere
227 Ward Hunt
228 Bartlett
229 Alert

METAREA XVII
Canada
Weather Forecast Areas for Northern Alaska (USA)
Arctic coast
13 October 2010



METAREA XVIII
Canada
Weather Forecast Areas for Greenland
13 October 2010



Transmission Schedule for Full GMDSS Service

METAREAS	Issuing Country *Preparation Country*	Land Earth Station (LES)	Satellite Ocean Regions	Broadcast Schedule (UTC)						Date
I	**United Kingdom** *United Kingdom*	Goonhilly	AOR-E			0930			2130	01/11/2010
II	**France** *France*	Aussaguel	AOR-W AOR-E			0900 0900			2100 2100	01/11/2010
III	**Greece (Hellas)(1)** *France (western Mediterranean Sea)*	Thermopylae	AOR-E			1000			2200	01/11/2010
IV	**United States of America** *United States of America (NW)*	Southbury	AOR-W		0430	1030		1630	2230	01/11/2010
V	**Brazil** *Brazil*	Tangua	AOR-E		0730			1930		01/11/2010
VI	**Argentina** *Argentina*	Southbury	AOR-W	0230				1730		01/11/2010
VII (West of 20E)	**South Africa** *France (forecast for area 30S 50E/50S 80E and Tropical Cyclone Warning)*	Burum	AOR-E			0940			1940	01/11/2010
VII (East of 20E)	**South Africa(2)** *France (forecast for area 30S 50E/50S 80E and Tropical Cyclone Warning)*	Burum	IOR			0940			1940	01/11/2010
VIII(S) (South of Equator)	**Mauritius/La Réunion (via France)** *La Reunion (via France)*		IOR	0130 0000(3)	0600(3)		1330 1200(3)	1800(3)		01/11/2010
VIII(N) (North of Equator)	**India** *India*	Arvi	IOR			0900		1800		01/11/2010
IX	**Pakistan** *Pakistan*	Perth	IOR		0700					01/11/2010
X POR	**Australia** *Australia, Fiji, New Zealand*	Perth	POR		0510 (Bass Strait)(4)	0815 (NT coast)(5)	1100	1700 (Bass Strait)(4)	2015 (NT coast)(5) 2300	01/11/2010
X IOR	**Australia** *Australia, Mauritius/Reunion*	Perth	IOR		0430(6) (WA coast)	1030		1630 WA coast(6)	2330	01/11/2010
XI POR	**Japan(7)** *Australia (south of the equator)*	Yamaguchi	POR North of Equator POR South of Equator	0230		0830 0815	1430		2030 2015	01/11/2010
XI IOR	**China** *China*	Beijing Satellite Station (c)	IOR	0330		1015	1530		2215	01/11/2010

METAREAS	Issuing Country *Preparation Country*	Land Earth Station (LES)	Satellite Ocean Regions	Broadcast Schedule (UTC)						Date
XII	**United States of America** *United States of America*	Santa Paula	AOR-W		0545		1145	1745	2345	01/11/2010
XIII	**Russian Federation**		POR			0930			2130	01/11/2010
XV	**Chile** *Chile*	Southbury	AOR-W					1845		01/11/2010
XIV	**New Zealand** *Fiji (for area north of 25 South)*	BT-Pacific Auckland	POR	0130(4) (NZ coast only) 0330 (warnings only)		0930	1330(4) (NZ coast only) 1530 (warnings only)		2130	01/11/2010
XVI	**United States of America** *United States of America*	Southbury	AOR-W		0515	1115		1715	2315	01/11/2010
XVII	**Canada(8)** *Canada (9)*		POR (10)	0300			1500 (10)			16/12/2010
XVIII	**Canada (8)** *Canada and Denmark*		AOR (W)(11)	0300			1500 (11)			16/12/2010
XIX	**Norway**		AOR (E)			1100			2300	01/11/2010
XX	**Russian Federation**		IOR		0600			1800		01/11/2010
XXI	**Russian Federation**		POR		0600			1800		01/11/2010
XII	United States of America *United States of America*	Santa Paula	POR		0545		1145	1745	2345	01/11/2010

Notes:

(1) Scheduled bulletins and warnings for the western Mediterranean Sea are prepared by France.

(2) Forecast for area 30°S-50°E / 50°S-80°E and tropical cyclone warnings are prepared by La Réunion.

(3) Tropical Cyclone warnings if any issued by La Réunion as unscheduled broadcasts.

(4) Local time. The Bass Strait bulletins are Coastal Warnings and Forecasts transmitted only to SafetyNET Coastal Area D in Navarea X.

(5) Northern Territory bulletins are Coastal Warnings and Forecasts transmitted only to SafetyNET Coastal Areas G and H in Navarea X.

(6) Local time. Western Australia bulletins are Coastal Warnings and Forecasts transmitted only to SafetyNET Coastal Areas F and G in Navarea X.

(7) Scheduled bulletins and warnings for south of the equator prepared by Australia.

(8) Implementation of the meteorological forecast and warning components of the GMDSS for Arctic METAREAs is ongoing and is expected to become fully operational by 1 June 2011.

(9) The USA issues marine forecasts for its jurisdictional coastal and offshore waters north of Alaska.

(10) Forecasts for sections of METAREA XVII north of 75°N and east of 141°W (Sea Area A4) are broadcast by Canadian Coast Guard radio from Iqaluit NU via High Frequency Narrow Band Direct Printing (HF NBDP), on a frequency of 8416.5 kHz. Broadcast times are 0330 and 1530 UTC during the operational season.

(11) Forecasts for sections of METAREA XVIII north of 75°N (Sea Area A4) are broadcast by Canadian Coast Guard radio from Iqaluit NU via High Frequency Narrow Band Direct Printing (HF NBDP), on a frequency of 8416.5 kHz. Broadcast times are 0330 and 1530 UTC during the operational season.

*** Scheduled bulletins and warnings for south of the equator prepared by Australia.

CHAPTER 2

SATELLITE
INMARSAT - C

Land Earth Station (LES)	Country	ID Number	LES Operator
AOR-E			
Aussaguel	France	121	Vizada
Burum	Netherlands	112	Stratos Global
Eik	Norway	104	Vizada
Emeq-Haela	Israel	127	Bezeq
Ex Goonhilly @ Burum2	Netherlands	102	Stratos Global
Fucino	Italy	105	Telecom Italia
Nudol(3)	Russian Federation	117	Morsviazsputnik
Psary	Poland	116	Telekomunikacja Polska
Southbury	United States of America	101	Vizada
Tangua	Brazil	114	Embratel
Thermopylae	Greece	120	OTE
Yamaguchi	Japan	103	KDDI
AOR-W			
Aussaguel	France	021	Vizada
Burum	Netherlands	012	Stratos Global
Eik	Norway	004	Vizada
Ex Goonhilly @ Burum2	Netherlands	002	Stratos Global
Sentosa	Singapore	210	Singapore Telecom
Southbury	United States of America	001	Vizada
Yamaguchi	Japan	003	KDDI
IOR			
Arvi(2)	India	306	VSNL
Aussaguel	France	321	Vizada
Beijing	China	311	MCN
Eik	Norway	304	Vizada
Emeq-Haela	Israel	327	Bezeq
Ex Goonhilly @ Burum2	Netherlands	302	Stratos Global
Fucino	Italy	335	Telecom Italia
Haiphong	Viet Nam	330	VISHIPEL
Nudol(3)	Russian Federation	317	Morsviazsputnik
Psary	Poland	316	Telekomunikacja Polska
Sentosa	Singapore	328	Singapore Telecom
Southbury	United States of America	301	Vizada
Station 12(1)	Netherlands	312	Stratos Global
Thermopylae	Greece	305	OTE
Yamaguchi	Japan	303	KDDI

Land Earth Station (LES)	Country	ID Number	LES Operator

POR

Auckland	New Zealand	202	Stratos Global
Aussaguel	France	221	Vizada
Beijing	China	211	MCN
Eik	Norway	204	Vizada
Nudol(3)	Russian Federation	217	Morsviazsputnik
Santa Paula	United States of America	201	Vizada
Station 12(1)	Netherlands	212	Stratos Global
Yamaguchi	Japan	203	KDDI

NOTES:

(1) Ships previously reporting through Perth (renamed to Station 12) must use SAC 1241 when sending weather reports through IOR 312

(2) Arvi will accept code 41 reports from within Metarea VIII(N) only.

(3) Via Nakhodka

CHAPTER 3

METEOROLOGICAL BROADCASTS BY RADIO-FACSIMILE
DIFFUSIONS MÉTÉOROLOGIQUES PAR RADIO FAC-SIMILÉ

Chapter 3 - Meteorological Broadcasts by Radio-Facsimile

This part contains the facsimile broadcast transmissions of meteorological charts of interest to shipping and fisheries. The following presentation has been adopted for each schedule:

KENYA

Nairobi **HKNC**

I. TECHNICAL SPECIFICATIONS — CARACTÉRISTIQUES TECHNIQUES

Frequency	Band Width Largeur de bande	Call Sign Indicatif d'appel	Class of Emission Catégorie d'émission	Power Supplied to the Antenna Puissance fournie à l'antenne	Hours of Operation Heures d'utilisation
9 043 kHz	White/black ± 400 kHz	5YE1	F3C	10 kW	H24
17 445kHz	White/black ± 400 kHz	5YE1	F3C	10 kW	1430-0230
4 610 kHz	White/black ± 400 kHz	5YE1	F3C	10 kW	Jul-Dec

II. MAP AREA — ZONE COUVERTE PAR LA CARTE

Area / Zone	Area Coverage / Zone Couverte	Projection	Scale / Échelle
1.	05N - 60N, 110W - 160W	Mercator	1: 25.000.000 at 22°30'

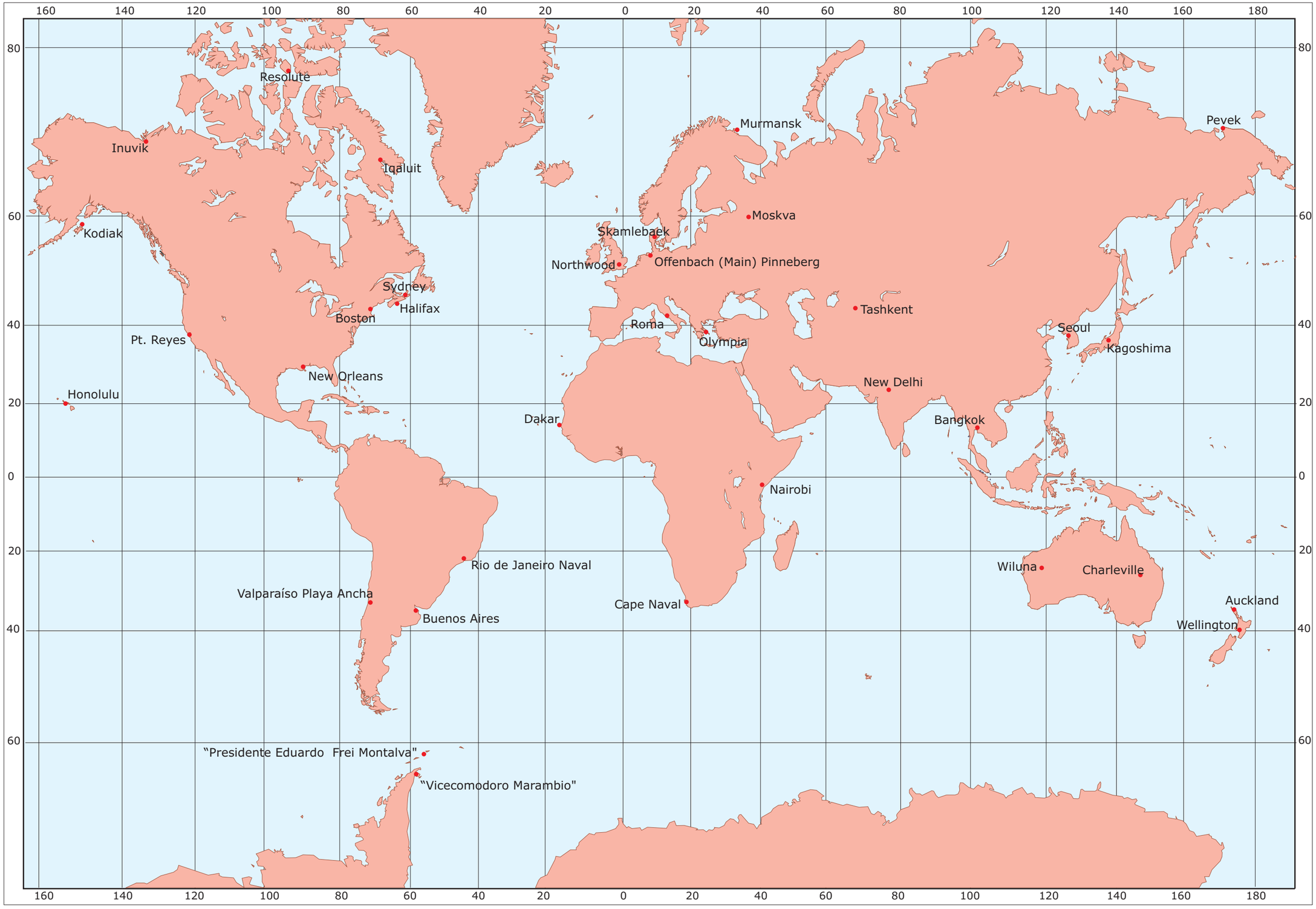
III. CONTENTS OF BROADCAST SCHEDULES — CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) Heure de transmission (Groupe horaire) (UTC)	TTAAii	CCCC	Details of Chart Renseignements figurant sur la carte	Map Area Zone couverte par la carte	Drum Speed Vitesse du cylindre
1345(06) 1708(12)		EDZW	E/B	Indian Ocean analysis	120/576
0530(00) 1730(12)		EDZW	A	250 hPa analysis	120/576
1121 2200		EDZW		Ice analysis Gulf of St. Lawrence	120/576

Explanation of the radio-facsimile presentation:

		KENYA	The schedules are arranged in English alphabetical order of countries, with the name of the country transmitting the broadcast schedule given at the top of the page.
		Nairobi **HKNC**	The name of the transmitting centre. **CCCC** - International four letter location indicator of the centre originating the chart.
		Area coverage	The area in which the broadcast is intended to bereceived. This can include geographical co-ordinates or a geographical area.
I	**(a)**	Frequency	Refers to the centre value about which the frequency shift takes place.
	(b)	Band width	Frequency shift
	(c)	Call Sign	Can either be the Name of the call sign of the Station
	(d)	Class of Emission	This column specifies the class of emission of the frequencies indicated under the column "Frequency used". The following symbols are used **AMPLITUDE MODULATION** A1A Telegraphy without the use of a modulating audio frequency (by on-off keying) A2A Telegraphy by the on-off keying of an amplitude-modulating audio frequency of audio frequencies, or by the on-off keying of the modulated emission (special case: an unkeyed emission amplitude modulated) A3E Telephony, double sideband R3E Telephony, single sideband, reduced carrier H3E Telephony, single sideband, full carrier J3E Telephony, single sideband, suppressed carrier B9W Combination of telephony and telegraphy (two independent sidebands) **FREQUENCY MODULATION** F1B Telegraphy by frequency shift keying without the use of a modulating audio frequency, one of two frequencies being emitted at any instant F3E Telephony, by direct frequency modulation of the carrier
	(f)	Hours of operation	When appropriate this column indicates the hours of operation, in UTC, of the various frequencies. Any seasonal variations are also shown **eg H24, 0600-1600, Summer, June-December**
II	**(a)**	Area	The map area refers to table "II. MAP AREA"
	(b)	Projection	Projection type eg Mercator, Lambert's Conical Orthomorphic, Polar Stereographic
	(c)	Scale	Indicates the scale of the map eg. 1:6,000,000 true at 60°N (45 cm x 55 cm)
III	**(a)**	Transmission time	This column gives the time at which the transmission is scheduled to begin. 0600(00) The times at which the observations contained in the chart were made are presented in parentheses.
	(b)	TTAAii	Abbreviated heading - data type and geographical designators.
	(c)	CCCC	International four letter location indicator of the centre originating the chart.
	(d)	Map area	For each chart transmitted this column gives a letter/digit which corresponds to the area covered. The map areas corresponding to the letters are indicated at the beginning of the schedule. See table II – Map Area
	(e)	Details of chart	This column specifies details of the content of the chart eg: H+24 surface prognosis / Indian Ocean analysis / Test chart
	(e)	Drum speed	This relates to the drum speed, in revolutions per minute, and the Index of co-operation, which is generally 576. For complementary information see "WMO Publication No. 386 - *Manual on the Global Telecommunication System, Volume"*

RADIO-FACSIMILE STATIONS TRANSMITTING WEATHER PRODUCTS



ALASKA (US)

CCCC: PAAQ
Region: IV

Station Name: Kodiak, Alaska, USA

METAREA: XII & XVII

Area Covered: East Pacific

Date: 16/03/2011

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
2054 kHz	NOJ	F3C	-	4 KW	ALL BROADCAST TIMES
4298 kHz	NOJ	F3C	-	4 KW	ALL BROADCAST TIMES
8459 kHz	NOJ	F3C	-	4 KW	ALL BROADCAST TIMES
12412.5 kHz	NOJ	F3C	-	4 KW	ALL BROADCAST TIMES

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
1.	20N - 70N, 115W - 135E		
2.	40N - 70N, 125W - 150E		
3.	40N - 70N, 115W - 170E		
4.	40N - 60N, 125W - 160E		
5.	05N - 60N, 110W - 160W		
6.	ICE COVERED AK WATERS		
7.	COOK INLET		

III. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
------/0008		PAAQ	96HR WAVE PERIOD, SWELL DIRECTION	1	120/576
------/0018		PAAQ	96HR 500 MB FORECAST	1	120/576
------/2348		PAAQ	96HR SURFACE FORECAST	1	120/576
------/2358		PAAQ	96HR WIND/WAVE FORECAST	1	120/576
0340/1540		PAAQ	TEST PATTERN 120/576		
0343/1543		PAAQ	SEA ICE ANALYSIS/REBROADCAST 5-DAY SEA ICE FORECAST	6	120/576
0403/1603		PAAQ	REBROADCAST 24HR SURFACE F'CAST 2227/1027	3	120/576
0437/1637		PAAQ	REBROADCAST 48HR SURFACE F'CAST 2237/1037	1	120/576
0447/1647		PAAQ	REBROADCAST 96HR SURFACE F'CAST 2348		120/576
0456/1656		PAAQ	SEA STATE ANALYSIS/REBROADCAST	1	120/576
0506/1706		PAAQ	GOES IR SATELLITE IMAGE	5	120/576
0517/1717		PAAQ	500 MB ANALYSIS	1	120/576
0527/1727		PAAQ	SYMBOLS AND CONTRACTIONS/SCHEDULE		120/576
0548/1748		PAAQ	REQUEST FOR COMMENTS/PRODUCT NOTICE		120/576
0558/1758		PAAQ	24HR 500 MB FORECAST	1	120/576
0950/2150		PAAQ	TEST PATTERN		120/576
0953/2153		PAAQ	SURFACE ANALYSIS	2	120/576
1017/2217		PAAQ	24HR WIND/WAVE FORECAST	3	120/576
1027/2227		PAAQ	24HR SURFACE FORECAST	3	120/576
1037/2237		PAAQ	48HR SURFACE FORECAST	1	120/576
1047/2247		PAAQ	48HR WIND/WAVE FORECAST	1	120/576
1057/2257		PAAQ	5-DAY SEA ICE FORECAST/REBROADCAST SEA ICE ANALYSIS	6	120/576
1117/2317		PAAQ	GOES IR SATELLITE IMAGE	5	120/576
1128/2328		PAAQ	48HR WAVE PERIOD, SWELL DIRECTION	1	120/576
1138/2338		PAAQ	48HR 500 MB FORECAST	1	120/576
1148/------		PAAQ	SEA SURFACE TEMPERATURE ANALYSIS	4	120/576
1159/------		PAAQ	COOK INLET SEA ICE FORECAST	7	120/576

ALASKA (US)

CCCC: PAAQ
Region: IV

Send comments regarding the contents of these charts to:
Marine Services Program Manager
National Weather Service Alaska Region
222 West 7th Avenue
Anchorage, AK 99513-7575
907-271-5088 /FAX: 907-271-3711
nws.ar.arh.webauthors@noaa.gov

Send comments regarding the to: quality of this broadcast to:
U.S. Coast Guard
Commander COMMSTA Kodiak
P.O. Box 190017
Kodiak, AK 99619-0017
907-487-5426 /FAX: 907-487-5517
907-487-5778 (24Hr)

Many of these charts also broadcast from Pt. Reyes, CA and Honolulu, HI
If you have access to the World Wide Web be certain to check out the following webpages. See these pages for further links.

http://www.nws.noaa.gov NWS Homepage
http://www.nws.noaa.gov/om/marine/home.htm NWS Marine Page
cell.weather.gov (WAP/WML browser required) Cellphone page
mobile.weather.gov Mobile Page

Web Link: http://weather.noaa.gov/pub/fax/hfak.txt

ARGENTINA

CCCC: SABM
Region: III

Station Name: Buenos Aires (PREFECTURA NAVAL)

METAREA: VI

Date: 21/06/2006

Area Covered: South Atlantic
Area I: Covers the Río de la Plata, from the mouths of the Paraná and uruguay rivers up to an imaginary line joining PUNTA DEL ESTE (Uruguay 34°58'10"S, 54°57'05"W) and PUNTA RASA DEL CABO SAN ANTONIO (Argentina 36°17'38"S, 56°47'05"W), and the area of the Atlantic ocean between the two geographical points and 300 n miles out to sea.

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
18 093 kHz					
10 720 kHz					
5 185 kHz					

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
A			1: 20.000.000

III. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)			TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
	0400(00)	1620(12)		SABM	Surface analysis	A	120/576
0510(00)	1640(12)	1920(12)		SABM	500 hPa height analysis	A	120/576
	0600(00)	1740(12)		SABM	200 hPa height analysis	A	120/576
		0800(00)		SABM	1000/500 hPa thickness	A	120/576
	1400(12)	2100(18)		SABM	Nephanalysis	A	120/576
		1700(12)		SABM	850 hPa height analysis	A	120/576
		1720(12)		SABM	Height analysis (troposphere and maximum events)	A	120/576
	1800(12)	2200(12)		SABM	700 hPa height analysis	A	120/576
		1900(12)		SABM	24 H surface prognosis	A	120/576
		1940(12)		SABM	250 hPa height prognosis	A	120/576
		2000(12)		SABM	850/150 hPa significant height prognosis	A	120/576
		2300(12)		SABM	Wave forecast	A	120/576

Web Link:

AUSTRALIA

CCCC: AMMC
Region: V
METAREA: X
Date: 30/5/2011

Station Name: Charleville (Queensland) / Wiluna (Western Australia)

Area Covered: VMC (Charleville): Southwards from 10N, 70E - 150W
VMW (Wiluna): Southwards from 25N -25S, 75E - 180W.

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
5 100 kHz	VMC	F3C	white +400 Hz, black -400 Hz	1 kW	0000-2400
11 030 kHz	VMC	F3C	white +400 Hz, black -400 Hz	1 kW	0000-2400
13 920 kHz	VMC	F3C	white +400 Hz, black -400 Hz	1 kW	0000-2400
20 469 kHz	VMC	F3C	white +400 Hz, black -400 Hz	1 kW	1900-0900
2 628 kHz	VMC	F3C	white +400 Hz, black -400 Hz	1 kW	0900-1900
15 615 kHz	VMW	F3C	white +400 Hz, black -400 Hz	1 kW	0000-2400
5 755 kHz	VMW	F3C	white +400 Hz, black -400 Hz	1 kW	1100-2100
10 555 kHz	VMW	F3C	white +400 Hz, black -400 Hz	1 kW	0000-2400
18 060 kHz	VMW	F3C	white +400 Hz, black -400 Hz	1 kW	2100-1100
7 535 kHz	VMW	F3C	white +400 Hz, black -400 Hz	1 kW	0000-2400

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
A	30N- 35S, 120E - 180		
AUST	10S - 50S, 090E - 170E	Lambert	
B	30N - 35S, 070E - 130E		
C	30N - 35S, 070E - 180		
CASEY	50S - 70S, 080E - 160E	Mercator	
E	40N - 40S, 70E - 180E		
IO	10S - 90S, 0 - 090E - 180	Polar	
IOSST	20N - 50S, 30E - 150E	Mercator	
NT2	59 N 82 W, 61 N 28 W; 43 N 70 W, 44 N 35 W	Stereographic	
PSST	20N - 50S, 140E - 180 - 100W	Mercator	
SH	20S - 90S, all longitudes	Polar	
SWP	20S - 90S, 150E - 180 - 70W	Polar	

III. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0015-0030		AMMC	VMC/VMW Schedule Page 1 of 2	-	120/576
0030-0045		AMMC	VMC/VMW Schedule Page 2 of 2	-	120/576
0045-0100		AMMC	IPS Recommended Frequencies for VMC (Charleville)	-	120/576
0130-0200		AMMC	IPS Recommended Frequencies for VMW (Wiluna)	-	120/576
0200-0215		AMMC	Australian MSLP Prog (H+36) Valid 0000	-	120/576
0245-0300		AMMC	Australian MSLP Anal (Manual) Valid 0000	-	120/576
0300-0315		AMMC	Australian 500 hPa Anal Valid 0000	-	120/576
0315-0330		AMMC	Voice Broadcast Information for VMC and VMW	-	120/576
0345-0400		AMMC	Australian MSLP Anal (Manual) Valid 0000. repeat broadcasts on 11030 kHz only via a directional aerial pointing from Charleville (VMC) towards Tasmania.	-	120/576
0400-0415		AMMC	Australian 500 hPa (H+24) Prog Valid 0000	-	120/576
0430-0445		AMMC	Australian MSLP 4-day forecast, Days 1 and 2	-	120/576
0445-0500		AMMC	Australian MSLP 4-day forecast, Days 1 and 2	-	120/576
0500-0515		AMMC	Australian MSLP 4-day Forecast, Days 1 and 2. repeat broadcasts on 11030 kHz only via a directional aerial pointing from Charleville (VMC) towards Tasmania.	-	120/576
0515-0530		AMMC	Indian Ocean MSLP Anal (Manual) Valid 1200. repeat broadcasts on 11030 kHz only via a directional aerial pointing from Charleville (VMC) towards Tasmania.	-	120/576
0515-0530		AMMC	Australian MSLP 4-day Forecast, Days 3 and 4. repeat broadcasts on 11030 kHz only via a directional aerial pointing from Charleville (VMC) towards Tasmania.	-	120/576
0600-0622		AMMC	Asian (Part A) Gradient Level Wind Anal (Manual) Valid 0000	-	120/576
0623-0645		AMMC	Asian (Part B) Gradient Level Wind Anal (Manual) Valid 0000	-	120/588
0645-0700		AMMC	Asian MSLP Anal (Manual) Valid 0000	-	120/576
0730-0745		AMMC	Indian Ocean MSLP Anal (Manual) Valid 0000	-	120/576
0745-0800		AMMC	Australian Wind Waves Ht(m) Prog Valid 0000 (H+24)	-	120/576
0800-0815		AMMC	Australian Swell Waves Ht(m) Prog (H+24) Valid 0000	-	120/576
0830-0845		AMMC	South Pacific Ocean MSLP Anal Valid 0000	-	120/576
0845-0900		AMMC	Australian MSLP Anal (Manual) Valid 0600	-	120/576
0900-0915		AMMC	Australian MSLP Prog (H+36) Valid 0000	-	120/576
0915-0930		AMMC	Australian MSLP 4-day forecast, Days 1 and 2	-	120/576
0930-0945		AMMC	Australian MSLP 4-day forecast, Days 3 and 4	-	120/576
1015-1030		AMMC	Casey Eastern and Western High Seas (H+24) valid 0000	-	120/576
1030-1045		AMMC	S.H. 500 hPa Prog (H+48) Valid 0000	-	120/576
1045-1100		AMMC	S.H. 500 hPa Prog (H+48) Valid 0000	-	120/576
1100-1115		AMMC	Casey Eastern and Western High Seas (H+36) valid 0000	-	120/576

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
1115-1130		AMMC	S.H. 500 hPa Anal Valid 0000	-	120/576
1130-1145		AMMC	Asian Sea Surface Temp Anal (Weekly)	-	120/576
1145-1200		AMMC	VMC/VMW Information Notice	-	120/576
1200-1215		AMMC	Australian MSLP Prog (H+36) Valid 1200	-	120/576
1215-1230		AMMC	VMC/VMW Schedule Page 1 of 2	-	120/576
1230-1245		AMMC	VMC/VMW Schedule Page 2 of 2	-	120/576
1245-1300		AMMC	Indian Ocean MSLP Prog (H+36) Valid 1200	-	120/576
1315-1330		AMMC	South Pacific Ocean Total Waves (H+48) Valid 0000	-	120/576
1330-1345		AMMC	Indian Ocean Total Waves (H+48) Valid 0000	-	120/576
1345-1400		AMMC	Pacific Ocean Sea Surface Temps (Weekly)	-	120/576
1400-1415		AMMC	Indian Ocean Sea Surface Temps (Weekly)	-	120/576
1415-1430		AMMC	Casey Eastern and Western High Seas (H+48) valid 0000	-	120/576
1430-1445		AMMC	Australian MSLP Anal (Manual) Valid 1200	-	120/576
1500-1515		AMMC	Australian 500 hPa Anal Valid 1200	-	120/576
1515-1530		AMMC	Australian MSLP Prog (H+36) Valid 1200	-	120/576
1530-1545		AMMC	Australian MSLP 4-day forecast, Days 1 and 2	-	120/576
1545-1600		AMMC	Australian MSLP 4-day forecast, Days 3 and 4	-	120/576
1600-1615		AMMC	Australian 500 hPa Prog (H+24) Valid 1200	-	120/576
1630-1700		AMMC	IPS Recommended Frequencies for VMC (Charleville)	-	120/576
1700-1730		AMMC	IPS Recommended Frequencies for VMW (Wiluna)	-	120/576
1800-1822		AMMC	Asian (Part A) Gradient Level Wind Anal (Manual) Valid 1200	-	120/576
1823-1845		AMMC	Asian (Part B) Gradient Level Wind Anal (Manual) Valid 1200	-	120/576
1915-1930		AMMC	Indian Ocean MSLP Anal (Manual) Valid 1200	-	120/576
1930-1945		AMMC	Australian Wind Waves Ht(m) Prog (H+24) Valid 1200	-	120/576
1945-2000		AMMC	Australian Swell Waves Ht(m) Prog (H+24) Valid 1200	-	120/576
2000-2015		AMMC	South Pacific Ocean MSLP Anal (Manual) Valid 1200	-	120/576
2015-2030		AMMC	Casey Eastern and Western High Seas (H+24) valid 1200	-	120/576
2030-2045		AMMC	Australian MSLP Anal (Manual) Valid 1800	-	120/576
2245-2300		AMMC	S.H. MSLP Prog (H+48) Valid 1200	-	120/576
2300-2315		AMMC	S.H. 500 hPa Anal Valid 1200	-	120/576
2315-2330		AMMC	Casey Eastern and Western High Seas (H+48) valid 1200	-	120/576
2330-2345		AMMC	Australian MSLP Prog (H+36) Valid 0000	-	120/576
2345-0000		AMMC	Indian Ocean MSLP Prog (H+48) Valid 1200	-	120/576

AUSTRALIA

CCCC: AMMC
Region: V

Scanning line density: 3.8 lines/mm. ning frequency 120 lines/minute
Start Signals: Carrier modulated by 300 Hz for five (5) seconds.
Phasing signals: BLACK signal interrupted by one (1) WHITE phasing pulse per revolution of the facimile drum, transmitted for at least thirty (30) seconds prior to the transmission of the chart.
Stop signals: Carrier modulated by 450 Hz for five (5) seconds followed by ten (10) seconds of BLACK signal will be transmitted.

Web Link: http://www.bom.gov.au/marine/radio-sat/radio-fax-schedule.shtml

BRAZIL

CCCC: SBBR
Region: III

Station Name: Rio de Janeiro Naval

METAREA: V

Area Covered: Atlantic waters west of 35°W from 3°N to the Equator, and west of 20°W from the Equator to 33°S.

Date: 28/10/2008

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
12665 kHz	PWZ-33	F3C	-	1 kW	ALL BROADCAST TIMES
16978 kHz	PWZ-33	F3C	-	1 kW	ALL BROADCAST TIMES

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
A	20N 090W,20N 000E,70 S 090W, 70S 000E		1:101,200,000
B	20N 090W,20N 020E,70S 090W,70S 020E		1:58,500,000
C	20N 090W, 20N 020E, 70S 090W, 70S 020E		1:58,500,000
D	15N 072W, 15N 018W, 50S 072W, 50S 018E		1:32,700,000

III. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0745/1630		SBBR	TEST CHART	-	120/576
0750(00)/1635(12)		SBBR	SURFACE ANALYSIS (Hpa)	A	120/576
0810(00)/1655(12)		SBBR	WAVES SIG HEIGHT (m) AND DIR PROG 12/00Z+36HR	B	120/576
0830(00)/1715(12)		SBBR	WIND AT 10 m (KTS) PROG 12/00Z +36 HR	C	120/576
0850(12)/1735(00)		SBBR	SEA SURFACE TEMPERATURE	D	120/576

Web Link: http://www.mar.mil.br/dhn/chm/meteo/info/transmissoes/apend3ing.htm

CANADA

CCCC: CWAO
Region: IV
METAREA: IV
Date: 2011

Station Name: Sydney, Nova Scotia (CCG)

Area Covered: North Atlantic to Barents Sea
Arctic coast, Atlantic Coast and S. Lawrence River

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
4416 kHz	VCO	J3C			1121-1741
6915.1 kHz	VCO	J3C			2200-2331

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

III. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
1121		CWAO	ICE ANALYSIS GULF OF ST. LAWRENCE		120/576
1142		CWAO	ICE ANALYSIS EAST OR SOUTHEAST NEWFOUNDLAND WATERS		120/576
1741		CWAO	ICE ANALYSIS ICEBERG LIMIT		120/576
2200		CWAO	ICE ANALYSIS GULF OF ST. LAWRENCE		120/576
2331		CWAO	ICE ANALYSIS EAST OR SOUTHEAST NEWFOUNDLAND WATERS		120/576

Web Link: http://www.ccg-gcc.gc.ca/folios/00026/docs/RAMN-Atlantic-2011-eng.pdf

CANADA

CCCC: CWAO
Region: IV

Station Name: Inuvik (CCG)

METAREA: IV

Area Covered: Arctic coast, Atlantic Coast and S. Lawrence River

Date: 2011

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
8457.8 kHz	VFA	1 KW		1 KW	J3C

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

III. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0200		CWAO	Marine Wind Prognosis (Availability of charts may vary depending on shipping Ice Analysis (mid July to October 15) Amundsen Gulf, Queen Maud and McClure Strait. Ice Analysis Beaufort Sea/Alaskan Coast		120/576
1630		CWAO	Marine Surface Analysis (Availability of charts may vary depending on shipping Ice Analysis (mid July to October 15) Amundsen Gulf, Queen Maud and McClure Strait. Ice Analysis Beaufort Sea/Alaskan Coast		120/576

Note: Also available on request

Web Link: ://www.ccg-gcc.gc.ca/folios/00026/docs/RAMN-Pacific-2011-eng.pdf

CANADA

CCCC: CWAO
Region: IV

Station Name: Iqaluit, NWT (CCG)

METAREA: IV

Area Covered: Arctic coast, Atlantic Coast and S. Lawrence River

Date: 2011

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
3253.0 kHz	VFF	J3C	-	5 KW	2100 – 2330 UTC
7710.0 kHz	VFF	J3C	-	5 KW	0010 – 0900 UTC

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

III. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0100/1000		CWAO	Marine Surface Analysis (Arctic) Marine Wind Prognosis (Arctic)(experimental product) Regional Marine Wind Prognosis (on request)		120/576
0200/1100		CWAO	Ice analysis Hudson Bay south, Hudson Bay north, Hudson Strait, Foxe Basin, Labrador Coast, Davis Strait, Baffin Bay		120/576
0600/2100		CWAO	Marine Surface Analysis (Arctic) Marine wind prognosis (Arctic) (experimental product) Regional Marine Wind Prognosis (on request)		120/576
0700/2200		CWAO	Ice Analysis Hudson Bay south, Hudson Bay north, Hudson Strait, Foxe Basin, Labrador Coast, Davis Strait, Baffin Bay.		120/576

Operating only from approximately mid-June until late-November

Web Link: http://www.ccg-gcc.gc.ca/folios/00026/docs/RAMN_Atlantic2010-eng.pdf

CANADA

CCCC: CWAO
Region: IV

Station Name: Resolute, NWT (CCG)

METAREA: IV

Area Covered: Arctic coast, Atlantic Coast and S. Lawrence River

Date: 2011

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
3253.0 kHz	VFR	J3C	-	5 KW	0010 – 0900 UTC
7710.0 kHz	VFR	J3C	-	5 KW	2100 – 2330 UTC

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

III. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0100/1000		CWAO	Marine Surface Analysis (Arctic) Marine wind prognosis (Arctic) (experimental product) Regional Marine Wind Prognosis (on request)		120/576
0200/1100		CWAO	Ice analysis Baffin Bay, Approaches to Resolute, Resolute-Byam, Eureka Sound, McClure Strait, Parry Channel and Queen Maude.		120/576
0600/2100		CWAO	Marine Surface Analysis (Arctic) Marine wind prognosis (Arctic) (experimental product) Regional Marine Wind Prognosis (on request)		120/576
0700/2200		CWAO	Ice analysis Baffin Bay, Approaches to Resolute, Resolute-Byam, Eureka Sound, McClure Strait, Parry Channel and Queen Maude.		120/576

Operating only from approximately mid-June until late-November

Web Link: http://www.ccg-gcc.gc.ca/folios/00026/docs/RAMN-Atlantic-2011-eng.pdf

CANADA

CCCC: CWAO
Region: IV

Station Name: Halifax, Nova Scotia (CCG)

METAREA: IV

Area Covered: Arctic coast, Atlantic Coast and S. Lawrence River

Date: 2011

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
122.5 kHz	CFH	F3C	-	10 kW	ALL BROADCAST TIMES
4271 kHz	CFH	F3C	-	6 kW	ALL BROADCAST TIMES
6496.4 kHz	CFH	F3C	-	6 kW	ALL BROADCAST TIMES
10536 kHz	CFH	F3C	-	6 kW	ALL BROADCAST TIMES
13510 kHz	CFH	F3C	-	6 kW	ALL BROADCAST TIMES

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
A.	56N 87W, 56N 24W, 34N 38W, 34N 73W		
B.	76N 16W, 30N 20W, 23N 11W, 08N 69W		
C.	52N 80W, 65N 15W, 30N 60W, 34N 17W		
D.	60N 68W, 60N 33W, 43N 33W, 43N 68W		
E.	50N 75W, 50N 48W, 34N 48W, 34N 75W		
F.	52N 98W, 58N 24W, 30N 39W, 28N 78W		
G.	52N 98W, 56N 24W, 30N 39W, 28N 78W		
H.	30N 107W, 15N 67W, 34N 24W, 79N 60W		
I.	54N 100W, 58N 22W, 30N 39W, 28N 78W		

III. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
-------/1201		CWAO	3-DAY PROG	G	120/576
-------/1222		CWAO	4-DAY PROG	G	120/576
-------/1301		CWAO	5-DAY PROG	G	120/576
-------/1601		CWAO	850MB ANALYSIS	B	120/576
------/1822		CWAO	850MB FORECAST WINDS	C	120/576
------/2201		CWAO	SST: NOVA SCOTIA - TUE/THU/FRI NEWFOUNDLAND - WED/SAT	E/D	120/576
------/2201		CWAO	OFA: NOVA SCOTIA - SUN NEWFOUNDLAND - MON	E/D	120/576
-------/2222		CWAO	NEWFOUNDLAND ICE CHART		120/576
-------/2301		CWAO	GULF OF ST LAWRENCE ICE CHART (SEASONAL)		120/576
0001/------		CWAO	Ice Chart #1 (see note): Latest)		120/576
0101/------		CWAO	SATELLITE PHOTO INFRARED		120/576
0201/1401		CWAO	12/00Z SIGNIFICANT WEATHER DEPICTION	A	120/576
0301/1501		CWAO	500MB ANALYSIS	B	120/576
0322/1522		CWAO	SURFACE ANALYSIS	F	120/576
0401/1622		CWAO	36HR 500MB FORECAST	H	120/576
0422/1701		CWAO	24HR SURFACE PROG	A	120/576
0501/-----		CWAO	850 MB FORECAST WINDS	C	120/576
0601/1801		CWAO	36HR SURFACE PROG	A	120/576
0701/1901		CWAO	18/06Z SIIGNIFICANT WEATHER DEPICTION	A	120/576
0801/2001		CWAO	24/36HR SIGNIFICANT WAVE PROGNOSIS	A	120/576
0901/2101		CWAO	SURFACE ANALYSIS	F	120/576
1001/------		CWAO	OFA: NOVA SCOTIA - WED/SAT NEWFOUNDLAND - SUN/THU	E/D	120/576
1001/------		CWAO	SST: NOVA SCOTIA - MON NEWFOUNDLAND - TUE/FRI	E/D	120/576
1022/------		CWAO	SATELLITE PHOTO INFRARED		120/576
1101/------		CWAO	CFH BROADCAST SCHEDULE		120/576

NOTES:
This schedule of chart and text transmission is subject to short notice change according to the requirements of the Canadian Forces.

The geographical area of coverage for the ice charts varies according to season. The typical areas are: Gulf of St. Lawrence, East Newfoundland waters, Labrador Coast, Hudson Strait, Davis Strait and Baffin Bay. The Canadian Ice Service prepares all ice charts.

Web Link: http://www.ccg-gcc.gc.ca/folios/00026/docs/RAMN_Atlantic2010-eng.pdf

CHILE

CCCC: SCEF/SCSC
Region: III

Station Name: Valparaiso Playa Ancha (Radio Centro de Telecomunicaciones Maritimas)

METAREA: XV

Area Covered: East Pacific - Ocean areas south of 33°S between 20°W and 70°W. Chilean Maritime area

Date: 2006

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
8 677.0 kHz	CBV	F3C	white +400 Hz, black -400 Hz	1 kW	H24
4 228.0 kHz	CBV	F3C	white +400 Hz, black -400 Hz	1 kW	H24
17 146.4 kHz	CBV	F3C	white +400 Hz, black -400 Hz	1 kW	H24

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
A	10S-120W, 10S-050W, 80S-130W, 80S-030W		

III. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
1115(06) 1630(12) 2200(18)		SCEF/SCS	Surface analysis	A	120/576
1130(09) 1645(15) 1930(18) 2325(21)		SCEF/SCS	Satellite image	A	120/576
1915(1200)		SCEF/SCS	Significant wave map (MTS)	A	120/576
2215		SCEF/SCS	Ice report	A	120/576
2310		SCEF/SCS	12 hour surface forecast	A	120/576

Web Link: http://www.directemar.cl/meteo/operador/horarios.htm

DENMARK

CCCC: EKMI/EKCH
Region: VI

Station Name: Skamlebaek (KØBENHAVN)

METAREA: I

Area Covered: North Sea, North Atlantic, Greenland sea areas south of 75°N and east of 50°W (SEE MAP)

Date: 24/06/2003

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
9 360 kHz	OXT (1)	F3C	-	20 kW	0003-0025
5 850 kHz	OXT (1)	F3C	-	20 kW	0028-1005
13 855 kHz	OXT (1)	F3C	-	20 kW	1803-1825
9 360 kHz	OXT (1)	F3C	-	20 kW	1008-1215
17 510 kHz	OXT (1)	F3C	-	20 kW	1333-1355
9 360 kHz	OXT (1)	F3C	-	20 kW	1243-1305
9 360 kHz	OXT (1)	F3C	-	20 kW	1828-1850
13 855 kHz	OXT (1)	F3C	-	20 kW	1218-1240
13 855 kHz	OXT (1)	F3C	-	20 kW	1308-1330

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
1	Covers the southern tip of Greenland		
2	Section, which may cover any area north of 62°N according to need and time of year either on W or E coast of Greenland		

III. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0028 0003(2) 1243 1308 1333		EKMI/EKC	Ice chart	2 (or 1)	120/576
0943 1008 1153 1218 1803 1828		EKMI/EKC	Ice chart	1	120/576

NOTES :
(1) Call sign is transmitted for a period of 2 minutes immediately prior to chart transmission.
(2) Either one of chart #2 is transmitted if available, otherwise chart #1 is transmitted.
(3) Chart #1 covers the southern tip of Greenland. Chart #2 is a section, which may cover any area north of 62 degrees north according to need and time of year either on west or east coast of Greenland.

Web Link:

GERMANY

CCCC: EDZW
Region: VI

Station Name: Offenbach (Main)-Hamburg/Pinneberg (broadcast for shipping)

METAREA: I

Area Covered: North Atlantic north of 40°N, East of 55°W, North Sea and Baltic Sea

Date: 22/02/2008

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
3 855 kHz	DDH3	F1C	white +425 Hz / black -425 Hz	10 KW	0430-2300
7 880 kHz	DDK3	F1C	white +425 Hz / black -425 Hz	20 kW	0430-2300
13 882.5 Hz	DDK6	F1C	white +425 Hz / black -425 Hz	20 kW	0430-2300

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
AC*	44 N 116 W, 44 N 136 E; 44 N 45 W, 44 N 65 E	Stereographic	1:67.000.000 (A4)
AC1*	11 N 125 W, 11 N 145 E; 11 N 35 W, 11 N 55 E	Stereographic	1:44.000.000 (A3)
BQ1	58°N-08°E; 58°N-16°E; 53°N-08°E; 53°N-16°E	Stereographic	
BQ1	58 N 08 E, 58 N 16 E; 53 N 08 E, 53 N 16 E	Stereographic	
BQ2	66°N-12°E; 66°N-30°E; 57°N-12°E; 57°N-30°E	Mercator	
BQ2	66 N 12 E, 66 N 30 E; 57 N 12 E, 57 N 30 E	Mercator	
BQ3	58°N-08°E; 58°N-22°E; 54°N-08°E; 54°N-22°E	Mercator	
BQ3	58 N 08 E, 58 N 22 E; 54 N 08 E, 54 N 22 E	Mercator	
EN	62°N-04°W; 62°N-12°E; 50°N-04°W; 50°N-12°E	Stereographic	1: 2.000.000 scale indications refer to 60°N latitude
EN	60 N 09 W, 62 N 12 E; 50 N 04 W, 51 N 12 E	Stereographic	1: 2.000.000
NA	43 N 67 W, 61 N 79 E; 19 N 27 W, 27 N 33 E	Stereographic	1:20.000.000 (A3); 1:15.000.000 (A2)
NA	43°N-67°W; 61°N-79°E; 19°N-27°W; 27°N-33°E	Stereographic	1: 20.000.000 (A3)scale indications refer to 60°N latitude
NT1	38°N-100°W; 60°N-36°E;14°N-17°W;21°N-13°W	Mercator	1: 15.000.000
NT1	41 N 114 W, 60 N 36 E; 14 N 70 W, 21 N 13 W	Stereographic	1:15.000.000
NT2	60°N-65°W;60°N-38°W; 40°N-65°W; 40°N-38°W	Mercator	
NT3	53 N 70 W, 52 N 26 W; 36 N 63 W, 36 N 33 W	Stereographic	
NT3	52°N-110°W;61°N-34°E; 07°N-57°W; 09°N-18°W	Stereographic	15.000.000 scale indications refer to 60°N latitude
NT4	57°N-96°W; 71°N-71°E; 38°N-48°W; 46°N-13°E	Stereographic	10.000.000 scale indications refer to 60°N latitude
NT4	48 N 117 W, 63 N 42 E; 05 N 63 W, 10 N 18 W	Stereographic	1:15.000.000

III. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0430(00)	QPOA89	EDZW	Surface weather chart (1)	NA	120 / 576
0500(00)*	PPNE98	EDZW	H+00, H+24 (GME) MSL pressure, wind (10 m)	AC	120 / 576
0512(18)	PPOF89	EDZW	H+30 (GME) MSL pressure (1)	NA	120 / 576
0525(00)	QPYA89	EDZW	MSL pressure analysis, arrows showing the movement of pressure systems, significant weather, ice	NT1	120 / 576
0546(03)	PLNT98	EDZW	Information of tropical storms, North Atlantic (during the season)		120 / 576
0559(00)	PHOE50	EDZW	H+12, H+24 (GME) 500 hPa H+T, MSL pressure	NA	120 / 576
0612(00)	PROE70	EDZW	H+12, H+24 (GME) 850 hPa T, 700 hPa U	NA	120 / 576
0625(00)	PHOI50	EDZW	H+36, H+48 (GME) 500 hPa H+T, MSL pressure	NA	120 / 576
0638(00)	PROI70	EDZW	H+36, H+48 (GME) 850 hPa T, 700 hPa U	NA	120 / 576
0651(00)	PHOK50	EDZW	H+60, H+72 (GME) 500 hPa H+T, MSL pressure	NA	120 / 576
0704(00)	PROK70	EDZW	H+60, H+72 (GME) 850 hPa T, 700 hPa U	NA	120 / 576
0717(18)	PPOF89	EDZW	Repetition chart 0512 UTC (1)	NA	120 / 576
0730(00)	PPOI89	EDZW	H+48 (GME) MSL pressure (1)	NA	120 / 576
0742(00)	QPYA89	EDZW	Repetition chart 0525 UTC	NT1	120 / 576
0804(00)	PPOL89	EDZW	H+84 (GME) MSL pressure (1)	NA	120 / 576
0817(00)	PPON89	EDZW	H+108 (GME) MSL pressure (1)	NA	120 / 576
0830(00)	PJXE88	EDZW	H+24 (GSM) Sea and swell, Wind (10 m)	NA	120 / 576
0830(00)*	PHNA50	EDZW	Analysis (GME) 500 hPa H	AC1	120 / 576
0842(00)	PJXI88	EDZW	H+48 (GSM) Sea and swell, Wind (10 m)	NA	120 / 576
0842(00)*	PPNI98	EDZW	H+36, H+48 (GME) MSL pressure, wind (10 m)	AC	120 / 576
0854(00)	PJXK88	EDZW	H+72 (GSM) Sea and swell, Wind (10 m)	NA	120 / 576
0854(00)*	PRNE85	EDZW	H+24 (GME) 850 hPa, 700 hPa U	AC	120 / 576
0906(00)	PJXM88	EDZW	H+96 (GSM) Sea and swell, Wind (10 m)	NA	120 / 576
0906(00)*	PRNG85	EDZW	H+36 (GME) 850 hPa, 700 hPa U	AC	120 / 576
0918(00)*	PPNM98	EDZW	H+72, H+96 (GME) MSL pressure, wind (10 m)	AC	120 / 576
0930(00)	PIAA88	EDZW	Ice Chart northwesternpart atlantik	NT2/NT3	120 / 576
0930(00)*	PJXE88	EDZW	H+24 (GSM) sea and swell, wind direction, direction of swell	NA	120 / 576
0945(00)	QTUA88	EDZW	Sea surface temperature North Sea 3)	EN	120 / 576
1004(00)*	PJXI88	EDZW	H+48 (GSM) sea and swell, wind direction, direction of swell	NA	120 / 576
1007(00)	QIMA88	EDZW	Ice condition Chart Western Baltic (3) (4)	BQ1	120 / 576
1016(00)*	PJXK88	EDZW	H+72 (GSM) sea and swell, wind direction, direction of swell	NA	120 / 576
1029(00)	QJOI88	EDZW	H+48 wave prediction	NT4	120 / 576
1050(06)	QPOA89	EDZW	Surface weather chart	NA	120 / 576
1111	QZZZ93	EDZW	Transmission schedule		120 / 576
1132	PZZZ91	EDZW	Test chart		120 / 576
1145(06)	QPOA89	EDZW	Repetition chart 1050 UTC	NA	120 / 576

GERMANY

CCCC: EDZW
Region: VI

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
1205(18)	PPOF89	EDZW	Repetition chart 0512 UTC	NA	120 / 576
1206(00)*	PJXM88	EDZW	H+96 (GSM) sea and swell, wind direction, direction of swell	NA	120 / 576
1219(00)*	PIAA88	EDZW	Ice conditions chart North-West Atlantic (2)	NT2,NT3	120 / 576
1220(00)	PPOI89	EDZW	Repetition chart 0730 UTC	NA	120 / 576
1232(00)*	QIMA88	EDZW	Ice conditions chart West Baltic Sea (4)(5)	BQ1	120 / 576
1520(09)	QIMA88	EDZW	Ice conditions chart West Baltic Sea (4)(5) or special area (3)(4)	BQ2	120 / 576
1520(09)	QIXA88	EDZW	Ice conditions chart West Baltic Sea (4)(5) or special area (3)(4)	XX1	120 / 576
1540(09)	QIYA88	EDZW	Ice conditions chart Arctic Sea	XX2	120 / 576
1540(09)	QIYA88	EDZW	Ice conditions chart Southern Baltic Sea	BQ3	120 / 576
1600(12)	QPOA89	EDZW	Surface weather chart (1)	NA	120 / 576
1800(12)	QPYA89	EDZW	MSL pressure analysis, arrows showing the movement of pressure systems, significant weather, ice	NT1	120 / 576
1821(15)	PLNT98	EDZW	Information of tropical storms, North Atlantic (during the season)		120 / 576
1834(12)	PPOE89	EDZW	H+24 (GME) MSL pressure (1)	NA	120 / 576
1847(12)	PPOI89	EDZW	H+48 (GME) MSL pressure (1)	NA	120 / 576
1900(12)	PPOL89	EDZW	H+84 (GME) MSL pressure (1)	NA	120 / 576
1913(12)	PJXE88	EDZW	H+24 (GSM), Sea and swell, Wind (10 m)	NA	120 / 576
1913(12)*	PPNE98	EDZW	H+00, H+24 (GME) MSL pressure, wind (10 m)	AC	120 / 576
1926(12)	PJXI88	EDZW	H+48 (GSM), Sea and swell, Wind (10 m)	NA	120 / 576
1926(12)*	PHNA50	EDZW	Analysis (GME) 500 hPa H	AC1	120 / 576
1939(12)	PJXK88	EDZW	H+72 (GSM), Sea and swell, Wind (10 m)	NA	120 / 576
1939(12)*	PPNI98	EDZW	H+36, H+48 (GME) MSL pressure, wind (10 m)	AC	120 / 576
1948(12)*	PRNE85	EDZW	H+24 (GME) 850 hPa, 700 hPa U	AC	120 / 576
2000(12)*	PRNG85	EDZW	H+36 (GME) 850 hPa, 700 hPa U	AC	120 / 576
2012(12)*	PPNM98	EDZW	H+72, H+96 (GME) MSL pressure, wind (10 m)	AC	120 / 576
2024(12)*	PJXE88	EDZW	H+24 (GSM) sea and swell, wind direction, direction of swell	NA	120 / 576
2036(12)*	PJXI88	EDZW	H+48 (GSM) sea and swell, wind direction, direction of swell	NA	120 / 576
2048(12)*	PJXK88	EDZW	H+72 (GSM) sea and swell, wind direction, direction of swell	NA	120 / 576
2100(12)	PIAA88	EDZW	Ice conditions chart North-West Atlantic (2)	NT2, NT3	120 / 576
2115(15)	QIMA88	EDZW	Ice conditions chart West Baltic Sea (4)(5)	BQ2	120 / 576
2137(12)	QJOI88	EDZW	H+48 wave prediction	NT4	120 / 576
2200(18)	QPOA89	EDZW	Surface weather chart (1)	NA	120 / 576

Footnotes:
* If required during the arctic summer times.

(1) If the manually modified chart is not available then the automatically processed chart will be broadcast where the heading "ii" = "98" in¬stead of "ii" = "89"
(2) Issued by: Canadian Ice Service Ottawa or USCG International Ice Patrol
(3) Issued by: "Bundesamt fuer Seeschiffahrt und Hydrographie"
(4) Irregularly, only if required because of the ice conditions
(5) Rebroadcast of Norrkoping (ESWI) transmissions

Notes:
Abbreviations used in column 'Contents' have the following meaning:
GME = Global model (31 layers, 60 km)
H = Contour lines (gpdam)
MSL = Mean sea level
T = IsothermC
U = Relative humidity (%)

Web Link: http://www.dwd.de/de/wir/Geschaeftsfelder/Seeschifffahrt/Sendeplaene/Sendeplaene.htm

GREECE

CCCC: LGAT
Region: VI

Station Name: Olympia

METAREA: III

Area Covered: Mediterranean

Date: 20/02/2008

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
4 481 kHz		F3C	white +350 Hz, black -350 Hz	8.0 kW	0845-1044
8 105 kHz		F3C	white +350 Hz, black -350 Hz	8.0 kW	0845-1044

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
A	S. Europe, Mediterranean, Black Sea: 49°N-23°W; 45°N-42°E; 23°N-7°W; 21°N-35°E	Polar stereographic	
B	Mediterranean: 58°N-3°W; 40°N-44°E; 33°N-3°W; 25°N-31°E	Polar stereographic	
C	Aegean: 42°N-23°E; 38°N-32°E; 36°N-20°E; 32°N-28°E	Polar stereographic	

III. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0845(06)		LGAT	Surface analysis	A	120/576
0857(06)		LGAT	24 hour surface prognosis	A	120/576
0909(06)		LGAT	48 hour surface prognosis	A	120/576
0921(12)		LGAT	30 hour wave height prognosis	B	120/576
0933(12)		LGAT	36 hour wave height prognosis	B	120/576
0945(12)		LGAT	42 hour wave height prognosis	B	120/576
1009(12)		LGAT	30 hour wave height prognosis	C	120/576
1021(12)		LGAT	36 hour wave height prognosis	C	120/576
1033(12)		LGAT	42 hour wave height prognosis	C	120/576
1044(12)		LGAT	48 hour wave height prognosis	C	120/576

Web Link:

HAWAII (U.S.)

CCCC:
Region: V

Station Name: Honolulu, Hawaii, USA

METAREA: XII

Area Covered: East Pacific

Date: 24/01/2011

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
9982.5 kHz	KVM70	F3C	-	4 KW	0519-1556
11090 kHz	KVM70	F3C	-	4 KW	ALL BROADCAST TIMES
16135 kHz	KVM70	F3C	-	4 KW	1719-0356

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
1.	20N - 70N, 115W - 135E		Ocean Prediction Center
2.	20N - 70N, 115W - 175W		Ocean Prediction Center
3.	20N - 70N, 175W - 135E		Ocean Prediction Center
4.	18N - 62N, EAST OF 157W		Ocean Prediction Center
5.	05N - 55N, EAST OF 180W		Ocean Prediction Center
A.	30S - 50N, 110W - 130E		Honolulu Forecast Office
B.	30S - 30N, 110W - 130E		Honolulu Forecast Office
C.	EQ - 50N, 110W - 130E		Honolulu Forecast Office
D.	30S - 50N, 110W - 160E		Honolulu Forecast Office
E.	EQ - 40N, 80W - 170E		Honolulu Forecast Office
F.	EQ - 55N, 110W - 160E		Honolulu Forecast Office
G.	05S - 55N, 110W - 155E		Honolulu Forecast Office
H.	40S - 05N, 130W - 165E		Honolulu Forecast Office
Y.	05N - 32N, EAST OF 130W		National Hurricane Center
Z.	20S - 30N, EAST OF 145W		National Hurricane Center

III. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0519/1719			TEST PATTERN		120/576
0524/1724			SIGNIFICANT CLOUD FEATURES	D	120/576
0535/1735			CYCLONE DANGER AREA	E	120/576
0555/1755			STREAMLINE ANALYSIS	B	120/576
0615/1815			SURFACE ANALYSIS	C	120/570
0635/1835			EAST PACIFIC GOES IR SATELLITE IMAGE	G	120/576
0649/1849			SW PACIFIC GOES IR SATELLITE IMAGE	H	120/576
0701/1901			24HR SURFACE FORECAST	A	120/576
0714/1914			48HR SURFACE FORECAST	A	120/576
0727/1927			72HR SURFACE FORECAST	A	120/576
0740/1940			WIND/WAVE ANALYSIS	B	120/576
0753/1953			24HR WIND/WAVE FORECAST	B	120/576
0806/2006			24HR WIND/WAVE FORECAST	4	120/576
0816/2016			48HR SURFACE FORECAST	1	120/576
0826/2026			48HR WIND/WAVE FORECAST	1	120/576
0836/2036			48/96HR WAVE PERIOD,SWELL DIRECTION	1	120/576
0846/2046			rebroadcast/ 96HR SURFACE FORECAST	1	120/576
0856/2056			rebroadcast/ 96HR WIND/WAVE FORECAST	1	120/576
0906/2106			PACIFIC GOES IR SATELLITE IMAGE	5	120/576
0917/2117			SURFACE ANALYSIS (PART 1 NE PACIFIC)	2	120/576
0930/2130			SURFACE ANALYSIS (PART 2 NW PACIFIC)	3	120/576
0943/2143			TROPICAL GOES IR SATELLITE IMAGE	Y	120/576
0954/2154			TROPICAL SURFACE ANALYSIS	Z	120/576
1008/2208			24HR TROPICAL WIND/WAVE FORECAST	Z	120/576
1042/2242			CYCLONE DANGER AREA	E	120/570
1102/2302			48HR WIND/WAVE FORECAST	B	120/576
1115/2315			72HR WIND/WAVE FORECAST	B	120/576
1128/2328			SEA SURFACE TEMPS	F	120/576
1141/2341			rebroadcast 24HR WIND/WAVE FORECASTS	B	120/576
1154/2354			STREAMLINE ANALYSIS	B	120/576
1214/0014			SURFACE ANALYSIS	C	120/576
1234/0034			EAST PACIFIC GOES IR SATELLITE IMAGE	G	120/576
1248/0048			SW PACIFIC GOES IR SATELLITE IMAGE	H	120/576
1300/0100			SCHEDULE PART I		120/576
1320/0120			SCHEDULE PART II		120/576
1340/0140			SYMBOLS OR PRODUCT NOTICE BULLETIN		120/576
1400/0200			24HR TROPICAL SURFACE FORECAST	Z	120/576

HAWAII (U.S.)

CCCC:
Region: V

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
1410/0210			48HR TROPICAL SURFACE FORECAST	Z	120/576
1420/0220			72HR TROPICAL SURFACE FORECAST	Z	120/576
1430/0230			48/72HR TROPICAL WAVE PERIOD,SWELL DIR	Z	120/576
1440/0240			TROPICAL SEA STATE ANALYSIS	Z	120/576
1450/0250			rebroadcast 24HR TROPICAL WIND/WAVE FORECASTS	Z	120/576
1500/0300			48HR TROPICAL WIND/WAVE FORECAST	Z	120/576
1510/0310			72HR TROPICAL WIND/WAVE FORECAST	Z	120/576
1520/0320			rebroadcast/SEA STATE ANALYSIS	1	120/576
1530/0330			SURFACE ANALYSIS(PART 1 NE PAC)	2	120/576
1543/0343			SURFACE ANALYSIS(PART 2 NW PAC)	3	120/576
1556/0356			TROPICAL SURFACE ANALYSIS	Z	120/576

NOTES:
STREAMLINES ARE LINES OF CONSTANT WIND DIRECTION.
WIND SPEEDS ARE GIVEN BY WIND BARBS INDEPENDENT OF STREAMLINES.
THE SIGNIFICANT CLOUD FEATURES CHARTS DEPICT CLOUD FEATURES BASED UPON IMAGES FROM THE VARIOUS GEOSTATIONARY AND POLAR ORBITING SATELLITES OVER THE PACIFIC.
ABBREVIATIONS ON THESE CHARTS INCLUDE:
AC - ALTOCUMULUS; AS - ALTOSTRATUS; BKN - BROKEN; CB - CUMULONIMBUS; CC - CIRROCUMULUS;CI - CIRRUS; CS - CIRROSTRATUS; CU - CUMULUS; FEW - FEW; ISOL - ISOLATED;LYRS - LAYERS; NS - NIMBOSTRATUS; OVC - OVERCAST; SC - STRATO-CUMULUS; SCT - SCATTERED; TCU - TOWERING CUMULUS; TSTM – THUNDERSTORM.
RADIOFAX FREQUENCIES ARE ASSIGNED FREQUENCIES. TO CONVERT TO CARRIER FREQUENCIES, SUBTRACT 1.9 KHZ FROM THE ASSIGNED FREQUENCIES.
YOU MAY ADDRESS COMMENTS ABOUT THIS BROADCAST TO:
Meteorologist In Charge
National Weather Service
2525 Correa Rd.
Honolulu, HI 96822
PHONE: (808) 973-5270/FAX: (808) 973-5281
E-Mail norman.hui@noaa.gov
Many of these charts also broadcast via Pt. Reyes, CA and Kodiak, AK
If you have access to the World Wide Web be certain to check out the following webpages. See these pages for further links.
http://www.nws.noaa.gov NWS Homepage
http://www.nws.noaa.gov/om/marine/home.htm NWS Marine Page
cell.weather.gov (WAP/WML browser required) Cellphone page
mobile.weather.gov Mobile Page

Web Link: http://weather.noaa.gov/pub/fax/hfhi.txt

INDIA

CCCC: DEMS
Region: II

Station Name: New Delhi

METAREA: VIII(N)

Area Covered: Region II (Asia) (SEE MAP)

Date: 2006

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
7 404.9 kHz	ATP 57	B9W	white +400 Hz, black -400 Hz	10 kW	1430-0230
14 842.0 kHz	ATP 65	B9W	white +400 Hz, black -400 Hz	10 kW	0230-1430

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
A	45°N-30°E; 45°N-125°E; 25°S-30°E; 25°S-125°E	Mercator	1: 20.000.000
B	40°N-30°E; 40°N-125E; 0°-30°E; 0°-125°E	Mercator	1: 20.000.000
E	60°N-25°E; 60°N-120°E; 0°-25°E; 0°-120°E	Mercator	1: 20.000.000
F	25°N-55°E; 25°N-100°E; 0°-55°E; 0°-100°E	Mercator	1: 20.000.000
H	67.5°N-0°; 67.5°N-180°E; 15°S-0°; 15°S-180°E	Mercator	1: 20.000.000

III. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0011(18) 0634(00) 1820(12) 1211(06)		DEMS	Surface analysis	A	120/576
0030(12) 1230(00)		DEMS	24 hour 250 hPa wind & temperature prognosis	H	120/576
0050(12) 1248(00)		DEMS	24 hour 500 hPa wind & temperature prognosis	H	120/576
0110(12) 1306(00)		DEMS	24 hour 850 hPa wind & temperature prognosis	H	120/576
0130(18)		DEMS	Significant weather prognosis for period 0300-1500	B	120/576
0150(12)		DEMS	ECMWF(1) 96 hour 500 hPa forecast	A	120/576
0210(12) 1400(00)		DEMS	24 hour 400 hPa wind & temperature forecast	H	120/576
0238(12) 1342(00)		DEMS	24 hour 300 hPa wind & temperature forecast	H	120/576
0300(12) 1506(00)		DEMS	24 hour 700 hPa wind & temperature forecast	H	120/576
0320(12) 1430(00)		DEMS	24 hour 200 hPa wind & temperature forecast	H	120/576
0340(12) 1448(00)		DEMS	24 hour 150 hPa wind & temperature forecast	H	120/576
0400(12)		DEMS	ECMWF(1) 48 hour 200 hPa wind forecast	A	120/576
0420(12)		DEMS	ECMWF(1) 72 hour 500 hPa forecast	A	120/576
0440		DEMS	7 day mean Sea Surface Temperature	F	120/576
0600(12)		DEMS	Infra-red satellite image	F	120/576
0622 1810		DEMS	Test chart	-	120/576
0654(00) 1910(12)		DEMS	850 hPa upper air analysis	A	120/576
0714(00) 1928(12)		DEMS	700 hPa upper air analysis	A	120/576
0734(00) 1946(12)		DEMS	500 hPa upper air analysis	A	120/576
0753(00) 2004(12)		DEMS	300 hPa upper air analysis	A	120/576
0812(00) 2022(12)		DEMS	Surface prognosis	A	120/576
0834(00)		DEMS	Significant weather prognosis for period 0900-2100	B	120/576
0856(00) 2100(12)		DEMS	200 hPa upper air analysis	A	120/576
0916(00) 2118(12)		DEMS	850-500 hPa thickness	A	120/576
0936(00) 2223(12)		DEMS	500 hPa upper air prognosis	A	120/576
1005(00) 2205(12)		DEMS	Digital significant weather received from Tokyo	-	120/576
1025(00) 2241(12)		DEMS	300 hPa upper air prognosis	A	120/576
1055(00) 2259(12)		DEMS	250 hPa upper air prognosis	A	120/576
1115(00) 2317(12)		DEMS	200 hPa upper air prognosis	A	120/576
1135(00) 2335(12)		DEMS	Tropopause/maximum wind prog	A	120/576
1153(00) 2353(12)		DEMS	100 hPa upper air prognosis	A	120/576
1324(06)		DEMS	Significant weather prognosis for period 1500-0300	B	120/576
1342(00)		DEMS	24 hour 300 hPa wind & temperature prog	H	120/576
1430(00)		DEMS	24 hour 200 hPa wind & temperature prog	H	120/576
1448(00)		DEMS	24 hour 150 hPa wind & temperature prog	H	120/576
1506(00)		DEMS	24 hour 700 hPa wind & temperature forecast	H	120/576
1840(12)		DEMS	850 hPa relative vorticity	E	120/576

INDIA

CCCC: DEMS
Region: II

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
2040(12)		DEMS	Significant weather prognosis for period 2100-0900	-	120/576
2136(12)		DEMS	500 hPa relative vorticity	E	120/576

Notes:
(a) Carrier Frequency is 1.9 kHz below the assigned frequency.
(b) Reported inoperative (Jan 2004).

(1) ECMWF = European Centre for Medium-range Weather Forecasts.

Web Link:

ITALY

CCCC: LIIB
Region: VI

Station Name: Roma

METAREA: III

Area Covered: Europe, North Africa and Near East

Date: 2006

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
4.777,5 kHz	IMB51	F3C	white +400 Hz, black -400 Hz	5 kW	H24
8 146,6 kHz	IMB55	F3C	white +400 Hz, black -400 Hz	5 kW	H24
13.597,5 kHz	IMB56	F3C	white +400 Hz, black -400 Hz	5 kW	H24

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
B	52°N-31°W; 45°N-61°E; 24°N-10°W; 21°N-37°E	Polar Stereographic	1: 20.000.000
B1	52°N-31°W; 45°N-61°E; 24°N-10°W; 21°N-37°E	Polar Stereographic	1: 15.000.000
D	49°N- 25°W; 49°N-45°E; 28°N-10°W; 28°N-30°E	Polar Stereographic	1: 15.000.000
E	54°N-90°W; 54°N-90°E; 17°N-27°W; 17°N-27°E	Polar Stereographic	1: 40.000.000
I1	50°N-05°E; 50°N-20°E; 35°N-05°E; 35°N-20°E	Mercator	1: 4.000.000
M	51°N-46°W; 56°N-60°E; 25°N-17°W; 27°N-33°E	Polar Stereographic	1: 15.000.000
S	45°N-06°W; 41°N-39°E; 29°N-01°W; 26°N-31°E	Polar Stereographic	1: 10.000.000

III. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0048(12) 0654(18) 1248(18) 1900(06)		LIIB	FL 390, 340, 300, 240, 180, 100, 50 significant weather prognosis	M	120/576
0248(12) 0848(18) 1448(00)2048(06)		LIIB	FL 100-450 significant weather and troppopause / maximum wind prognosis	M	120/576
0345(12) 1555(00)		LIIB	Test chart / FL 100-450 significant weather and tropopause / maximum wind prognosis (if no broadcasts at 0248(12) 0848(18) 1448(00) 2048(06)	B1	120/576
0400(00) 1700(12)		LIIB	Area D: 3 hour pressure change followed by Area B:500 hPa analysis	D/B	120/576
0415(00)		LIIB	Surface analysis (summer time)	B1	120/576
0425(00) 1810(12)		LIIB	Freezing level analysis followed by 850 hPa analysis	B	120/576
0437(03) 1200(09) 1745(15) 2252(21)		LIIB	Italy	I1	120/576
0457(00)		LIIB	Surface analysis (standard time)	B1	120/576
0510(00) 1715(12)		LIIB	700 hPa and 300 hPa analysis	B	120/576
0522(00) 1730(12)		LIIB	200 hPa tropopause / maximum wind prognosis	B	120/576
0535(12) 1140(18) 1630(00) 2240(06)		LIIB	Significant weather at low level prognosis	I1	120/576
0859(06)		LIIB	36 hour 500 hPa prognosis	E	120/576
0906(00)		LIIB	48 hour 500 hPa prognosis	E	120/576
0913(00)		LIIB	72 hour 500 hPa prognosis	E	120/576
0920(00)		LIIB	96 hour 500 hPa prognosis	E	120/576
0927(00)		LIIB	120 hour 500 hPa prognosis	E	120/576
1000(18) 2335(06)		LIIB	Test chart/FL 100-450 Sigwx & tropopause / max wind prog (if no broadcasts at 0248(12) 0848(18) 1448(00) 2048(06)	B1	120/576
1030(06) 2322(18)		LIIB	Area B: 24 hour pressure change followed by Area D:3 hour pressure change	B/D	120/576
1045(06)		LIIB	Surface analysis	B1	120/576
1153(12) 2230(00)		LIIB	Mediterranean sea state prognosis	S	120/576
1645(12) 2312(18)		LIIB	Surface analysis	B	120/576

Notes:
SW TMW: Tempo significativo + tropopausa e vento massimo;
FZRL: freezing level; SWL: tempo significativo bassi livelli;
AU: analisi in quota; FU: prevista in quota;
AS: analisi al suolo; FS: prevista al suolo,
DP: tendenza barometrica
SW TMW: Tempo significativo + tropopausa e vento massimo;
FZRL: freezing level; SWL: tempo significativo bassi livelli;
AU: analisi in quota; FU: prevista in quota;
AS: analisi al suolo;
FS: prevista al suolo,
DP: tendenza barometrica.

Web Link:

JAPAN

CCCC: RJTD
Region: II

Station Name: Kagoshima

METAREA: XI

Area Covered: 90°N,40°E - 10°S,40°E - 10°S,130°W - 90°N,130°W

Date: 15/06/2010

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
3 622.5 kHz	JMH	F3C	white +400 Hz, black -400 Hz	5 kW	H24
7 795 kHz	JMH 2	F3C	white +400 Hz, black -400 Hz	5 kW	H24
13 988.5 kHz	JMH 4	F3C	white +400 Hz, black -400 Hz	5 kW	H24

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
A'	38°12'N- 85°54'E; 50°36'N-177°12'E 12°24'N-110°42'E; 17°24'N-157°12'E	Polar stereographic	1:25,000,000 true at 60°N (21 cm x 31 cm)
c	26°30'N- 62°00'E; 51°00'N-152°00'W 05°00'S-106°00'E; 02°00'N-160°00'E	Polar stereographic	1:42,000,000 true at 60°N (28cm x 34 cm)
C	26°30'N- 62°00'E; 51°00'N-152°00'W 05°00'S-106°00'E; 02°00'N-160°00'E	Polar stereographic	1:20,000,000 true at 60°N (46 cm x 56 cm)
C'	38°30'N- 65°30'E; 38°30'N-145°30'W 01°00'S-112°30'E; 01°00'S-167°00'E	Polar stereographic	1:20,000,000 true at 60°N (46 cm x 56 cm)
C"	37°30'N- 67°00'E; 39°00'N-147°36'W 01°00'S-112°24'E; 00°30'S-166°42'E	Polar stereographic	1:20,000,000 true at 60°N (46 cm x 56 cm)
k	60°00'N-100°00'E; 60°00'N-180°00'E 00°00'N-100°00'E; 00°00'N-180°00'E	Mercator	1:34,770,000 true at 35°N (46 cm x 49 cm)
L	Sea of Okhotsk; northern parts of Sea of Japan; Bo Hai; & adjacent waters of North Pacific	Polar stereographic	1:10,000,000 true at 60°N (46 cm x 28 cm)
L'	48°30'N-151°12'E; 49°12'N-140°00'E 40°24'N-149°12'E; 41°00'N-140°00'E	Polar stereographic	1:5,000,000 true at 60°N (21 cm x 30 cm)
X	47°00'N-116°36'E; 45°42'N-149°24'E 22°36'N-122°06'E; 22°00'N-141°36'E	Polar stereographic	1:6,000,000 true at 60°N (45 cm x 55 cm)

III. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0000(12)	FSAS07	RJTD	Retransmission of 2200	c	
0000(12)	FSAS04	RJTD	Retransmission of 2200	c	120/576
0020(12)	FSAS09	RJTD	96H Surface pressure, precipitation prog.	C	120/576
0040(12)	FSAS12	RJTD	120H Surface pressure, precipitation prog.	C	120/576
0103(12), 1303		RJTD	Test chart		120/576
0110(00), 1310(12)		RJTD	Meteorological satellite picture (MTSAT)	C'	120/576
0130	STPN	RJTD	Retransmission of 1019	L	120/576
0130(00)	FIOH04/16	RJTD	Retransmission of 1019	L'	
0150 (00)(1), 1350 (12)(1)	WTAS07	RJTD	Tropical cyclone forecast	C'	120/576
0210 (2)	SOPQ	RJTD	Sea surface current, water temperature at 100m depth	k	120/576
0229 (3)		RJTD	Radio prediction		120/576
0240(00), 1440(12)	ASAS	RJTD	Surface anal.	C'	120/576
0300 (2)	COPQ1	RJTD	Sea surface water temp.	k	120/576
0320(00)	ASAS	RJTD	The first retransmission of 0240	C'	120/576
0340	MANAM	RJTD	JMH broadcast schedule and manual amendments		120/576
0400(00)(6), 1540(12)(6)	WTAS12	RJTD	Tropical cyclone forecast	C'	120/576
0421(00)	AWPN	RJTD	Ocean wave anal.	C"	120/576
0440(00), 1719 (12)	AWJP	RJTD	Coastal wave anal.	X	120/576
0459(00), 1640(12)	AUAS50	RJTD	500hPa height, temp.	C	120/576
0518(00), 1700(12)	AUAS85	RJTD	850hPa height, temp., dew point depression	C	120/576
0537(00)	FSFE02	RJTD	24H Surface pressure, precipitation prog.	A'	
0537(00), 1739(12)	FUFE502	RJTD	24H 500hPa height, vorticity prog.	A'	120/576
0548(00)	FSAS24	RJTD	24H Surface pressure, wind, fog, icing, sea ice prog.	C'	120/576
0610(00)(1)	WTAS07	RJTD	Retransmission of 0150	C'	120/576
0630(00)	FSAS07	RJTD	72H Surface pressure, precipitation prog.	c	
0630(00)	FSAS04	RJTD	48H Surface pressure, precipitation prog.	c	120/576
0651(00)	FWPN	RJTD	24H Ocean wave prog.	C"	120/576
0710(06), 1910(18)		RJTD	Meteorological satellite picture (MTSAT)	C'	120/576
0730(00)	FWJP	RJTD	24H Coastal wave prog.	X	120/576
0750 (06)(1), 1950 (18)(1)	WTAS07	RJTD	Tropical cyclone forecast	C'	120/576
0809(00)	FUFE503	RJTD	36H 500hPa height, vorticity prog.	A'	120/576
0809(00), 1810(12)	FSFE03	RJTD	36H Surface pressure, precipitation prog.	A'	
0820(00), 2100(12)	FSAS48	RJTD	48H Surface pressure, wind, icing, sea ice prog.	C'	120/576
0840(06), 2040(18)	ASAS	RJTD	Surface anal.	C'	120/576
0900(06)(6), 2140(18)(6)	WTAS12	RJTD	Tropical cyclone forecast	C'	120/576
0920(06)	ASAS	RJTD	The first retransmission of 0840	C'	120/576
0940(00)	FSAS04	RJTD	Retransmission of 0630	c	120/576

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0940(00)	FSAS07	RJTD	Retransmission of 0630	c	
1000(00)	FSAS48	RJTD	Retransmission of 0820	C'	120/576
1019 (00)(5)	FIOH04/16	RJTD	48H and 168H Sea ice condition prog. (seasonal)	L'	
1019 (4)	STPN	RJTD	Sea ice condition (seasonal)	L	120/576
1040(00)	FSAS24	RJTD	Retransmission of 0548	C'	120/576
1100(00)	AWPN	RJTD	Retransmission of 0421	C"	120/576
1119(00)	AWJP	RJTD	Retransmission of 0440	X	120/576
1140(00)	FWPN	RJTD	Retransmission of 0651	C"	120/576
1200(06)(1)	WTAS07	RJTD	Retransmission of 0750	C'	120/576
1220(00)	FWPN07	RJTD	72H Ocean Wave prog.	C"	120/576
1240(00)	FXFE572	RJTD	24H 500hPa temp., and 700hPa dew point depression prog.	A'	120/576
1240(00)	FXFE782	RJTD	24H 850hPa temp., wind and 700hPa vertical P-velocity prog.	A'	
1251(00)	FXFE783	RJTD	36H 850hPa temp., wind and 700hPa vertical P-velocity prog.	A'	
1251(00)	FXFE573	RJTD	36H 500hPa temp., and 700hPa dew point depression prog.	A'	120/576
1330(00)	FWJP	RJTD	Retransmission of 0730	X	120/576
1420 (2)	SOPQ	RJTD	Retransmission of 0210	k	120/576
1520(12)	ASAS	RJTD	The first retransmission of 1440	C'	120/576
1600(2)	COPQ1	RJTD	Retransmission of 0300	k	120/576
1620(12)	AWPN	RJTD	Ocean wave anal.	C''	120/576
1739(12)	FSFE02	RJTD	24H Surface pressure, precipitation prog.	A'	
1750(12)(1)	WTAS07	RJTD	Retransmission of 1350	C'	120/576
1810(12)	FUFE503	RJTD	36H 500hPa height, vorticity prog.	A'	120/576
1821(12)	FXFE572	RJTD	24H 500hPa temp., and 700hPa dew point depression prog.	A'	120/576
1821(12)	FXFE782	RJTD	24H 850hPa temp., wind and 700hPa vertical P-velocity prog.	A'	
1832(12)	FXFE783	RJTD	36H 850hPa temp., wind and 700hPa vertical P-velocity prog.	A'	
1832(12)	FXFE573	RJTD	36H 500hPa temp., and 700hPa dew point depression prog.	A'	120/576
1850(12)	FWPN07	RJTD	12, 24, 48, 72H Ocean Wave prog.	C"	120/576
1930(12)	FSAS24	RJTD	24H Surface pressure, wind, fog, icing, sea ice prog.	C'	120/576
2010 (12) (1)	FWJP	RJTD	24H Coastal Wave prog.	X	120/576
2120(18)	ASAS	RJTD	The first retransmission of 2040	C'	120/576
2200(12)	FSAS04	RJTD	48H Surface pressure, precipitation prog.	c	120/576
2200(12)	FSAS07	RJTD	72H Surface pressure, precipitation prog.	c	
2220 (12)	AWJP	RJTD	Retransmission of 1719	X	120/576
2240(18)(1)	WTAS07	RJTD	Retransmission of 1950	C'	120/576
2300(12)	FSAS24	RJTD	Retransmission of 1930	C'	120/576
2320 (12) (1)	FWJP	RJTD	Retransmission of 2010	X	120/576
2340(12)	FSAS48	RJTD	Retransmission of 2100	C'	120/576

JAPAN

CCCC: RJTD
Region: II

NOTES:
1. Alternating black and white signals with frequency of 300 Hz will be transmitted for 10 seconds prior to the phasing signal.
2. Phasing signals will be transmitted for 30 seconds prior to transmission of each chart.
3. Stop signals will be transmitted for 20 seconds after transmission of each chart.

(1) In case of tropical cyclone.
(2) Every Tuesday and Friday.
(3) On the 20th and 21st of each month.
(4) Every Tuesday and Friday (seasonal). Retransmission: at 0130 on the next day.
(5) Every Wednesday and Saturday (seasonal). Retransmission: at 0130 on the next day.
(6) If a tropical cyclone is expected to exist in 4 days.

Web Link: http://www.kishou.go.jp/177jmh/JMH-ENG.pdf

KENYA

CCCC: HKNC
Region: I

Station Name: Nairobi

METAREA: VIII(S)

Area Covered:

Date: 09/06/2003

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
9 043 kHz	5YE 1	F3C	white/black +or- 400 Hz	10 kW	H24
17 445.6 kHz	5YE 2	F3C	white/black +or- 400 Hz	10 kW	H24

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
A	30°N-30°S; 05°W-70°E	Mercator	1: 15.000.000 at 22°30'
B	55°N-35°S; 20°W-90°E		1: 25.000.000 at 22°30'
C	22°N-02°S; 25°E-60°E		1: 7.500.000 at 22°30'
D	30°N-30°S; 15°E-70°E		1: 15.000.000 at 22°30'
E	20°N-30°S; 30°E-70°E		1: 15.000.000 at 22°30'

III. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0010(12) 0600(18) 1037(00) 1742(06)		HKNC	Sigwx FL250	B	120/576
0100(00)		HKNC	Sigwx below FL240 (1200) - Form No. 585A	B	120/576
0140(12)		HKNC	Tabular forecast - Form No. 2053	B	120/576
0540(18) 2350(12)		HKNC	SIGWX FL100-250	B	120/576
0630 0645		HKNC	Climate outlook	-	120/576
0800(12)		HKNC	Sigwx below FL240 - Form No.585A	-	120/576
0830(8)		HKNC	Test chart	-	120/576
0844(00 2055(12)		HKNC	FL180 prognostic	B	120/576
0903(00) 2114(12)		HKNC	FL300 prognostic	B	120/576
0922(00) 2133(12)		HKNC	FL340 prognostic	B	120/576
0941(00) 2152(12)		HKNC	FL390 prognostic	B	120/576
1017(00) 2350(12)		HKNC	Sigwx FL100-250	A	120/576
1057(06)		HKNC	Surface analysis	D	120/576
1112 1653(12)		HKNC	850 HPA upper-air analysis	B	120/576
1127(06) 1455(12)		HKNC	24-hour change of pressure	D	120/576
1142 1802(12)		HKNC	H+24 surface prognosis	B	120/576
1210 1820(12)		HKNC	FL100 upper-air analysis	D	120/576
1229 1839(12)		HKNC	FL180 upper-air analysis	D	120/576
1248 1858(12)		HKNC	FL300 upper-air analysis	D	120/576
1307 1917(12)		HKNC	FL340 upper-air analysis	D	120/576
1326 1936(12)		HKNC	FL390 upper-air analysis	B	120/576
1345(06) 1708(12)		HKNC	Indian Ocean analysis	E/B	120/576
1376(12) 1430(12)		HKNC	Low level convergence zone	C	120/576
1600(06)		HKNC	Sigwx FL250 (segment)	A	120/576
1638(12)		HKNC	Surface analysis	D	120/576

NOTE
(a) Changes to the schedule will be transmitted at 0830 in place of the normal test chart

Within a radius of 3 000 miles from Nairobi

Web Link:

NEW ZEALAND

CCCC: NZKL
Region: V

Station Name: Wellington (Transmitting station: Auckland)

METAREA: XIV

Area Covered: 30N - 60S, 140E - 120W

Date: 01/05/2002

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
16 340.1 kHz	ZKLF	F3C	white +400 Hz, black -400 Hz	5 kW	2145-0500
13 550.5 kHz	ZKLF	F3C	white +400 Hz, black -400 Hz	5 kW	H24
9 459 kHz	ZKLF	F3C	white +400 Hz, black -400 Hz	5 kW	H24
5 807 kHz	ZKLF	F3C	white +400 Hz, black -400 Hz	5 kW	H24
3 247.4 kHz	ZKLF	F3C	white +400 Hz, black -400 Hz	5 kW	0945-1700

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
SWP	SW Pacific		
TNZ	Tasman Sea - New Zealand		

III. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0000(00) 1200(12)		NZKL	Southwest Pacific 30 hour surface prognosis (MSL)	SWP	120/576
0100(00) 1300(12)		NZKL	Southwest Pacific 48 hour surface prognosis (MSL)	SWP	120/576
0200(00) 1400(12)		NZKL	Southwest Pacific 72 hour surface prognosis (MSL)	SWP	120/576
0300(00) 0900(06) 1600(12) 2100(18)		NZKL	TASMAN-NEW ZEALAND MSL analysis	TNZ	120/576
0400(00) 1000(06) 1600(12) 2200(18)		NZKL	Southwest Pacific MSL analaysis	SWP	120/576
1100 2300		NZKL	Transmission schedule	-	-

Single transmitter used. Times reflect broadcast times at 5807 kHz
Add 15 minutes for 9459 kHz, 30 minutes for 13550.5 kHz and 45 minutes for 3247.4 and 16340.1 kHz

Web Link:

REPUBLIC OF KOREA

CCCC: RKSL
Region: II

Station Name: Meteorological Radio Transmission Station

METAREA: XI

Area Covered:

Date: 12/10/2009

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
5 857.5 kHz	HLL2	F3C	white +400 Hz, black -400 Hz	3 kW	24H
3 585 kHz	HLL2	F3C	white +400 Hz, black -400 Hz	3 kW	1200-0000
7 433.5 kHz	HLL2	F3C	white +400 Hz, black -400 Hz	3 kW	24H
13 570 kHz	HLL2	F3C	white +400 Hz, black -400 Hz	3 kW	0000-1200
9 165 kHz	HLL2	F3C	white +400 Hz, black -400 Hz	3 kW	24H

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
A	1.1N, 84E; 39.7N, 41.9E; 6.5N, 156.8E; 55.1N, 199.4E	Lambert Conformal Conic	
B	16.3N, 100.7E; 49.5N, 82.6E; 17.8N, 145.5E; 52.4N, 160.4E	Lambert Conformal Conic	
C	20N-50N; 115-150E	Lambert Conformal Conic	

III. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0000-0030; 0600-0630; 1200-1230; 1500-1530, 1800-1830		RKSL	Special weather report	-	120/576
0033-0046; 1233-1246; 1833-1846		RKSL	Sea-shore weather observation report	-	120/576
0047-0200; 0647-0700, 1247-1300; 1847-1900		RKSL	Fishery weather observation report	-	120/576
0100-0113		RKSL	MANAM	-	120/576
0133-0146; 0333-0346; 0633-0646		RKSL	Lighthouse weather observation repoort	-	120/576
0147-0200; 0447-0500; 0747-0800; 1047-1100, 1347-1400; 1647-1700; 1947-2000; 2247-2300		RKSL	Surface analysis Far East	B	120/576
0200-0213; 0800-0813; 1400-1413; 2000-2013		RKSL	Warning typhoon report (1)	-	120/576
0214-0230; 0814-0828; 2014-2030		RKSL	General weather conditions report	-	120/576
0314-0327; 0914-0927; 1547-1600; 2114-2127		RKSL	Lighthouse sign weather observation report	-	120/576
0400-0411; 1600-1611		RKSL	Surface analysis Asia	A	120/576
0500-0512; 1700-1712		RKSL	500 hPa upper-air weather chart	A	120/576
0513-0525; 1713-1725		RKSL	850 hPa upper-air weather chart	A	120/576
0526-0538; 1726-1738		RKSL	700 hPa upper-air weather chart	A	120/576
0539-0551; 1739-1751		RKSL	300 hPa upper-air weather chart	A	120/576
0700-0713; 1900-1913		RKSL	Wave height and sea surface wind forecast (12 hour)	C	120/576
0714-0727; 1914-1927		RKSL	Wave height and sea surface wind forecast (24 hour)	C	120/576
0728-0741; 1928-1941		RKSL	Wave height and sea surface wind forecast (36 hour)	C	120/576
0828-0845; 1530-1547		RKSL	SST observation chart of near Korean peninsula area (7 day average)	-	120/576
0846-0900; 2046-2100		RKSL	Main sea-shore weather forecast for ship route	-	120/576
0900-0913; 2100-2113		RKSL	Sea forecast	-	120/576
0933-0946; 2133-2146		RKSL	Lighthouse weather observation report (3)	-	120/576
0947-1000; 2147-2200		RKSL	Weekly sea weather forecast	-	120/576
2233-2246		RKSL	Lighthouse weather observation report (2)	-	120/576

NOTES:
1. In case of typhoon.
2. November to April.
3. May to September.
4. Alternating black and white signals with frequency of 300 hz will be transmitted for 10 seconds prior to the phasing signal.
5. Phasing signals will be transmitted for 30 seconds prior to transmission of each chart.
6. Stop signals will be transmitted for 15 seconds after each transmission.
7. "Tsunami warning" is broadcast without delay.

Web Link:

RUSSIAN FEDERATION (EUROPE)

CCCC: RUMS
Region: VI
METAREA: I
Date: 2006

Station Name: Murmansk

Area Covered: Arctic Coast - North Atlantic to Barents Sea. Basic coverage area is for Barents Sea.

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
7 907 kHz		F3C	-	-	1900-0600
8 444 kHz		F3C	-	-	
6 446 kHz		F3C	-	-	H24

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
A	67°N 032°W, 53°N 047°E, 72°N 074°E, 51°N 004°W		1: 5,000,000
B	79°N 010°E, 74°N 010°E, 79°N 040°E, 74°N 040°E	Mercator	1: 3,000,000
C	78°N 010°E, 66°N 010°E, 78°N 070°E, 66°N 070°E	Mercator	1: 5,000,000

III. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0700(00)		RUMS	36 hour surface prognosis	A	120/576
0800(06)		RUMS	Sea state analysis	C	120/576
1400(12)		RUMS	Analysis of iceberg positions for past 24 hours	C	120/576
1400(12)		RUMS	Surface temperature analysis / Iceberg positions	B	120/576
1430(12)		RUMS	24 hour sea state prognosis	C	120/576
1850		RUMS	Broadcast schedule	-	90/576
2000		RUMS	Iceberg prognosis	-	120/576

(1) Basic coverage area is for Barents Sea.

Web Link:

RUSSIAN FEDERATION (IN ASIA)

CCCC: RUMS
Region: II

Station Name: Pevek

METAREA: ARCTIC

Area Covered: Arctic Coast

Date: 2006

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
148 kHz	-	F3C	-	-	H24

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

III. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0530-0730		RUMS	Ice	-	90/576
1130-1330		RUMS	Ice	-	90/576
1430-1630		RUMS	Ice	-	90/576

Web Link:

SENEGAL

CCCC: GOOY
Region: I

Station Name: Dakar

METAREA: II

Area Covered: 35°N-15°S, 30°E-30°W (SEE MAP)

Date: 2006

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
13 667.5 kHz	6VU	F3C	-	10 kW	H24
19750 kHz	6VU	F3C	white +400 Hz, black -400 Hz	10 kW	H24
4 790.5 kHz	6VU	F3C	white +400 Hz, black -400 Hz	5 kW	H24

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
A	35°N.35°W; 35°N.22°30'E; 0°.35°W; 0°.22°30'E	Mercator	1: 15.000.000
B	55°N.30°W; 55°N.40°E; 55°S.30°W; 5°S.40°E	Mercator	1: 15.000.000
C	40°N.3'°W; 40°N.33°E; 20°S.30°W; 20°N.33°E	Mercator	1: 20.000.000

III. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0100(12), 1300(00)		GOOY	18 hour significant weather prog	B	60/576
0340(00)		GOOY	Test chart	A	120/576
0400(00), 1600(12)		GOOY	Surface analysis	A	120/576
0445(00), 1645(12)		GOOY	850 hPa analysis	A	120/576
0500(00), 1700(12)		GOOY	700 hPa analysis	A	120/576
0515(00), 1715(12)		GOOY	300 hPa analysis	A	120/576
0530(00), 1730(12)		GOOY	250 hPa analysis	A	120/576
0545(18), 1745(06)		GOOY	18 hour significant weather prog	C	60/576
0615(00), 1815(12)		GOOY	200 hPa analysis	A	120/576
0630(00), 1830(12)		GOOY	500 hPa analysis	A/B	120/576
0700(18), 1900(06)		GOOY	18 hour significant weather prog	B	60/576
0740, 1940		GOOY	Test chart 120/576	B	-
0820(00) 2020(12)		GOOY	24 hour upper-air prognosis (FL 180)	B	120/576
0840(00) 2040(12)		GOOY	24 hour upper-air prognosis (FL 300)	B	120/576
0900(00), 2100(12)		GOOY	24 hour upper-air prognosis (FL 340)	B	120/576
0920(00), 2120(12)		GOOY	24 hour upper-air prognosis (FL 390)	B	120/576
0940(00), 2140		GOOY	Test chart	-	120/576
1000(06, 2200(18)		GOOY	Surface analysis	A	120/576
1040, 2240		GOOY	Test chart	-	120/576
1145(00), 2345(12)		GOOY	18 hour significant weather prog	C	60/576
1240		GOOY	Test chart	C	120/576

SENEGAL

CCCC: GOOY
Region: I

Web Link:

SOUTH AFRICA

CCCC: FAPR
Region: I

Station Name: Cape Naval (NAVCOMCEN Cape)

METAREA: VII

Area Covered:

Date: 01/04/2008

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
13 538 kHz	ZSJ	F3C	-	10 kW	H24
18 238 kHz	ZSJ	F3C	-	10 kW	0600-1600
4 014 kHz	ZSJ	F3C	-	10 kW	1600-0600
7 508 kHz	ZSJ	F3C	-	10 kW	H24

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
AIAA	30°E to 30°W; Antarctic coast to edge of Pack Ice	Polar stereographic	
ASZA	0°.20°W; 0°.70°E; 60°S.50°W; 60°S.90°E (Shipping chart)	Lambert's Conical Orthomorphic	
FSZA / FUZA	05°S.15°W; 05°S.60°E; 60°S.15°W; 60°S.60°E (forecast area for numerical model)	Mercator	

III. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0430		FAPR	Schedule	-	120/576
0500(00) 1530(12)		FAPR	Surface analysis (shipping)	ASZA	120/576
0630(12)		FAPR	Upper-air prognosis (previous day's run)	FUZA	120/576
0730(12)		FAPR	Surface prognosis (previous day's run)	FSZA	120/576
0800		FAPR	Antarctic ice limits. Information updated every two weeks from the National Icenter Centre (US) (1).	AIAA	120/576
0930 1700		FAPR	RTTY (Radio-telex) forecast for the coastal waters and synopsis forecasts for the high seas.	-	-
1030(06) 2230(18)		FAPR	Surface analysis (shipping)	ASZA	120/576
1100(00)		FAPR	Surface prognosis	FSZA	120/576

Note: Due to operational requirements, broadcasts may be adjusted without notification.

(1) Only broadcast between October and March.

Web Link: http://www.weathersa.co.za/Marine/FrequencyShipFCBroadcast.jsp

STATIONS OPERATED BY ARGENTINA

CCCC: SABM
Region: VII

Station Name: Centro Meteorológico Base Marambio

METAREA: ANTARCTICA

Area Covered: Antarctic area and surroundings

Date: 2006

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
9 951 kHz	LSB	F3C	white +400 Hz, black -400 Hz	-	
2 401 kHz	LSB	F3C	white +400 Hz, black -400 Hz	-	
4 807 kHz	LSB	F3C	white +400 Hz, black -400 Hz	-	

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
A	10°S-90°S All longitudes	Polar Stereographic	

III. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0025(21) 1225(09)		SABM	Surface analysis	A	120/576
0325(00) 1525(12)		SABM	Surface analysis et nephanalysis	A	120/576
2030		SABM	24 hour wave height forecast	A	120/576

Web Link:

STATIONS OPERATED BY CHILE

CCCC: SCSC
Region: VII

Station Name: Centro Meteorológico Presidente Eduardo Frei Montalva

METAREA: ANTARCTICA

Area Covered: Antarctic area and surroundings

Date: 2006

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
15 470 kHz	CAN 6D	-	white +400 Hz, black -400 Hz	1 kW	
11 662.5 kHz	CAN 6D	-	white +400 Hz, black -400 Hz	1 kW	
15 470 kHz	CAN 6D	-	white +400 Hz, black -400 Hz	1 kW	

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
A	Southern hemisphere	Polar Stereographic	

III. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0930 2130		SCSC	Forecast chart	A	120/576
1530(12)		SCSC	Surface chart and satellite picture	A	120/576
2130(18)		SCSC	Surface chart and satellite picture	A	120/576

Web Link:

THAILAND

CCCC: VTBB
Region: II
METAREA: XI
Date: 2006

Station Name: Bangkok (Nonthaburi) Meteorological

Area Covered: West Pacific Sea of Japan. Gulf of Thailand, West coast of southern Thailand, Strait of Malacca and South China Sea (see map)

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
7 395 kHz	HSW64	3J3	± 3kHz	10 kW	

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
A	50°N-45°E; 50°N-160°E; 30°S-45°E; 30°S-160°E	Mercator	1: 20.000.000

III. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0050		VTBB	Test chart	A	120/576
0100(00) 0400(03) 0700(06) 1000(09) 1300(112) 1700(17) 2300(17)		VTBB	Forecast for shipping in English plain language	A	120/576
0120(12)		VTBB	Surface pressure forecast based on ECMF 1200	A	120/576
0140(18) 0500(00) 1020(06) 1720(12) 2320(18)		VTBB	Surface analysis	A	120/576
0200		VTBB	Broadcast schedule	A	120/576
0300(12) 0720(12)		VTBB	24 hour surface pressure forecast	A	120/576
0320(12) 0740(12)		VTBB	48 H surface pressure forecast based on ECMF 1200	A	120/576
0340(12)		VTBB	72 H surface pressure forecast based on ECMF 1200	A	120/576
0420(12) 0820(12)		VTBB	24 H 850 hPa (wind/temp) forecast based on ECMF 1200	A	120/576
0520(00)		VTBB	850 hPa analysis	A	120/576
0540(00)		VTBB	700 hPa analysis	A	120/576
0600(00)		VTBB	500 hPa analysis	A	120/576
0800(12)		VTBB	72 hour surface pressure forecast	A	120/576

Web Link:

UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND

CCCC: EGRR
Region: VI

Station Name: Northwood

METAREA: I

Area Covered: North Atlantic (Central and Eastern areas), North-west Europe and the Mediterranean area

Date: 20/05/2009

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

	Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
Gulf	6 834 kHz	GYA GYA GYA	-	-	-	1800-0800
Gulf	18 261 kHz	GYA GYA GYA	-	-	-	0800-1800
North Atlantic	2 618.5 kHz	GYA GYA GYA	-	-	-	2000-0600
North Atlantic	4 610 kHz	GYA GYA GYA	-	-	-	H24
North Atlantic	8 040 kHz	GYA GYA GYA	-	-	-	H24
North Atlantic	11 086.5 kHz	GYA GYA GYA	-	-	-	0600-2000

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
A	54°N-82°W; 26°N-45°W; 54°N.51°E; 285°N-12°E	North Atlantic	
B	40°30'N-15°30'E; 40°30'N-80°E; 3°N-15°30'E; 3°N-80°E	Gulf	

III. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0000(18), 1200(06)		EGRR	Surface analysis	A	120/576
0012(18), 1212(06)		EGRR	24 hour surface prognosis	A	120/576
0024(18), 1224(06)		EGRR	24 hour 850 hPa WBPT/PPTN	A	120/576
0036(18), 1236(06)		EGRR	24 hour air temperature / dew point	A	120/576
0048(12), 1248(00)		EGRR	Ship Ice Accretion	A	120/576
0100, 1300		EGRR	Schedule	A	120/576
0106, 1306		EGRR	Schedule	B	120/576
0118 1318		EGRR	Request for reception quality reports	B	120/576
0124 1324		EGRR	Request for reception quality reports	A	120/576
0136, 1336		EGRR	Ocean fronts	A	120/576
0142		EGRR	Symbology	B	120/576
0148(18), 1348(06)		EGRR	300 hPa geopotential height analysis	A	120/576
0212		EGRR	Symbology	A	120/576
0236(00), 1436(12)		EGRR	Surface analysis	A	120/576
0300(00), 1500(12)		EGRR	Surface analysis	A	120/576
0306(00), 1506(12)		EGRR	Surface analysis	B	120/576
0348(04), 1548(16)		EGRR	Gale warning summary	A	120/576
0354(00), 1554(12)		EGRR	Streamline analysis	B	120/576
0400(00), 1600(12)		EGRR	Surface analysis	A	120/576
0406(00), 1606(12)		EGRR	Surface analysis	B	120/576
0412(00), 1612(12)		EGRR	24 hour air temperature / dew point	A	120/576
0418(00), 1618(12)		EGRR	24 hour 700 hPa WBPT/PPTN	B	120/576
0424(00), 1624(12)		EGRR	24 hour 850 hPa WBPT / PPTN	A	120/576
0430(00), 1630(12)		EGRR	24 hour air temperature / dew point	B	120/576
0436(00), 1636(12)		EGRR	24 hour surface prognosis	A	120/576
0442(00), 1642(12)		EGRR	24 hour surface prognosis	B	120/576
0448(06), 1648(18)		EGRR	SCEXA TAFS	A	120/576
0454(03), 1654(15)		EGRR	Gulf TAFS	B	120/576
0500(00), 1700(12)		EGRR	Surface analysis	A	120/576
0506(00), 1706(12)		EGRR	Surface analysis	B	120/576
0512(00), 1712(12)		EGRR	24 hour surface prognosis	A	120/576
0518(00), 1718(12)		EGRR	24 hour surface prognosis	B	120/576
0524(00), 1724(12)		EGRR	48 hour surface prognosis	A	120/576
0530(00), 1730(12)		EGRR	48 hour surface prognosis	B	120/576
0536(06), 1736(18)		EGRR	SCEXA TAFS	A	120/576
0542(06), 1742(18)		EGRR	Gulf TAFS	B	120/576
0548(06), 1748(18)		EGRR	Gale warning summary	A	120/576

UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND

CCCC: EGRR
Region: VI

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0600		EGRR	NWEXAS TAFS	A	120/576
0600(00), 1800(12)		EGRR	Surface analysis	A	120/576
0606(00), 1806(12)		EGRR	Surface analysis	B	120/576
0612(00), 1812(12)		EGRR	24 hour surface prognosis	A	120/576
0618(00), 1818(12)		EGRR	24 hour surface prognosis	B	120/576
0648(07), 1848(19)		EGRR	SCEXA TAFS	A	120/576
0654(06), 1854(18)		EGRR	Gulf TAFS	B	120/576
0700(07), 1900(19)		EGRR	Spare SCEXA TAFS	A	120/576
0706, 1906		EGRR	Spare TAFS	B	120/576
0712(00), 1912(12)		EGRR	24 hour significant wind prognosis	A	120/576
0718(00), 1918(12)		EGRR	24 hour significant wind prognosis	B	120/576
0724(00), 1924(24)		EGRR	48 hour surface prognosis	A	120/576
0730(00), 1930(12)		EGRR	48 hour surface prognosis	B	120/576
0736(00), 1936(12)		EGRR	72 hour surface prognosis	A	120/576
0742(00), 1942(12)		EGRR	72 hour surface prognosis	B	120/576
0748(00), 1948(12)		EGRR	96 hour surface prognosis	A	120/576
0754(00), 1954(12)		EGRR	96 hour surface prognosis	B	120/576
0800(00), 2000(12)		EGRR	120 hour surface prognosis	A	120/576
0806(00), 2006(12)		EGRR	120 hour surface prognosis	B	120/576
0812(00), 2012(12)		EGRR	Thickness/Geopotential height analysis	A	120/576
0818(00), 2018(12)		EGRR	Thickness/Geopotential height analysis	B	120/576
0824(00), 2024(12)		EGRR	48 hour surface prognosis	A	120/576
0830(00), 2030(12)		EGRR	48 hour surface significant winds	B	120/576
0836(00), 2036(12)		EGRR	72 hour significant winds	A	120/576
0842(00), 2042(12)		EGRR	72 hour surface significant winds	B	120/576
0848(00), 2048(12)		EGRR	96 hour significant winds	A	120/576
0854(00), 2054(12)		EGRR	96 hour surface significant winds	B	120/576
0900(06), 2100(18)		EGRR	Surface analysis	A	120/576
0906(00), 2106(12)		EGRR	Thickness/geopotential height analysis	B	120/576
0912(00), 2112(12)		EGRR	Thickness/Geopotential height analysis	A	120/576
0924(00), 2124(12)		EGRR	24 hour thickness / geopotential height analysis	A	120/576
0936(00), 2136(12)		EGRR	24 hour 850 hPa spot winds	A	120/576
0942(00), 2142(12)		EGRR	24 hour 850 hPa winds	B	120/576
0948(00), 2148(12)		EGRR	24 hour 700 hPa spot winds	A	120/576
1000(06), 2200(18)		EGRR	Surface analysis	A	120/576
1006(00), 2206		EGRR	Sea surface temperature	B	120/576
1012(06), 2212(18)		EGRR	24 hour surface prognosis	A	120/576
1024(06), 2224(18)		EGRR	24 hour reduced visibility	A	120/576

UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND

CCCC: EGRR
Region: VI

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
1036(06), 2236(18)		EGRR	24 hour 850 hPa wet bulb potential temperature/precipitation	A	120/576
1042(00), 2242(18)		EGRR	24 hour 700 hPa WBPT/PPT	B	120/576
1048(06), 2248(18)		EGRR	24 hour air temperature / dew point	A	120/576
1054(06), 2254(18)		EGRR	24 hour air temperature / dew point	B	120/576
1100(06), 2300(18)		EGRR	Surface analysis	A	120/576
1112(06), 2312(18)		EGRR	24 hour surface prognosis	A	120/576
1124(06), 2324(18)		EGRR	24 hour sea and swell	A	120/576
1130(06), 2330(18)		EGRR	24 hour sea and swell prognosis	B	120/576
1136(00), 2336(12)		EGRR	24 hour thickness / geopotential height analysis	A	120/576
1148(00), 2348(12)		EGRR	Gale warning summary	A	120/576
1400(00)		EGRR	12 hour sea surface temperature	A	120/576
1824		EGRR	NWEXAS TAFS	A	120/576

Abbreviations used:
WBPT - Wet bulb potential temperature
PPTN - Precipitation

Notes:
1. Normally three frequencies are in operation at any time. Users should note that transmission of the carrier is turned off between each transmission.
2. Other products to meet the requirements of the Royal Navy, are included in the broadcast, but not listed above.
3. The broadcast from Northwood is maintained to meet the requirements of the Royal Navy. Consequently the broadcast is subject to change or withdrawal without notice

Web Link:

UNITED STATES OF AMERICA

CCCC: KWBC
Region: IV

Station Name: Pt. Reyes, California

METAREA: XII

Area Covered: Pacific Coast

Date: 10/01/2011

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
4346 kHz	NMC	F3C	-	4 KW	0140-1608
8682 kHz	NMC	F3C	-	4 KW	ALL BROADCAST TIMES
12786 kHz	NMC	F3C	-	4 KW	ALL BROADCAST TIMES
17151.2 kHz	NMC	F3C	-	4 KW	ALL BROADCAST TIMES
22527 kHz	NMC	F3C	-	4 KW	1840-2356

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
1.	20N - 70N, 115W - 135E		
10.	0N - 40N, 80W - 180W		
2.	20N - 70N, 115W - 175W		
3.	20N - 70N, 175W - 135E		
4.	20S - 30N, EAST OF 145W		
5.	05N - 55N, EAST OF 180W		
6.	23N - 60N, EAST OF 150W		
7.	05N - 32N, EAST OF 130W		
8.	18N - 62N, EAST OF 157W		
9.	40N - 53N, EAST OF 136W		

III. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
------/1842		KWBC	SST ANALYSIS	9	120/576
------/1852		KWBC	SST ANALYSIS	6	120/576
------/2033		KWBC	96HR 500MB FORECAST	1	120/576
------/2043		KWBC	96HR SURFACE FORECAST	1	120/576
------/2053		KWBC	96HR WIND/WAVE FORECAST	1	120/576
------/2103		KWBC	96HR WAVE PERIOD/SWELL DIRECTION	1	120/576
------/2356		KWBC	TROPICAL 72HR WAVE PERIOD/SWELL DIR	4	120/576
0140/1400		KWBC	TEST PATTERN		120/576
0143/1403		KWBC	NE PACIFIC GOES IR SATELLITE IMAGE	6	120/576
0154/1414		KWBC	PACIFIC GOES IR SATELLITE IMAGE	5	120/576
0205/1425		KWBC	TROPICAL SEA STATE ANALYSIS	4	120/576
0215/1435		KWBC	TROPICAL 48HR SURFACE FORECAST	4	120/576
0225/------		KWBC	TROPICAL 48HR WIND/WAVE FORECAST	4	120/576
0235/------		KWBC	TROPICAL 72HR WIND/WAVE FORECAST	4	120/576
0245/1445		KWBC	500MB ANALYSIS	1	120/576
0255/1455		KWBC	SEA STATE ANALYSIS, WIND/WAVE ANALYSIS	1/8	120/576
0305/1505		KWBC	PRELIM SURFACE ANALYSIS (PART 1 NE PAC)	2	120/576
0318/1518		KWBC	PRELIM SURFACE ANALYSIS (PART 2 NW PAC)	3	120/576
0331/1531		KWBC	FINAL SURFACE ANALYSIS(PART 1 NE PAC)	2	120/576
0344/1544		KWBC	FINAL SURFACE ANALYSIS(PART 2 NW PAC)	3	120/576
0357/1557		KWBC	CYCLONE DANGER AREA* or HIGH WIND/WAVES	10	120/576
0408/1608		KWBC	TROPICAL SURFACE ANALYSIS	4	120/576
0655/1840		KWBC	TEST PATTERN		
0657/------		KWBC	2033Z REBROADCAST (96HR 500MB)	1	120/576
0707/------		KWBC	2043Z REBROADCAST (96HR SURFACE)	1	120/576
0717/------		KWBC	2053Z REBROADCAST (96HR WIND/WAVE)	1	120/576
0727/------		KWBC	2103Z REBROADCAST (96HR WAVE PERIOD)	1	120/576
0737/1902		KWBC	TROPICAL GOES IR SATELLITE IMAGE	7	120/576
0748/1913		KWBC	WIND/WAVE ANALYSIS	8	120/576
0758/1923		KWBC	24HR 500MB FORECAST	1	120/576
0808/1933		KWBC	24HR SURFACE FORECAST	8	120/576
0818/1943		KWBC	24HR WIND/WAVE FORECAST	8	120/576
0828/1953		KWBC	48HR 500MB FORECAST	1	120/576
0838/2003		KWBC	48HR SURFACE FORECAST	1	120/576
0848/2013		KWBC	48HR WIND/WAVE FORECAST	1	120/576
0858/2023		KWBC	48HR WAVE PERIOD/SWELL DIRECTION	1	120/576
0908/2113		KWBC	PACIFIC GOES IR SATELLITE IMAGE	5	120/576

UNITED STATES OF AMERICA

CCCC: KWBC
Region: IV

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0919/2124		KWBC	SURFACE ANALYSIS (PART 1 NE PACIFIC)	2	120/576
0932/2137		KWBC	SURFACE ANALYSIS (PART 2 NW PACIFIC)	3	120/576
0945/2150		KWBC	TROPICAL SURFACE ANALYSIS	4	120/576
0959/2204		KWBC	TROPICAL 24HR WIND/WAVE FORECAST	4	120/576
1009/2214		KWBC	CYCLONE DANGER AREA* or HIGH WIND/WAVES	10	120/576
1120/2320		KWBC	TEST PATTERN		120/576
1124/2324		KWBC	BROADCAST SCHEDULE (PART 1)		120/576
1135/2335		KWBC	BROADCAST SCHEDULE (PART 2)		120/576
1146/------		KWBC	REQUEST FOR COMMENTS		120/576
1157/------		KWBC	PRODUCT NOTICE BULLETIN		120/576
1208------		KWBC	TROPICAL 48HR WIND/WAVE FORECAST	4	120/576
1218/------		KWBC	TROPICAL 72HR WIND/WAVE FORECAST	4	120/576
1228/2346		KWBC	TROPICAL 48HR WAVE PERIOD/SWELL DIR	4	120/576

* Tropical Cyclone Danger Area chart replaced by 48HR High Wind/Wave Warning chart Dec 01 - May 14 Valid times 00z,06z,12z and 18z.

NOTES:
1. CARRIER FREQUENCY IS 1.9 kHz BELOW THE ASSIGNED FREQUENCY
Please send comments regarding Please send comments regarding the quality of these charts to: the quality of this broadcast to:
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MARINE FORECAST BRANCH W/NP41 USCG CAMSPAC
5200 AUTH ROAD 17000 SIR FRANCIS DRAKE BLVD.
CAMP SPRINGS, MD 20746 P.O. Box 560
PHONE: (301) 763-8000 x 7401 PT. REYES STATION, CA 94956-0560
FAX: (301) 763-8085 (877) 662-4636 (415)669-2047
EMAIL: Anthony.Siebers@noaa.gov D11-PF-CAMSPACCWO@USCG.MIL
Many of these charts also broadcast from Kodiak, AK and Honolulu, HI
If you have access to the World Wide Web be certain to check out the following webpages. See these pages for further links.
http://www.nws.noaa.gov NWS Homepage
http://www.nws.noaa.gov/om/marine/home.htm NWS Marine Page
cell.weather.gov (WAP/WML browser required) Cellphone page
mobile.weather.gov Mobile Page

Web Link: http://weather.noaa.gov/pub/fax/hfreyes.txt

UNITED STATES OF AMERICA

CCCC: KWBC
Region: IV

Station Name: Boston, Massachusetts (USCG)

METAREA: IV

Area Covered: North Atlantic to Barents Sea

Date: 1/2/2012

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
4235 kHz	NMF	F3C	-	4 KW	0230z-1039
6340.5 kHz	NMF	F3C	-	4 KW	ALL BROADCAST TIMES
9110 kHz	NMF	F3C	-	4 KW	ALL BROADCAST TIMES
12750 kHz	NMF	F3C	-	4 KW	1400z-2239

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
1.	28N-52N, 45W-85W		
2.	18N-65N, 10E-45W		
3.	18N-65N, 40W-95W		
4.	18N-65N, 10E-95W		
5.	20N-55N, 55W-95W		
6.	EQ-60N, 40W-130W		
7.	05N-60N, 0W-100W		
8.	22N-51N, 40W-98W		

III. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
----/1443		KWBC	PRODUCT NOTICE BULLETIN		120/576
----/1453		KWBC	PRELIMINARY SURFACE ANALYSIS	1	120/576
----/1503		KWBC	SATELLITE IMAGE	5	120/576
----/1600		KWBC	ICE CHART (REBROADCAST)		120/576
----/1720		KWBC	TEST PATTERN		120/576
----/1759		KWBC	SEA STATE ANALYSIS	4	120/576
----/1810		KWBC	SPARE OR EXPERIMENTAL	?	120/576
----/2025		KWBC	PRELIMINARY SURFACE ANALYSIS	1	120/576
----/2035		KWBC	96 HR 500MB FORECAST	4	120/576
----/2045		KWBC	96 HR SURFACE FORECAST	4	120/576
----/2055		KWBC	96 HR WIND/WAVE FORECAST	4	120/576
----/2105		KWBC	96 HR WAVE PERIOD FORECAST	4	120/576
----/2115		KWBC	(REBROADCAST OF 2045)	4	120/576
0230/1400		KWBC	TEST PATTERN		120/576
0233/----		KWBC	PRELIMINARY SURFACE ANALYSIS	1	120/576
0243/1405		KWBC	BROADCAST SCHEDULE (PART 1)		120/576
0254/1420		KWBC	BROADCAST SCHEDULE (PART 2)		120/576
0305/1433		KWBC	REQUEST FOR COMMENTS		120/576
0315/1515		KWBC	WIND/WAVE ANALYSIS	8	120/576
0325/1525		KWBC	SURFACE ANALYSIS (PART 1 NE ATLANTIC)	2	120/576
0338/1538		KWBC	SURFACE ANALYSIS (PART 2 NW ATLANTIC)	3	120/576
0351/----		KWBC	SATELLITE IMAGE	5	120/576
0402/1723		KWBC	(REBROADCAST OF 0325/1525)	2	120/576
0415/1736		KWBC	(REBROADCAST OF 0338/1538)	3	120/576
0428/1749		KWBC	500MB ANALYSIS	4	120/576
0438/----		KWBC	ICE CHART (REBROADCAST)		120/576
0452/1824		KWBC	CYCLONE DANGER AREA* or HIGH WIND/WAVES	7	120/576
0745/1900		KWBC	TEST PATTERN		120/576
0755/----		KWBC	PRELIMINARY SURFACE ANALYSIS	1	120/576
0805/1905		KWBC	24HR SURFACE FORECAST	8	120/576
0815/1915		KWBC	24HR WIND/WAVE FORECAST	8	120/576
0825/1925		KWBC	24HR 500MB FORECAST	4	120/576
0835/1935		KWBC	36HR 500MB FORECAST	4	120/576
0845/1945		KWBC	48HR 500MB FORECAST	4	120/576
0855/1955		KWBC	48HR SURFACE FORECAST	4	120/576
0905/2005		KWBC	48HR WIND/WAVE FORECAST	4	120/576
0915/2015		KWBC	48HR WAVE PERIOD FORECAST	4	120/576

UNITED STATES OF AMERICA

CCCC: KWBC
Region: IV

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0925/2125		KWBC	SURFACE ANALYSIS (PART 1 NE ATLANTIC)	2	120/576
0938/2138		KWBC	SURFACE ANALYSIS (PART 2 NW ATLANTIC)	3	120/576
0951/2151		KWBC	SATELLITE IMAGE	6	120/576
1002/2202		KWBC	(REBROADCAST OF 0925/2125)	2	120/576
1015/2215		KWBC	(REBROADCAST OF 0938/2138)	3	120/576
1028/2228		KWBC	CYCLONE DANGER AREA* or HIGH WIND/WAVES	7	120/576
1039/2239		KWBC	REBROADCAST/N American Ice Service Chart		120/576

* Tropical Cyclone Danger Area chart replaced by 48HR High Wind/Wave Warning chart Dec 01 - May 14 Valid times 00z,06z,12z and 18z, Map area 05N-40N, 35W-100W.

NOTES:
1. CARRIER FREQUENCY IS 1.9 kHz BELOW THE ASSIGNED FREQUENCY.
Please send comments regarding Please send comments regarding the quality of these charts to:the quality of this broadcast to:

NATIONAL WEATHER SERVICE/NOAA
COMMANDING OFFICER
MARINE FORECAST BRANCH
W/NP41 USCG CAMSLANT
5200 AUTH ROAD
4720 DOUGLAS A. MUNRO RD.
CAMP SPRINGS, MD 20746
CHESAPEAKE, VA 23322-2598
PHONE: (301) 763-8000 x 7401(800) 742-8519 (757)421-6240
FAX:(301) 763-8085 Camslant
CWO's@camslant.uscg.mil
EMAIL: Anthony.Siebers@noaa.gov

Tropical cyclone charts also broadcast from New Orleans, LA

If you have access to the World Wide Web be certain to check out the following webpages. See these pages for further links.

http://www.nws.noaa.gov - NWS Homepage
http://www.nws.noaa.gov/om/marine/home.htm - NWS Marine Page
cell.weather.gov (WAP/WML browser required) - Cellphone page
mobile.weather.gov - Mobile Page

Web Link:

UNITED STATES OF AMERICA

CCCC: KWBC
Region: IV

Station Name: New Orleans, Louisiana (USCG)

METAREA: IV

Area Covered: Gulf coast

Date: 24/02/2009

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
4317.9 kHz	NMG	F3C		4 KW	ALL BROADCAST TIMES
8503.9 kHz	NMG	F3C		4 KW	ALL BROADCAST TIMES
12789.9 kHz	NMG	F3C		4 KW	ALL BROADCAST TIMES
17146.4 kHz	NMG	F3C		4 KW	1200-2045

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
1.	5S - 50N, 55W - 125W		
2.	5S - 50N, 0W - 70W		
3.	0N - 31N, 35W - 100W		
4.	12S - 44N, 28W - 112W		
5.	7N - 31N, 35W - 98W (AREA COVERED BY TEXT FORECAST)		
6.	05N - 60N, 0W - 100W		

III. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
------ /1350		KWBC	36 HR WIND/WAVE FORECAST	3	120/576
------/2025		KWBC	BROADCAST SCHEDULE		120/576
0000/1200		KWBC	TEST PATTERN		120/576
0005/1205		KWBC	U.S./TROPICAL SURFACE ANALYSIS (W HALF)	1	120/576
0020/1220		KWBC	TROPICAL SURFACE ANALYSIS (E HALF)	2	120/576
0035/1235		KWBC	(REBROADCAST OF 1835/0635)	3	120/576
0045/1245		KWBC	(REBROADCAST OF 1845/0645)	3	120/576
0055/1255		KWBC	(REBROADCAST OF 1855/0655)	3	120/576
0105/1305		KWBC	(REBROADCAST OF 1905/0705)	3	120/576
0115/1315		KWBC	(REBROADCAST OF 1915/0715)	3	120/576
0125/1325		KWBC	(REBROADCAST OF 1925/0725)	3	120/576
0135/1335		KWBC	CYCLONE DANGER AREA* or 48 HR HIGH WIND/WAVES	6	120/576
0150/------		KWBC	(REBROADCAST OF 0825)	3	120/576
0200/1400		KWBC	GOES IR TROPICAL SATELLITE IMAGE	4	120/576
0215/1415		KWBC	00 HR SEA STATE ANALYSIS	3	120/576
0225/1425		KWBC	REQUEST FOR COMMENTS/PRODUCT NOTICE		120/576
0245/1445		KWBC	HIGH SEAS FORECAST (IN ENGLISH)	5	120/576
0600/1800		KWBC	TEST PATTERN		120/576
0605/1805		KWBC	U.S./TROPICAL SURFACE ANALYSIS (W HALF)	1	120/576
0620/1820		KWBC	TROPICAL SURFACE ANALYSIS (E HALF)	2	120/576
0635/1835		KWBC	24 HR WIND/WAVE FORECAST	3	120/576
0645/1845		KWBC	48 HR WIND/WAVE FORECAST	3	120/576
0655/1855		KWBC	72 HR WIND/WAVE FORECAST	3	120/576
0705/1905		KWBC	24 HR SURFACE FORECAST	3	120/576
0715/1915		KWBC	48 HR SURFACE FORECAST	3	120/576
0725/1925		KWBC	72 HR SURFACE FORECAST	3	120/576
0735/1935		KWBC	CYCLONE DANGER AREA* or 48HR HIGH WIND/WAVES	6	120/576
0750/1950		KWBC	48 HR WAVE PERIOD/SWELL DIRECTION	3	120/576
0800/2000		KWBC	GOES IR TROPICAL SATELLITE IMAGE	4	120/576
0815/2015		KWBC	(REBROADCAST OF 0215/1415)	3	120/576
0825/------		KWBC	72 HR WAVE PERIOD/SWELL DIRECTION	3	120/576
0835/------		KWBC	(REBROADCAST OF 1350)		120/576
0845/2045		KWBC	HIGH SEAS FORECAST (IN ENGLISH)	5	120/576

* Tropical Cyclone Danger Area chart replaced by 48HR High Wind/Wave Warning chart Dec 01-May 14. Valid times 00z, 06z, 12z and 18z. Map area 05N-40N, 35W-100W.

NOTES:
1. CARRIER FREQUENCY IS 1.9 kHz BELOW THE ASSIGNED FREQUENCY
Please send comments regarding Please send comments regarding
the quality of these charts to: the quality of this broadcast to:
NATIONAL HURRICANE CENTER COMMANDING OFFICER
ATTN: CHIEF TAFB USCG CAMSLANT
11691 SOUTHWEST 17TH STREET 4720 DOUGLAS A. MUNRO RD.
MIAMI, FL 33165-2149 CHESAPEAKE, VA 23322-2598
PHONE: (305) 229-4454 (800) 742-8519 (757)421-6240
FAX: (305) 553-1264 David.E.Ringheimer@uscg.mil
EMAIL: Hugh.Cobb@noaa.gov
Tropical cyclone charts also broadcast from Boston, MA
If you have access to the World Wide Web be certain to check out the following webpages. See these pages for further links.
http://www.nws.noaa.gov NWS Homepage
http://www.nws.noaa.gov/om/marine/home.htm NWS Marine Page
cell.weather.gov (WAP/WML browser required) Cellphone page
mobile.weather.gov Mobile Page

Web Link: http://weather.noaa.gov/pub/fax/hfgulf.txt

UZBEKISTAN

CCCC: UTTW
Region: II

Station Name: Tashkent

METAREA: ??

Area Covered:

Date: 2006

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
4 365 kHz	RTH Tashkent	F3C	white +400 Hz, black -400 Hz	5 kW	0300-1500
14 982.5 kHz	RTH Tashkent	F3C	white +400 Hz, black -400 Hz	5 kW	H24
3 690 kHz	RTH Tashkent	F3C	white +400 Hz, black -400 Hz	5 kW	1500-0300
9 340 kHz	RTH Tashkent	F3C	white +400 Hz, black -400 Hz	5 kW	0300-1500
7 570 kHz	RTH Tashkent	F3C	white +400 Hz, black -400 Hz	5 kW	1500-0300

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
M	55°00'N-15°00'E, 55°00'N-105°00'E, 15°00'N-20°00'E, 15°00'N-105°00'W	Polar Stereographic	1: 15.000.000
P	44°55'N-30°21'E, 30°11'N-75°08'E, 27°35'N-41°16'E, 49°25 N-82°03'E	Polar Stereographic	1: 10.000.000
U	45°34'N-36°59'E, 42°54'N-127°30'E, 17°13'N-11°40'E, 16°04'N-80°08'E	Polar Stereographic	1: 24.000.000
V	48°25'N-53°34'E, 47°47'N-80°19'E, 35°38'N-56°35'E, 35°09'N-76°49'E	Polar Stereographic	
X	45°34'N-36°59'W, 43°05'N-127°28'E, 17°17'N-11°36'E, 16°10'N-80°01'E	Polar Stereographic	80°-65°N latitude – 1:37.000.000 65°-55°N latitude – 1:3500.000 55°-45°N latitude – 32.5000.000 45°-35°N latitude – 31.000.000

III. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0005(12), 1230(00)		UTTW	Forecast KWBC	X	90/576
0155(00), 1350(12)		UTTW	Circular chart (RTH Tashkent)	P	60/576
0300(00), (1500(12)		UTTW	Near surface analysis	U	60/576
0345(00)		UTTW	Analysis AT-700	U	90/576
0430(00)		UTTW	Analysis AT-500	U	90/576
0500(03), 1440(12)		UTTW	Nephanalysis	M	90/576
0535(00)		UTTW	Analysis AT-850	U	90/576
0610(00)		UTTW	Analysis AT-300	U	90/576
0755(06), 1905(18)		UTTW	Circular chart (RTH Tashkent)	P	60/576
1005(00)		UTTW	Analysis OT-500-1000	U	90/576
1005(09), 2255(21)		UTTW	Circular chart (RTH Tashkent)	P	60/576
1245(00), 1300(00)		UTTW	Forecast KWBC	X	90/576
1315(00), 2350(12)		UTTW	Forecast KWBC	X	90/576
1655(15)		UTTW	Circular chart (RTH Tashkent)	P	60/576
1930(18)		UTTW	Circular chart (RTH Tashkent)	P	60/576

UZBEKISTAN

CCCC: UTTW
Region: II

Web Link:

CHAPTER 4

METEOROLOGICAL BROADCASTS BY RADIOTELEGRAPHY AND RADIOTELEPHONY

DIFFUSIONS MÉTÉOROLOGIQUES EN RADIOTÉLÉGRAPHIE ET RADIOTÉLÉPHONIE

Chapter 4- Meteorological Broadcasts by Radiotelegraphy and Radiotelephony

This part contains the broadcast schedules of weather and sea bulletins issued throughout the world by radiotelephony and radiotelegraphy, for shipping and other marine use. The following presentation has been adopted for each schedule:

KENYA

Cape Town (ZSC)	**33°53'S 18°30'E**
Gris Nez (CROSS)	**50°52'N 1°35'E**
Irakleio Radio (Crete) (SVH)	**35°20'N 25°7'E**

HKNC

I. TECHNICAL SPECIFICATIONS
CARACTÉRISTIQUES TECHNIQUES

(a)	(b)	(c)	(d)	(e)	(f)
A	8 514 kHz	RT (HF)			Summer
B	Ch 02	VHF	Wicklow Head	52°58'N 6°00'W	H24
C	2 663 kHz	RT (MF)			Jun-Dec

II. CONTENTS OF BROADCAST SCHEDULES
CONTENU DES PROGRAMMES DE DIFFUSION

(a)	(b)	(c)	(d)
A	1300, 2000	In Swedish	Contents of Bulletin
A-C	1000, 1410	In Portuguese	Contents of Bulletin

Explanation of the presentation:

I		**KENYA** CCCC	The schedules are arranged in English alphabetical order of countries, with the name of the country transmitting the broadcast schedule given at the top of the page. **CCCC** – The international four letter location indicator of the centre originating the chart.(see Annex I)
		Cape Town (ZSC) **Gris Nez (CROSS)** **Irakleio Radio (Crete) (SVH)** **Radiodiffusion Télévision Algérienne**	Name of station (call sign) and station position NAVTEX Marine Rescue Co-ordination Centre Other maritime Station Commercial Station
		Area coverage	This column provides the geographical limits of the area covered by the weather forecasts. For warnings, the area affected is specified in the message
II	**(a)**	**A**	Letter used to identify the frequency in the broadcast schedule
	(b)	8 514 kHz	Frequecy used
	(c)	RT (HF)	Mode of Transmission: VHF = Very High Frequency RT (MF) = Radio-Telephone (Medium Frequency) RT (HF) = Radio-Telephone (High Frequency) Radio-Telex = F1B narrow band direct printing
	(d)	Wicklow Head	Remote transmittng site NAME
	(e)	52°58'N 6°00'W	Remote transmittng site POSITION
	(f)	Hours of operation	When appropriate this column indicates the hours of operation, in UTC, of the various frequencies. Any seasonal variations are also shown **eg H24, 0600-1600, Summer, June-December**
II	**(a)**	A A-C	Frequency identifier (see Frequency table II)
	(b)	1300, 2000	Transmission time: This column gives the time at which the broadcast of the bulletin begins, or the times of beginning and ending of the broadcast if both have been specified. When a broadcast (e.g. a storm warning) is repeated several times during the day at fixed hours, the symbol H indicates the whole hours. When the broadcast does not begin exactly on the hour, the minutes are added as follows: H+10. The hours to which H refers are specified, where necessary. The "end of silence period" frequently mentioned under this column or in notes or footnotes referring to this column is H+18, H+48 for morse broadcasts and H+03, H+33 for radiotelephony broadcasts.
	(c)	In English	Language or code form (FM system) used: This column specifies the language used for messages broadcast in clear (plain language), or the FM code number for coded messages. Full information on the FM system of code forms is given in WMO Publication No. 306 - *Manual on Codes*.
	(d)	Contents of the bulletins	This column specifies the contents of the bulletins and provides such information as: subdivision of the bulletin into parts, forecast areas, period of validity of forecast, types of analysis etc., as well as any other clarification on the nature of information broadcast which seems desirable

Annex I - Index of Stations by METAREA

METAREA: ANTARCTICA

STATIONS OPERATED BY ARGENTINA

Centro Meteorológico Base Marambio			C	

STATIONS OPERATED BY CHILE

Bahía Fildes			C	
Centro Meteorológico Presidente Eduardo Frei Montalva			C	

STATIONS OPERATED BY THE U.S.A.

Palmer Station			C	

METAREA: ARCTIC

RUSSIAN FEDERATION (EUROPE)

Arkhangel'sk	A		C	

RUSSIAN FEDERATION (IN ASIA)

Dickson			C	

METAREA: I

AUSTRIA

Radio Österreich International (ORF)				D

BELGIUM

Antwerpen Radio			C	
Oostende	A			
Oostende Radio			C	
Vlaamse Radio en Televisie (VRT - Radio 1)				D

DENMARK

Danmarks Radio				D
Lyngby			C	
Tórshavn Radio (Faeroes)			C	
Utvarp Föroya (Radio Faeroe)			C	

ESTONIA

Tallinn	A		C	

FINLAND

Radio Suomi				D
Radio Vega/Mix				D
Turku (MRCC)		B		

FRANCE

Gris Nez (CROSS)		B		

A=NAVTEX | B= Rescue Coordination Centre | C=Any other station | D=Commercial Station

Jobourg (CROSS) (MRCC)		B		

GERMANY

Bremen Radio (MRCC)		B		
Offenbach (Main)-Hamburg/Pinneberg			C	

GREENLAND (KALAALLIT NUNAAT)

Ammassalik			C	
Kalaalit Nunaata Radio				D

GUERNSEY

Saint Peter Port			C	

ICELAND

Hornafjördur			C	
Isafjördur			C	
Nes Radio (Neskaupstadur)			C	
Reykjavík	A		C	
Siglufjördur			C	
Vestmannaeyjar			C	

IRELAND

Dublin (MRCC)		B		
Malin Head (COAST GUARD MRSC)	A			
Malin Head (MRSC)		B		
Radio Telefis Eireann - Radio 1 (RTE Radio 1)				D
Valentia	A			
Valentia (MRSC)		B		

JERSEY

BBC Radio Jersey				D
Jersey Radio		B		
Saint Helier Pierheads		B	C	

LATVIA

Riga Rescue Radio (MRCC)		B		

LITHUANIA

Klaipeda (Radio 5) Klaipeda State Seaport Authority Harbour Master Office			C	

NETHERLANDS

Den Helder	A			
Netherlands Coastguard Radio		B		
Omroep Zeeland				D
Radio Noord-Holland				D

A=NAVTEX | B= Rescue Coordination Centre | C=Any other station | D=Commercial Station

NORWAY

Bjørnøya			C	
Bjørnøya Meteo Radio			C	
Bodø	A			
Bodø Radio			C	
Florø Radio			C	
Høpen Meteo Radio			C	
Jan Mayen			C	
Jan Mayen Meteo Radio			C	
Norsk Rikskringkasting (Norwegian Broadcasting System)				D
Ørlandet	A			
Rogaland	A			
Rogaland Radio			C	
Svalbard	A			
Svalbard Radio			C	
Tjøme Radio			C	
Vardø	A			
Vardø Radio			C	

POLAND

Polskie Radio				D
Slupsk			C	
Witowo Radio			C	
Zatoka Gdansk - Vessel Traffic Services			C	

RUSSIAN FEDERATION (EUROPE)

Kaliningrad			C	
Murmansk	A		C	

SWEDEN

Bjuröklubb	A			
Gislovshammer	A			
Grimeton	A			
Stockholm			C	
Sveriges Radio Programme 1				D

UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND

Aberdeen (MRCC)		B		
BBC Radio 4				D
Belfast (MRSC)		B		

A=NAVTEX | B= Rescue Coordination Centre | C=Any other station | D=Commercial Station

Brixham (MRSC)		B		
Clyde (MRCC)		B		
Cullercoats	A			
Dover (MRCC)		B		
Falmouth (MRCC)		B		
Forth (MRSC)		B		
Holyhead (MRSC)		B		
Humber (MRCC)		B		
Liverpool (MRSC)		B		
Milford Haven (MRSC)		B		
Niton	A			
Niton (France)	A			
Portland (MRSC)		B		
Portpatrick	A			
Shetland (MRSC)		B		
Solent (MRSC)		B		
Stornoway (MRSC)		B		
Swansea (MRCC)		B		
Thames (MRCC)		B		
Yarmouth (MRCC)		B		

METAREA: II

AZORES (PORTUGAL)

Delgada (MRCC)		B		
Horta	A			
Horta (Radionaval)		B		

BENIN

Cotonou			C	

CANARY ISLANDS (SPAIN)

Las Palmas	A			
Las Palmas (CCR GROUP V)			C	
Las Palmas (MRCC)		B		
Tenerife (CCR)			C	
Tenerife (MRCC)		B		

CONGO

Pointe Noire			C	

A=NAVTEX | B= Rescue Coordination Centre | C=Any other station | D=Commercial Station

COTE D'IVOIRE

Abidjan Radio			C	

FRANCE

Corsen (CROSS) (MRCC)	A	B		
Étel (CROSS) (MRCC)		B		
Radio France / France Inter & France Bleue				D
Radio-France-Internationale				D

GHANA

Tema Radio			C	

GUINEA

Conakry			C	

MADEIRA (PORTUGAL)

Porto Santo (Radionaval)		B		

MOROCCO

Agadir			C	
Casablanca			C	
Dakhla			C	
Radiodiffusion Télévision Marocaine				D
Safi			C	
Tanger			C	

PORTUGAL

Cte. Nunes Ribeiro (Radionaval)		B		
Faro (Radionaval)		B		
Leixões (Radionaval)		B		
Monsanto (Alges)	A			
Monsanto (Radionaval)		B		
Radifusão Portuguesa				D

SPAIN

Algeciras (MRSC)		B		
Bilbao (CCR)			C	
Bilbao (MRCC)		B		
Cádiz (MRSC)		B		
Coruña (CCR)			C	
Coruña (MRSC)	A	B		
Finisterre (MRCC)		B		
Gijón (MRCC)		B		

A=NAVTEX | B= Rescue Coordination Centre | C=Any other station | D=Commercial Station

Santander (MRSC)		B		
Tarifa (MRCC)	A	B		
Vigo (MRSC)		B		

METAREA: III

ALGERIA

Alger Radio			C	
Annaba Radio			C	
Arzew Radio			C	
Bejaia Radio			C	
Ghazouet Radio			C	
Oran			C	
Radiodiffusion Télévision Algérienne				D
Skikda Radio			C	
Tenes Radio			C	

BULGARIA

Varna	A			
Varna Radio			C	

CROATIA

Dubrovnik			C	
Habour Master Office			C	
Rijeka			C	
Split (Hvar I.)	A		C	

CYPRUS

BFBS Radio 1 Cyprus				D
Cyprus	A		C	

EGYPT

El Iskandariya (Alexandria)	A			

FRANCE

La Garde (CROSS) (MRCC)	A	B		

GIBRALTAR

BFBS Gibraltar				D
Gibraltar Broadcasting Corporation				D

GREECE

Irakleio (Crete)	A			
Kerkyra	A			
Limnos	A			

A=NAVTEX | B= Rescue Coordination Centre | C=Any other station | D=Commercial Station

Olympia Radio			C	

GREENLAND (KALAALLIT NUNAAT)

Aasiaat			C	

ISRAEL

Hefa (Haifa)	A		C	

ITALY

Ancona Radio			C	
Augusta	A		C	
Bari			C	
Cagliari	A		C	
Civitavecchia			C	
Crotone			C	
Genova			C	
Lampedusa			C	
Livorno			C	
Mazara del Vallo			C	
Messina			C	
Napoli			C	
Palermo			C	
Porto Torres			C	
Radiotelevisione Italiana-Radiodue				D
Roma	A		C	
San Benedetto del Tronto			C	
Trieste	A		C	

LIBYA

Tarabulus (Tripoli)			C	

MALTA

Malta Radio	A			
Malta Radio (RCC)		B		

MONACO

Monaco			C	

MONTENEGRO

Bar			C	

ROMANIA

Constanta (Constantza) Radio	A		C	

A=NAVTEX | B= Rescue Coordination Centre | C=Any other station | D=Commercial Station

RUSSIAN FEDERATION (EUROPE)

Astrakhan (Caspian Sea)	A			
Novorossiysk	A			

SPAIN

Almería (MRCC)		B		
Barcelona (MRCC)		B		
Cartagena (MRSC)		B		
Castellón (MRSC)		B		
Huelva (MRSC)		B		
Málaga (CCR)			C	
Palamós (MRSC)		B		
Palma (MRCC)		B		
Tarragona (MRSC)		B		
Valencia (Cabo de la Nao)	A			
Valencia (CCR)			C	
Valencia (MRCC)		B		

SYRIAN ARAB REPUBLIC

Al Ladhiqiyah (Latakia)			C	
Tartus (Tartous)			C	

TUNISIA

La Goulette Port			C	
Radio Tunis				D
Tunis			C	

TURKEY

Antalya	A		C	
Istanbul	A		C	
Izmir	A			
Samsun	A		C	
Turkish Radio - Television Corporation				D

UKRAINE

Kerch	A			
Mariupol'			C	
Odesa	A		C	
Sevastopol, Krymskoi			C	

A=NAVTEX | B= Rescue Coordination Centre | C=Any other station | D=Commercial Station

METAREA: IV

BAHAMAS

Radio Bahamas (Broadcasting Corp. of the Bahamas)				D

BARBADOS

Barbados Coast Guard (8PO) (MRSC)		B		
Barbados Rediffusion Service Ltd.				D
Caribbean Broadcasting Corportaion (Radio Barbados)				D

BELIZE

BFBS Radio 1 (Belize)				D
Love FM				D

BERMUDA

Bermuda Harbour	A	B		

CANADA

Churchill (CCG)		B		
Fundy (Yarmouth) (CCG)	A			
Halifax (CCG)		B		
Inuvik (CCG)		B		
Labrador (CCG)	A	B		
Les Escoumins (CCG)		B		
Montréal (CCG)		B		
Placentia (CCG)		B		
Port aux Basques (CCG)		B		
Prescott (Wiarton) (CCG)	A	B		
Québec (CCG)		B		
Resolute (CCG)		B		
Rivière-au-Renard (CCG)	A	B		
Saint Anthony(CCG)		B		
Saint John's, New Brunswick (CCG)		B		
Saint John's, Newfoundland (CCG)	A	B		
Sarnia (CCG)		B		
Sydney (CCG)	A	B		
Thunder Bay (CCG)	A	B		

COSTA RICA

Radio Casino, Limón			C	
Radio Stero Bahía, Limón			C	

A=NAVTEX | B= Rescue Coordination Centre | C=Any other station | D=Commercial Station

CUBA

Cienfuegos			C	
Habana			C	
Santiago de Cuba			C	

CURAÇAO AND BONAIRE (NETHERLANDS ANTILLES)

Curaçao	A			
Curaçao Radio (JRCC)		B		

DOMINICA

Dominica Broadcasting Corp. (Radio Dominica) (DBS Radio)				D

DOMINICAN REPUBLIC

Santo Domingo Piloto			C	

GREENLAND (KALAALLIT NUNAAT)

Grønnedal		B		

GRENADA

Grenada Broadcasting Corporation (G.B.C. Radio) Radio Grenada				D
Grenada Coast Guard (S. Georges) (MRSC)		B		

GUADELOUPE, ST. MARTIN, ST. BARTHELEMY

ADRASEC (Guadeloupe)		B		
Guadeloupe (CROSSAG)		B		
Pointe-à-Pitre (RFI Guadeloupe)				D
Radio-France Outre-Mer (RFO), Guadeloupe				D

GUYANA

Guyana Broadcasting Corporation				D

JAMAICA

Kingston, Jamaica Coast Guard (MRCC)		B		

MARTINIQUE

ADRASEC (Martinique)		B		
Fort-de-France (RFI Martinique)				D
Martinique (CROSSAG)		B		
Radio-France Outre-Mer (RFO), Martinique				D

MEXICO

Chetumal			C	
Ciudad del Carmen			C	
Coatzacoalcos			C	
Cozumel			C	

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Mexican Army		B		
Pajaritos			C	
Progreso			C	
Veracruz			C	

PUERTO RICO

San Juan (USCG)	A	B		

SAINT KITTS AND NEVIS

ZIZ Radio, S. Kitts				D

SAINT LUCIA

Radio Caribbean International, Saint Lucia				D
Radio Saint Lucia (Saint Lucia Broadcasting Corp)				D

SAINT VINCENT AND THE GRENADINES

NBC Radio Saint-Vincent and the Grenadines				D

ST. PIERRE AND MIQUELON

Radio-France Outre-Mer (RFO), Saint-Pierre				D

TRINIDAD AND TOBAGO

NBS (National Broadcasting Service)				D
North Post (Trinidad)			C	

UNITED STATES OF AMERICA

Atlantic City (USCG)		B		
Baltimore (USCG)		B		
Boston, Massachusetts (USCG)	A	B		
Buffalo (USCG)		B		
CAMSLANT (Portsmouth)	A			
Cape Hatteras (USCG)		B		
Charleston (USCG)		B		
Chesapeake (US COAST GUARD) CAMSLANT (Communications Area Master Station Atlantic)		B		
Chincoteague (Eastern Shore) (USCG)		B		
Corpus Christi (USCG)		B		
Detroit (USCG)		B		
Fort Macon (USCG)		B		
Galveston (USCG)		B		
Grand Haven (USCG)		B		
Hampton Roads (USCG)		B		
Key West (USCG)		B		
Long Island Sound (USCG)		B		

A=NAVTEX | B= Rescue Coordination Centre | C=Any other station | D=Commercial Station

Mayport (USCG)		B		
Miami (USCG)	A	B		
Milwaukee (USCG)		B		
Mobile			C	
Mobile (USCG)		B		
Moriches (USCG)		B		
New Orleans (USCG)	A	B		
New York (USCG)		B		
Philadelphia (USCG)		B		
Portland (USCG)		B		
Saint Petersburg (USCG)		B		
Sandy Hook (USCG)		B		
Sault Sainte Marie (USCG)		B		
Savannah	A			
Soutwest Harbour (USCG)		B		
Woods Hole (USCG)		B		

METAREA: IX

BAHRAIN

Hamala	A			

DJIBOUTI

Djibouti			C	

EGYPT

El Quseir (Kosseir)	A			
Ismailia	A			

IRAN, ISLAMIC REPUBLIC OF

Bandar Abbas(MRCC)	A	B		
Bandar Imam Khomeyni (MRCC)		B		
Bushehr (MRCC)	A	B		
Chah Bahar (MRCC)		B		

JORDAN

'Aqaba			C	

KUWAIT

Al Kuwayt (Kuwait)			C	

OMAN

Masqat (Muscat) (Wattayah Radio Station)	A			

A=NAVTEX | B= Rescue Coordination Centre | C=Any other station | D=Commercial Station

PAKISTAN

Karachi	A		C	
Karachi NAVAL		B		

QATAR

Ad Dawhah (Doha)			C	

SAUDI ARABIA

Dammam	A			
Jeddah	A		C	

METAREA: V

BRAZIL

Belém			C	
Belém Radio Liberal				D
Belém Radio Marajoara				D
Junção			C	
Olinda			C	
Ponta do Céu			C	
Radio Nacional de Macapá				D
Río			C	
Rio de Janeiro Naval		B		

SURINAME

Paramaribo			C	

URUGUAY

Atlántida (PREFECTURA)		B		
Carmelo (PREFECTURA)		B		
Colonia (PREFECTURA)		B		
Control Montevideo (PREFECTURA)		B		
Fray Bentos (PREFECTURA)		B		
La Paloma	A	B		
Nueva Palmira (PREFECTURA)		B		
Paysandú (PREFECTURA)		B		
Piriápolis (PREFECTURA)		B		
Puerto Sauce (PREFECTURA)		B		
Punta Carretas			C	
Punta del Este (PREFECTURA)		B		
Rio Branco (PREFECTURA)		B		
Salto (PREFECTURA)		B		

A=NAVTEX | B= Rescue Coordination Centre | C=Any other station | D=Commercial Station

Sodre		B		
Trouville (PREFECTURA)		B		

METAREA: VI

ARGENTINA

Bahía Blanca (PREFECTURA NAVAL)	A	B		
Buenos Aires (PREFECTURA NAVAL)	A	B		
Comodoro Rivadavia (PREFECTURA NAVAL)	A	B		
Delta (PREFECTURA NAVAL)		B		
Mar del Plata (PREFECTURA NAVAL)	A	B		
Puerto Madryn (PREFECTURA NAVAL)		B		
Quequén (PREFECTURA NAVAL)		B		
Rawson (PREFECTURA NAVAL)		B		
Recalada Río de la Plata (PREFECTURA NAVAL)		B		
Rio Gallegos (PREFECTURA NAVAL)	A	B		
San Antonio Oeste (PREFECTURA NAVAL)		B		
Ushuaia (PREFECTURA NAVAL)	A	B		

METAREA: VII

ANGOLA

Luanda			C	

ASCENSION ISLAND

RAF VOLMET			C	

COMOROS

Moroni			C	

MADAGASCAR

Radiodiffusion de Madagascar				D

MOZAMBIQUE

Beira			C	
Radio Moçambique				D

NAMIBIA

Walvis Bay	A		C	

NEW AMSTERDAM ISLAND (FRANCE)

Martin de Vivies (New Amsterdam Island) OR Port-aux-Français (Kerguelen Island)			C	

SOUTH AFRICA

Cape Naval			C	
Cape Town	A		C	
Durban	A			

A=NAVTEX | B= Rescue Coordination Centre | C=Any other station | D=Commercial Station

Port Elizabeth	A			

METAREA: VIII(N)

BANGLADESH

Chittagong			C	

INDIA

Chennai (Madras)	A		C	
Kochi (Cochin)			C	
Mumbai (Bombay)			C	
Mumbai (Bombay) (COMCEN)	A	B		
Tuticorin			C	
Vishakhapatnam (COMCEN)		B	C	

SRI LANKA

Colombo			C	

METAREA: VIII(S)

MAURITIUS

Mauritius	A			
Port Louis Harbour			C	

RÉUNION

Radio-France Outre-Mer (RFO)				D
Réunion (CROSSRU) (MRCC)		B		

SEYCHELLES

Seychelles			C	

METAREA: X

AUSTRALIA

Charleville (Queensland)			C	
Wiluna (Western Australia)			C	

COOK ISLANDS

Rarotonga			C	

NEW CALEDONIA

Nouméa			C	
Radio Nouvelle-Calédonie (RNC) (Radio-France Outre-Mer (RFO))				D

PAPUA NEW GUINEA

Port Moresby			C	

SOLOMON ISLANDS

Honiara			C	

A=NAVTEX | B= Rescue Coordination Centre | C=Any other station | D=Commercial Station

METAREA: XI

CHINA

Dalian	A			
Fuzhou	A			
Guangzhou	A		C	
Sanya	A			
Shanghai	A		C	
Tianjin			C	

GUAM

Guam (USCG)	A	B		

HONG KONG, CHINA

Commercial Radio 1 Hong Kong				D
Hong Kong	A		C	
Radio Television Hong Kong				D

INDONESIA

Amboina	A			
Jakarta	A		C	
Jayapura	A			
Ujungpandang (Makassar)	A			

JAPAN

Hiroshima (JCG MRCC)		B		
Ishigaki (JCG MRCC)		B		
Kagoshima (JCG MRCC)		B		
Kobe (JCG MRCC)		B		
Kushiro	A			
Kushiro (JCG MRCC)		B		
Maizuru (JCG MRCC)		B		
Moji	A			
Moji (JCG MRCC)		B		
Nagoya (JCG MRCC)		B		
Naha	A			
Naha (JCG MRCC)		B		
Niigata (JCG MRCC)		B		
Otaru	A			
Otaru (JCG MRCC)		B		
Sasebo (JCG MRCC)		B		

A=NAVTEX | B= Rescue Coordination Centre | C=Any other station | D=Commercial Station

Shiogama (JCG MRCC)		B		
Yokohama (JCG MRCC)	A	B		

KIRIBATI

Tarawa			C	

MACAO, CHINA

Emissora de Radiodifusão de Macau				D

MALAYSIA

Miri (Sarawak)	A			
Penang	A			
Sandakan (Sabah)	A			

PHILIPPINES

Manila			C	
Philippine Broadcasting Stations				D

REPUBLIC OF KOREA

Cheju (Jeju)			C	
Chukpyon (Jukbyeon)	A			
Inch'on (Incheon)			C	
Kangnung (Gangneung)			C	
Kunsan (Gunsan)			C	
Pyonsan (Byeonsan)	A			

SINGAPORE

Singapore (Changi)	A			

THAILAND

Bangkok (Nonthaburi) Meteorological	A		C	

VIET NAM

Da Nang	A		C	
Hai Phong			C	
Ho Chi Minh Ville	A		C	

METAREA: XII

ALASKA (US)

Annette (Weather Service Office)			C	
Barrow (Weather Service Office)			C	
Bethel (Weather Service Office)			C	
Cold Bay (Weather Service Office)			C	
Juneau (USCG)		B		
Ketchikan (USCG)		B		

A=NAVTEX | B= Rescue Coordination Centre | C=Any other station | D=Commercial Station

King Salmon (Weather Service Office)			C	
Kodiak	A			
Kodiak (USCG)		B		
Kodiak (Weather Service Office)			C	
Kotzebue (Weather Service Office)			C	
Mc Grath (Weather Service Office)			C	
Nome (Weather Service Office)			C	
S. Paul Island (Weather Service Office)			C	
Sitka (USCG)		B		
Valdez (USCG)		B		
Yakutat (Weather Service Office)			C	

CANADA

Comox (CCG)		B		
Prince Rupert (CCG)	A	B		
Tofino (CCG)	A	B		
Vancouver (CCG)		B		
Victoria (CCG)		B		

COSTA RICA

Radio Bahía, Puntarenas			C	
Radio Dos				D
Radio Pampa, Guanacaste			C	

ECUADOR

Ayora	A			
Guayaquil, Radio IOA (Instituto Oceanografico Armada) o Radio Naval		B		

HAWAII (U.S.)

Honolulu (USCG)	A	B		
Kekaha, Kauai			C	

MEXICO

Acapulco			C	
Ensenada			C	
Lazaro Cardenas			C	
Manzanillo			C	
Mazatlán			C	
Puerto Vallarta			C	

UNITED STATES OF AMERICA

Astoria (USCG)	A	B		

A=NAVTEX | B= Rescue Coordination Centre | C=Any other station | D=Commercial Station

CAMSPAC, Point Reyes (San Francisco)	A			
Humboldt Bay (USCG)		B		
KKL Radio - Vashon Island			C	
Long Beach (Cambria)	A			
Long BeachUS COAST GUARD)		B		
North Bend (USCG)		B		
Point Reyes (US COAST GUARD)		B		
CAMSPAC (Communications Area Master Station Pacific)				
Port Angeles (USCG)		B		
San Diego (USCG)		B		
San Francisco (USCG)		B		
Seattle			C	
Seattle (USCG)		B		

METAREA: XIII

RUSSIAN FEDERATION (EUROPE)

Tiksi			C	

RUSSIAN FEDERATION (IN ASIA)

Beringovskiy			C	
Kholmsk	A			
Magadan	A		C	
Okhotsk	A		C	
Petropavlovsk	A			
Petropavlovsk-Kamchatskiy			C	
Vladivostok	A		C	
Yuzhno-Sakhalinsk			C	

METAREA: XIV

FIJI

Communications Fiji				D
Fiji Broadcasting Corporation Ltd (FBCL)				D
Suva			C	

FRENCH POLYNESIA

Mahina (Tahiti)			C	
Radio-France Outre-Mer (RFO), Tahiti				D

NEW ZEALAND

Taupo Maritime Radio			C	

TONGA

Nuku'Alofa			C	

A=NAVTEX | B= Rescue Coordination Centre | C=Any other station | D=Commercial Station

Radio Tonga I and II				D

TUVALU

Funafuti Island			C	

VANUATU

Port-Vila			C	

METAREA: XV

CHILE

Antofagasta Zonal	A	B		
Arica Radio		B		
Bahía Félix Radio		B		
Cabo Carranza, Faro		B		
Cabo Raper, Faro		B		
Caldera		B		
Castro		B		
Chañaral		B		
Consitutción		B		
Coquimbo		B		
Diégo Ramirez		B		
Huasco		B		
Iquique		B		
Isla de Pascua (Easter Island)	A			
Isla de Pascua Zonal Radio (Easter Island)		B		
Isla Guafo, Faro		B		
Isla Mocha, Faro		B		
Isla Quiriquina, Faro		B		
Isla San Pedro		B		
Islote Fairway, Faro		B		
Islotes Evangelistas, Faro		B		
Juan Fernández		B		
Magallanes	A			
Magallanes Zonal Radio		B		
Puerto Aysén		B		
Puerto Montt Zonal Radio	A	B		
Punta Corona, Faro		B		
Punta Delgada		B		
Punta Dungenes, Faro		B		
San Antonio		B		

A=NAVTEX | B= Rescue Coordination Centre | C=Any other station | D=Commercial Station

Talcahuano Zonal Radio	A	B		
Valparaiso Playa Ancha (Radio Centro de Telecomunicaciones Maritimas)	A		C	
Wollaston		B		

METAREA: XVI

PERU

Callao	A			
Mollendo (Matarani)	A			
Paita	A			

METAREA: XVIII

CANADA

Iqaluit (Canadian Coast Guard)	A			
Iqaluit (CCG)		B		

GREENLAND (KALAALLIT NUNAAT)

Kook Island (Nuuk)	A			

A=NAVTEX | B= Rescue Coordination Centre | C=Any other station | D=Commercial Station

Annex II - Index of Stations by Country

ALASKA (US)

Annette (Weather Service Office)			C	
Barrow (Weather Service Office)			C	
Bethel (Weather Service Office)			C	
Cold Bay (Weather Service Office)			C	
Juneau (USCG)		B		
Ketchikan (USCG)		B		
King Salmon (Weather Service Office)			C	
Kodiak	A			
Kodiak (USCG)		B		
Kodiak (Weather Service Office)			C	
Kotzebue (Weather Service Office)			C	
Mc Grath (Weather Service Office)			C	
Nome (Weather Service Office)			C	
S. Paul Island (Weather Service Office)			C	
Sitka (USCG)		B		
Valdez (USCG)		B		
Yakutat (Weather Service Office)			C	

ALGERIA

Alger Radio			C	
Annaba Radio			C	
Arzew Radio			C	
Bejaia Radio			C	
Ghazouet Radio			C	
Oran			C	
Radiodiffusion Télévision Algérienne				D
Skikda Radio			C	
Tenes Radio			C	

ANGOLA

Luanda			C	

ARGENTINA

Bahía Blanca (PREFECTURA NAVAL)	A	B		
Buenos Aires (PREFECTURA NAVAL)	A	B		
Comodoro Rivadavia (PREFECTURA NAVAL)	A	B		
Delta (PREFECTURA NAVAL)		B		
Mar del Plata (PREFECTURA NAVAL)	A	B		
Puerto Madryn (PREFECTURA NAVAL)		B		
Quequén (PREFECTURA NAVAL)		B		
Rawson (PREFECTURA NAVAL)		B		
Recalada Río de la Plata (PREFECTURA NAVAL)		B		
Rio Gallegos (PREFECTURA NAVAL)	A	B		
San Antonio Oeste (PREFECTURA NAVAL)		B		
Ushuaia (PREFECTURA NAVAL)	A	B		

ASCENSION ISLAND

RAF VOLMET			C	

AUSTRALIA

Charleville (Queensland)			C	
Wiluna (Western Australia)			C	

A=NAVTEX | B= Rescue Coordination Centre | C=Any other station | D=Commercial Station

AUSTRIA

Radio Österreich International (ORF)				D

AZORES (PORTUGAL)

Delgada (MRCC)		B		
Horta	A			
Horta (Radionaval)		B		

BAHAMAS

Radio Bahamas (Broadcasting Corp. of the Bahamas)				D

BAHRAIN

Hamala	A			

BANGLADESH

Chittagong			C	

BARBADOS

Barbados Coast Guard (8PO) (MRSC)		B		
Barbados Rediffusion Service Ltd.				D
Caribbean Broadcasting Corportaion (Radio Barbados)				D

BELGIUM

Antwerpen Radio			C	
Oostende	A			
Oostende Radio			C	
Vlaamse Radio en Televisie (VRT - Radio 1)				D

BELIZE

BFBS Radio 1 (Belize)				D
Love FM				D

BENIN

Cotonou			C	

BERMUDA

Bermuda Harbour	A	B		

BRAZIL

Belém			C	
Belém Radio Liberal				D
Belém Radio Marajoara				D
Junção			C	
Olinda			C	
Ponta do Céu			C	
Radio Nacional de Macapá				D
Río			C	
Rio de Janeiro Naval		B		

BULGARIA

Varna	A			
Varna Radio			C	

CANADA

Churchill (CCG)		B		
Comox (CCG)		B		
Fundy (Yarmouth) (CCG)	A			
Halifax (CCG)		B		
Inuvik (CCG)		B		
Iqaluit (Canadian Coast Guard)	A			

A=NAVTEX | B= Rescue Coordination Centre | C=Any other station | D=Commercial Station

Iqaluit (CCG)		B		
Labrador (CCG)	A	B		
Les Escoumins (CCG)		B		
Montréal (CCG)		B		
Placentia (CCG)		B		
Port aux Basques (CCG)		B		
Prescott (Wiarton) (CCG)	A	B		
Prince Rupert (CCG)	A	B		
Québec (CCG)		B		
Resolute (CCG)		B		
Rivière-au-Renard (CCG)	A	B		
Saint Anthony(CCG)		B		
Saint John's, New Brunswick (CCG)		B		
Saint John's, Newfoundland (CCG)	A	B		
Sarnia (CCG)		B		
Sydney (CCG)	A	B		
Thunder Bay (CCG)	A	B		
Tofino (CCG)	A	B		
Vancouver (CCG)		B		
Victoria (CCG)		B		

CANARY ISLANDS (SPAIN)

Las Palmas	A			
Las Palmas (CCR GROUP V)			C	
Las Palmas (MRCC)		B		
Tenerife (CCR)			C	
Tenerife (MRCC)		B		

CHILE

Antofagasta Zonal	A	B		
Arica Radio		B		
Bahía Félix Radio		B		
Cabo Carranza, Faro		B		
Cabo Raper, Faro		B		
Caldera		B		
Castro		B		
Chañaral		B		
Consitutción		B		
Coquimbo		B		
Diégo Ramirez		B		
Huasco		B		
Iquique		B		
Isla de Pascua (Easter Island)	A			
Isla de Pascua Zonal Radio (Easter Island)		B		
Isla Guafo, Faro		B		
Isla Mocha, Faro		B		
Isla Quiriquina, Faro		B		
Isla San Pedro		B		
Islote Fairway, Faro		B		
Islotes Evangelistas, Faro		B		
Juan Fernández		B		
Magallanes	A			

A=NAVTEX | B= Rescue Coordination Centre | C=Any other station | D=Commercial Station

Magallanes Zonal Radio		B		
Puerto Aysén		B		
Puerto Montt Zonal Radio	A	B		
Punta Corona, Faro		B		
Punta Delgada		B		
Punta Dungenes, Faro		B		
San Antonio		B		
Talcahuano Zonal Radio	A	B		
Valparaiso Playa Ancha (Radio Centro de Telecomunicaciones Maritimas)	A		C	
Wollaston		B		

CHINA

Dalian	A			
Fuzhou	A			
Guangzhou	A		C	
Sanya	A			
Shanghai	A		C	
Tianjin			C	

COMOROS

Moroni			C	

CONGO

Pointe Noire			C	

COOK ISLANDS

Rarotonga			C	

COSTA RICA

Radio Bahía, Puntarenas			C	
Radio Casino, Limón			C	
Radio Dos				D
Radio Pampa, Guanacaste			C	
Radio Stero Bahía, Limón			C	

COTE D'IVOIRE

Abidjan Radio			C	

CROATIA

Dubrovnik			C	
Habour Master Office			C	
Rijeka			C	
Split (Hvar I.)	A		C	

CUBA

Cienfuegos			C	
Habana			C	
Santiago de Cuba			C	

CURAÇAO AND BONAIRE (NETHERLANDS ANTILLES)

Curaçao	A			
Curaçao Radio (JRCC)		B		

CYPRUS

BFBS Radio 1 Cyprus				D
Cyprus	A		C	

DENMARK

Danmarks Radio				D
Lyngby			C	

A=NAVTEX | B= Rescue Coordination Centre | C=Any other station | D=Commercial Station

Tórshavn Radio (Faeroes)			C	
Utvarp Föroya (Radio Faeroe)			C	

DJIBOUTI

Djibouti			C	

DOMINICA

Dominica Broadcasting Corp. (Radio Dominica) (DBS Radio)				D

DOMINICAN REPUBLIC

Santo Domingo Piloto			C	

ECUADOR

Ayora	A			
Guayaquil, Radio IOA (Instituto Oceanografico Armada) o Radio Naval		B		

EGYPT

El Iskandariya (Alexandria)	A			
El Quseir (Kosseir)	A			
Ismailia	A			

ESTONIA

Tallinn	A		C	

FIJI

Communications Fiji				D
Fiji Broadcasting Corporation Ltd (FBCL)				D
Suva			C	

FINLAND

Radio Suomi				D
Radio Vega/Mix				D
Turku (MRCC)		B		

FRANCE

Corsen (CROSS) (MRCC)	A	B		
Étel (CROSS) (MRCC)		B		
Gris Nez (CROSS)		B		
Jobourg (CROSS) (MRCC)		B		
La Garde (CROSS) (MRCC)	A	B		
Radio France / France Inter & France Bleue				D
Radio-France-Internationale				D

FRENCH POLYNESIA

Mahina (Tahiti)			C	
Radio-France Outre-Mer (RFO), Tahiti				D

GERMANY

Bremen Radio (MRCC)		B		
Offenbach (Main)-Hamburg/Pinneberg			C	

GHANA

Tema Radio			C	

GIBRALTAR

BFBS Gibraltar				D
Gibraltar Broadcasting Corporation				D

GREECE

Irakleio (Crete)	A			
Kerkyra	A			
Limnos	A			

A=NAVTEX | B= Rescue Coordination Centre | C=Any other station | D=Commercial Station

Olympia Radio			C	

GREENLAND (KALAALLIT NUNAAT)

Aasiaat			C	
Ammassalik			C	
Grønnedal		B		
Kalaalit Nunaata Radio				D
Kook Island (Nuuk)	A			

GRENADA

Grenada Broadcasting Corporation (G.B.C. Radio) Radio Grenada				D
Grenada Coast Guard (S. Georges) (MRSC)		B		

GUADELOUPE, ST. MARTIN, ST. BARTHELEMY

ADRASEC (Guadeloupe)		B		
Guadeloupe (CROSSAG)		B		
Pointe-à-Pitre (RFI Guadeloupe)				D
Radio-France Outre-Mer (RFO), Guadeloupe				D

GUAM

Guam (USCG)	A	B		

GUERNSEY

Saint Peter Port			C	

GUINEA

Conakry			C	

GUYANA

Guyana Broadcasting Corporation				D

HAWAII (U.S.)

Honolulu (USCG)	A	B		
Kekaha, Kauai			C	

HONG KONG, CHINA

Commercial Radio 1 Hong Kong				D
Hong Kong	A		C	
Radio Television Hong Kong				D

ICELAND

Hornafjördur			C	
Isafjördur			C	
Nes Radio (Neskaupstadur)			C	
Reykjavík	A		C	
Siglufjördur			C	
Vestmannaeyjar			C	

INDIA

Chennai (Madras)	A		C	
Kochi (Cochin)			C	
Mumbai (Bombay)			C	
Mumbai (Bombay) (COMCEN)	A	B		
Tuticorin			C	
Vishakhapatnam (COMCEN)		B	C	

INDONESIA

Amboina	A			
Jakarta	A		C	
Jayapura	A			

A=NAVTEX | B= Rescue Coordination Centre | C=Any other station | D=Commercial Station

Ujungpandang (Makassar)	A			

IRAN, ISLAMIC REPUBLIC OF

Bandar Abbas(MRCC)	A	B		
Bandar Imam Khomeyni (MRCC)		B		
Bushehr (MRCC)	A	B		
Chah Bahar (MRCC)		B		

IRELAND

Dublin (MRCC)		B		
Malin Head (COAST GUARD MRSC)	A			
Malin Head (MRSC)		B		
Radio Telefis Eireann - Radio 1 (RTE Radio 1)				D
Valentia	A			
Valentia (MRSC)		B		

ISRAEL

Hefa (Haifa)	A		C	

ITALY

Ancona Radio			C	
Augusta	A		C	
Bari			C	
Cagliari	A		C	
Civitavecchia			C	
Crotone			C	
Genova			C	
Lampedusa			C	
Livorno			C	
Mazara del Vallo			C	
Messina			C	
Napoli			C	
Palermo			C	
Porto Torres			C	
Radiotelevisione Italiana-Radiodue				D
Roma	A		C	
San Benedetto del Tronto			C	
Trieste	A		C	

JAMAICA

Kingston, Jamaica Coast Guard (MRCC)		B		

JAPAN

Hiroshima (JCG MRCC)		B		
Ishigaki (JCG MRCC)		B		
Kagoshima (JCG MRCC)		B		
Kobe (JCG MRCC)		B		
Kushiro	A			
Kushiro (JCG MRCC)		B		
Maizuru (JCG MRCC)		B		
Moji	A			
Moji (JCG MRCC)		B		
Nagoya (JCG MRCC)		B		
Naha	A			
Naha (JCG MRCC)		B		
Niigata (JCG MRCC)		B		

A=NAVTEX | B= Rescue Coordination Centre | C=Any other station | D=Commercial Station

Otaru	A			
Otaru (JCG MRCC)		B		
Sasebo (JCG MRCC)		B		
Shiogama (JCG MRCC)		B		
Yokohama (JCG MRCC)	A	B		

JERSEY

BBC Radio Jersey				D
Jersey Radio		B		
Saint Helier Pierheads		B	C	

JORDAN

'Aqaba			C	

KIRIBATI

Tarawa			C	

KUWAIT

Al Kuwayt (Kuwait)			C	

LATVIA

Riga Rescue Radio (MRCC)		B		

LIBYA

Tarabulus (Tripoli)			C	

LITHUANIA

Klaipeda (Radio 5) Klaipeda State Seaport Authority Harbour Master Office			C	

MACAO, CHINA

Emissora de Radiodifusão de Macau				D

MADAGASCAR

Radiodiffusion de Madagascar				D

MADEIRA (PORTUGAL)

Porto Santo (Radionaval)		B		

MALAYSIA

Miri (Sarawak)	A			
Penang	A			
Sandakan (Sabah)	A			

MALTA

Malta Radio	A			
Malta Radio (RCC)		B		

MARTINIQUE

ADRASEC (Martinique)		B		
Fort-de-France (RFI Martinique)				D
Martinique (CROSSAG)		B		
Radio-France Outre-Mer (RFO), Martinique				D

MAURITIUS

Mauritius	A			
Port Louis Harbour			C	

MEXICO

Acapulco			C	
Chetumal			C	
Ciudad del Carmen			C	
Coatzacoalcos			C	
Cozumel			C	

A=NAVTEX | B= Rescue Coordination Centre | C=Any other station | D=Commercial Station

Ensenada			C	
Lazaro Cardenas			C	
Manzanillo			C	
Mazatlán			C	
Mexican Army		B		
Pajaritos			C	
Progreso			C	
Puerto Vallarta			C	
Veracruz			C	

MONACO

Monaco			C	

MONTENEGRO

Bar			C	

MOROCCO

Agadir			C	
Casablanca			C	
Dakhla			C	
Radiodiffusion Télévision Marocaine				D
Safi			C	
Tanger			C	

MOZAMBIQUE

Beira			C	
Radio Moçambique				D

NAMIBIA

Walvis Bay	A		C	

NETHERLANDS

Den Helder	A			
Netherlands Coastguard Radio		B		
Omroep Zeeland				D
Radio Noord-Holland				D

NEW AMSTERDAM ISLAND (FRANCE)

Martin de Vivies (New Amsterdam Island) OR Port-aux-Français (Kerguelen Island)			C	

NEW CALEDONIA

Nouméa			C	
Radio Nouvelle-Calédonie (RNC) (Radio-France Outre-Mer (RFO))				D

NEW ZEALAND

Taupo Maritime Radio			C	

NORWAY

Bjørnøya			C	
Bjørnøya Meteo Radio			C	
Bodø	A			
Bodø Radio			C	
Florø Radio			C	
Høpen Meteo Radio			C	
Jan Mayen			C	
Jan Mayen Meteo Radio			C	
Norsk Rikskringkasting (Norwegian Broadcasting System)				D
Ørlandet	A			
Rogaland	A			

A=NAVTEX | B= Rescue Coordination Centre | C=Any other station | D=Commercial Station

Rogaland Radio			C	
Svalbard	A			
Svalbard Radio			C	
Tjøme Radio			C	
Vardø	A			
Vardø Radio			C	

OMAN

Masqat (Muscat) (Wattayah Radio Station)	A			

PAKISTAN

Karachi	A		C	
Karachi NAVAL		B		

PAPUA NEW GUINEA

Port Moresby			C	

PERU

Callao	A			
Mollendo (Matarani)	A			
Paita	A			

PHILIPPINES

Manila			C	
Philippine Broadcasting Stations				D

POLAND

Polskie Radio				D
Slupsk			C	
Witowo Radio			C	
Zatoka Gdansk - Vessel Traffic Services			C	

PORTUGAL

Cte. Nunes Ribeiro (Radionaval)		B		
Faro (Radionaval)		B		
Leixões (Radionaval)		B		
Monsanto (Alges)	A			
Monsanto (Radionaval)		B		
Radifusão Portuguesa				D

PUERTO RICO

San Juan (USCG)	A	B		

QATAR

Ad Dawhah (Doha)			C	

REPUBLIC OF KOREA

Cheju (Jeju)			C	
Chukpyon (Jukbyeon)	A			
Inch'on (Incheon)			C	
Kangnung (Gangneung)			C	
Kunsan (Gunsan)			C	
Pyonsan (Byeonsan)	A			

RÉUNION

Radio-France Outre-Mer (RFO)				D
Réunion (CROSSRU) (MRCC)		B		

ROMANIA

Constanta (Constantza) Radio	A		C	

A=NAVTEX | B= Rescue Coordination Centre | C=Any other station | D=Commercial Station

RUSSIAN FEDERATION (EUROPE)

Arkhangel'sk	A		C	
Astrakhan (Caspian Sea)	A			
Kaliningrad			C	
Murmansk	A		C	
Novorossiysk	A			
Tiksi			C	

RUSSIAN FEDERATION (IN ASIA)

Beringovskiy			C	
Dickson			C	
Kholmsk	A			
Magadan	A		C	
Okhotsk	A		C	
Petropavlovsk	A			
Petropavlovsk-Kamchatskiy			C	
Vladivostok	A		C	
Yuzhno-Sakhalinsk			C	

SAINT KITTS AND NEVIS

ZIZ Radio, S. Kitts				D

SAINT LUCIA

Radio Caribbean International, Saint Lucia				D
Radio Saint Lucia (Saint Lucia Broadcasting Corp)				D

SAINT VINCENT AND THE GRENADINES

NBC Radio Saint-Vincent and the Grenadines				D

SAUDI ARABIA

Dammam	A			
Jeddah	A		C	

SEYCHELLES

Seychelles			C	

SINGAPORE

Singapore (Changi)	A			

SOLOMON ISLANDS

Honiara			C	

SOUTH AFRICA

Cape Naval			C	
Cape Town	A		C	
Durban	A			
Port Elizabeth	A			

SPAIN

Algeciras (MRSC)		B		
Almería (MRCC)		B		
Barcelona (MRCC)		B		
Bilbao (CCR)			C	
Bilbao (MRCC)		B		
Cádiz (MRSC)		B		
Cartagena (MRSC)		B		
Castellón (MRSC)		B		
Coruña (CCR)			C	
Coruña (MRSC)	A	B		

A=NAVTEX | B= Rescue Coordination Centre | C=Any other station | D=Commercial Station

Finisterre (MRCC)		B		
Gijón (MRCC)		B		
Huelva (MRSC)		B		
Málaga (CCR)			C	
Palamós (MRSC)		B		
Palma (MRCC)		B		
Santander (MRSC)		B		
Tarifa (MRCC)	A	B		
Tarragona (MRSC)		B		
Valencia (Cabo de la Nao)	A			
Valencia (CCR)			C	
Valencia (MRCC)		B		
Vigo (MRSC)		B		
SRI LANKA				
Colombo			C	
ST. PIERRE AND MIQUELON				
Radio-France Outre-Mer (RFO), Saint-Pierre				D
STATIONS OPERATED BY ARGENTINA				
Centro Meteorológico Base Marambio			C	
STATIONS OPERATED BY CHILE				
Bahía Fildes			C	
Centro Meteorológico Presidente Eduardo Frei Montalva			C	
STATIONS OPERATED BY THE U.S.A.				
Palmer Station			C	
SURINAME				
Paramaribo			C	
SWEDEN				
Bjuröklubb	A			
Gislovshammer	A			
Grimeton	A			
Stockholm			C	
Sveriges Radio Programme 1				D
SYRIAN ARAB REPUBLIC				
Al Ladhiqiyah (Latakia)			C	
Tartus (Tartous)			C	
THAILAND				
Bangkok (Nonthaburi) Meteorological	A		C	
TONGA				
Nuku'Alofa			C	
Radio Tonga I and II				D
TRINIDAD AND TOBAGO				
NBS (National Broadcasting Service)				D
North Post (Trinidad)			C	
TUNISIA				
La Goulette Port			C	
Radio Tunis				D
Tunis			C	
TURKEY				

A=NAVTEX | B= Rescue Coordination Centre | C=Any other station | D=Commercial Station

Antalya	A		C	
Istanbul	A		C	
Izmir	A			
Samsun	A		C	
Turkish Radio - Television Corporation				D

TUVALU

Funafuti Island			C	

UKRAINE

Kerch	A			
Mariupol'			C	
Odesa	A		C	
Sevastopol, Krymskoi			C	

UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND

Aberdeen (MRCC)		B		
BBC Radio 4				D
Belfast (MRSC)		B		
Brixham (MRSC)		B		
Clyde (MRCC)		B		
Cullercoats	A			
Dover (MRCC)		B		
Falmouth (MRCC)		B		
Forth (MRSC)		B		
Holyhead (MRSC)		B		
Humber (MRCC)		B		
Liverpool (MRSC)		B		
Milford Haven (MRSC)		B		
Niton	A			
Niton (France)	A			
Portland (MRSC)		B		
Portpatrick	A			
Shetland (MRSC)		B		
Solent (MRSC)		B		
Stornoway (MRSC)		B		
Swansea (MRCC)		B		
Thames (MRCC)		B		
Yarmouth (MRCC)		B		

UNITED STATES OF AMERICA

Astoria (USCG)	A	B		
Atlantic City (USCG)		B		
Baltimore (USCG)		B		
Boston, Massachusetts (USCG)	A	B		
Buffalo (USCG)		B		
CAMSLANT (Portsmouth)	A			
CAMSPAC, Point Reyes (San Francisco)	A			
Cape Hatteras (USCG)		B		
Charleston (USCG)		B		
Chesapeake (US COAST GUARD)		B		
Chincoteague (Eastern Shore) (USCG)		B		
Corpus Christi (USCG)		B		
Detroit (USCG)		B		

A=NAVTEX | B= Rescue Coordination Centre | C=Any other station | D=Commercial Station

Fort Macon (USCG)		B		
Galveston (USCG)		B		
Grand Haven (USCG)		B		
Hampton Roads (USCG)		B		
Humboldt Bay (USCG)		B		
Key West (USCG)		B		
KKL Radio - Vashon Island			C	
Long Beach (Cambria)	A			
Long BeachUS COAST GUARD)		B		
Long Island Sound (USCG)		B		
Mayport (USCG)		B		
Miami (USCG)	A	B		
Milwaukee (USCG)		B		
Mobile			C	
Mobile (USCG)		B		
Moriches (USCG)		B		
New Orleans (USCG)	A	B		
New York (USCG)		B		
North Bend (USCG)		B		
Philadelphia (USCG)		B		
Point Reyes (US COAST GUARD)		B		
Port Angeles (USCG)		B		
Portland (USCG)		B		
Saint Petersburg (USCG)		B		
San Diego (USCG)		B		
San Francisco (USCG)		B		
Sandy Hook (USCG)		B		
Sault Sainte Marie (USCG)		B		
Savannah	A			
Seattle			C	
Seattle (USCG)		B		
Soutwest Harbour (USCG)		B		
Woods Hole (USCG)		B		

URUGUAY

Atlántida (PREFECTURA)		B		
Carmelo (PREFECTURA)		B		
Colonia (PREFECTURA)		B		
Control Montevideo (PREFECTURA)		B		
Fray Bentos (PREFECTURA)		B		
La Paloma	A	B		
Nueva Palmira (PREFECTURA)		B		
Paysandú (PREFECTURA)		B		
Piriápolis (PREFECTURA)		B		
Puerto Sauce (PREFECTURA)		B		
Punta Carretas			C	
Punta del Este (PREFECTURA)		B		
Rio Branco (PREFECTURA)		B		
Salto (PREFECTURA)		B		
Sodre		B		
Trouville (PREFECTURA)		B		

A=NAVTEX | B= Rescue Coordination Centre | C=Any other station | D=Commercial Station

VANUATU

Port-Vila			C	

VIET NAM

Da Nang	A		C	
Hai Phong			C	
Ho Chi Minh Ville	A		C	

A=NAVTEX | B= Rescue Coordination Centre | C=Any other station | D=Commercial Station

Maritime Radio Station: Annette (Weather Service Office)

Call Sign: KGD58

Region: WMO REGION: IV
Position: 55°02'N 131°36'W
Radio Address:

METAREA: XII
Area Covered: Coastal waters of Alaska.

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	**A**	4 125 kHz			
VHF	**B**	Ch 09 (1)			

Broadcast Times	Frequency ID	Contents of Broadcast
0040, 1600	**A**	Gale warnings, synopsis and forecast for Areas 11-13, 21, 22, 31-36, 41-43 and Gulf of Alaska offshore.
0050, 1500	**B**	Storm warnings and weather forecasts.

(1) After announcement on VHF Ch 16.

Maritime Radio Station: Barrow (Weather Service Office)

Call Sign:

Region: WMO REGION: IV
Position: 71°16'N 156°50'W
Radio Address:

METAREA: XII
Area Covered: Coastal waters of Alaska.

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	**A**	4 125 kHz			1 Apr-15 Sept
VHF	**B**	Ch 68 (1)			

Broadcast Times	Frequency ID	Contents of Broadcast
0400, 1530	**A**	Gale warnings, synopsis and forecast for Areas 215, 220, 225, 230, 235 240 and 245. Generalised statement on ice coverage from Wales to Demarcation Point.
0300, 1600, 2100	**B**	Storm warnings and weather forecasts.

(1) After announcement on VHF Ch 16.

Maritime Radio Station: Bethel (Weather Service Office)

Call Sign:

METAREA: XII

Area Covered: Coastal waters of Alaska.

Region: WMO REGION: IV

Position: 60°49'N 161°49'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 66 (1)			

Broadcast Times	Frequency ID	Contents of Broadcast
0100, 1630	A	Storm warnings and weather forecasts.

(1) After announcement on VHF Ch 16 / 68.

Maritime Radio Station: Cold Bay (Weather Service Office)

Call Sign: KCI95

METAREA: XII

Area Covered: Coastal waters of Alaska.

Region: WMO REGION: IV

Position: 55°15'N 162°46'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	A	4 125 kHz			
VHF	B	Ch 09 (1)			

Broadcast Times	Frequency ID	Contents of Broadcast
0530, 1930	A	Gale warnings, synopsis and forecast for Areas 150, 155, 160, 165, 170-172, 175, 176, 179, 180 and Bearing Sea Offshore.
0215, 1815	B	Storm warnings and weather forecasts.

(1) After announcement on VHF Ch 16.

Marine Rescue Co-ordination Centre: Juneau (USCG) **Call Sign: NMJ1**

Region: WMO REGION: IV
Position:
Radio Address:

METAREA: XII
Area Covered: Coastal waters of Alaska.

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 22A		(Yakutat) 59°31'N 139°46'W	
VHF	**B**	Ch 22A		(Althorp Peak) 58°05'N 136°24'W	
VHF	**C**	Ch 22A		(Mt. Robert Barron) 58°14'N 134°50'W	
VHF	**D**	Ch 22A		(Cape Farnshaw) 57°12'N 133°28'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0203, 1403	**A, D**	Gale warnings, synopsis and forecast for Areas 11-13, 21, 22, 31-36 and 41-43.
On receipt	**A-D**	Gale warnings for areas 11-13, 21, 22, 31-36 and 41-43.
0403, 1433	**B**	Gale warnings, synopsis and forecast for Areas 11-13, 21, 22, 31-36 and 41-43.
0303, 1503	**C**	Gale warnings, synopsis and forecast for Areas 11-13, 21, 22, 31-36 and 41-43.

Marine Rescue Co-ordination Centre: Ketchikan (USCG) **Call Sign: NMJ2**

Region: WMO REGION: IV
Position:
Radio Address:

METAREA: XII
Area Covered: Coastal waters of Alaska.

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 22A		(Zarembo I.) 56°21'N 132°52'W	
VHF	**B**	Ch 22A		(Cape Decision) 56°00'N 134°08'W	
VHF	**C**	Ch 22A		(Gravina I.) 55°22'N 131°48'W	
VHF	**D**	Ch 22A		(Sukkwan I.) 55°06'N 132°46'W	
VHF	**E**	Ch 22A		(Mary I.) 55°05'N 131°13'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0215, 1415	**A, D**	Gale warnings, synopsis and forecast for Areas 11-13, 21, 22, 31-36 and 41-43, 51-53, 120, 121, 125-129. Navigational warnings: Local warnings.
On receipt	**A-E**	Gale warnings for areas 11-13, 21, 22, 31-36 and 41-43, 51-53, 120, 121, 125-129. Navigational warnings: Local warnings.
0233, 1433	**B, E**	Gale warnings, synopsis and forecast for Areas 11-13, 21, 22, 31-36 and 41-43, 51-53, 120, 121, 125-129. Navigational warnings: Local warnings.
0315, 1515	**C**	Gale warnings, synopsis and forecast for Areas 11-13, 21, 22, 31-36 and 41-43, 51-53, 120, 121, 125-129. Navigational warnings: Local warnings.

Maritime Radio Station: King Salmon (Weather Service Office)

Call Sign: KCI98

METAREA: XII

Area Covered: Coastal waters of Alaska.

Region: WMO REGION: IV

Position: 58°40'N 156°40'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	**A**	4 125 kHz			
VHF	**B**	Ch 09 (1)			

Broadcast Times	Frequency ID	Contents of Broadcast
0130, 2000	**A**	Gale warnings, synopsis and forecast for Areas 130, 132, 138, 150, 155, 160, 165, 170, 172, 175, 176, 179, 180 and Bearing Sea Offshore.
0045, 1400, 2100	**B**	Storm warnings and weather forecasts.

(1) After announcement on VHF Ch 16.

Navtex Station: Kodiak

Call Sign:

METAREA: XII

Area Covered: Coastal waters of Alaska

Region: WMO REGION: IV

Position: 57°46'N 152°34'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	**[J]**	518 kHz	Area east of Kodiak		
MSI	**[X]**	518 kHz	Area west of Kodiak		

Broadcast Times	Frequency ID	Contents of Broadcast
0300, 0700, 1100, 1500, 1900, 2300	**[J]**	Gale warnings, synopsis and forecast for Areas east of Kodiak. In English. Navigational warnings: For areas east of Kodiak. In English.
0340, 0740, 1140, 1540, 1940, 2340	**[X]**	Gale warnings, synopsis and forecast for Areas west of Kodiak. In English. Navigational warnings: For areas west of Kodiak. In English.

Marine Rescue Co-ordination Centre: Kodiak (USCG) **Call Sign:**

METAREA: XII
Area Covered: Coastal waters of Alaska - East Pacific

Region: WMO REGION: IV
Position: 57°46'N 152°34'W
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 670 kHz			
RT (HF)	**B**	6 501 kHz	(601)		
VHF	**C**	Ch 22A		Tuklung Mt. 58°51'N 159°27'W	
VHF	**D**	Ch 22A		Sitkinak Dome 56°33'N 154°10'W	
VHF	**E**	Ch 22A		Cape Gull 58°13'N 154°09'W	
VHF	**F**	Ch 22A		Pillar Mt. 57°47'N 152°27'W	
VHF	**G**	Ch 22A		Narrow Cape 57°26'N 152°25'W	
VHF	**H**	Ch 22A		Diamond Ridge 59°42'N 151°34'W	
VHF	**I**	Ch 22A		Site Summit 61°15'N 149°32'W	
VHF	**J**	Ch 22A		Rugged Island 59°51'N 149°22'W	

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt	**A-J**	Gale and strom warnings.
0203, 1645	**B**	Offshore forecast for Gulf of Alaska and Bering Sea and high seas forecast for Pacific. Navigational warnings: Tsunami watch / warning for Alaska and west coast of United States.
0230, 1800	**C, I**	
0130, 1430	**E, F, H**	
0530, 1600	**G, J**	

Call Sign Series: KAA-KZZ, WAA-WZZ

Maritime Radio Station: Kodiak (Weather Service Office)

Call Sign: WBH29

24-hour watch

Region: WMO REGION: IV
Position: 57°49'N 152°30'W
Radio Address: METEO WASHDC

METAREA: XII
Area Covered: East Pacific - Coastal waters of Alaska.

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	**A**	4 125 kHz			
VHF	**B**	Ch 09 (1)			

Broadcast Times	Frequency ID	Contents of Broadcast
0400, 1700	**A**	Gale warnings, synopsis and forecast for Areas 41-43, 51-53, 120, 130, 132, 138, 150, 155, 160, 165, 170 and Gulf of Alaska and Bearing Sea Offshore.
0200, 1500	**B**	Storm warnings and weather forecasts.

(1) After announcement on VHF Ch 16.

Maritime Radio Station: Kotzebue (Weather Service Office)

Call Sign:

Region: WMO REGION: IV
Position: 66°51'N 162°40'W
Radio Address:

METAREA: XII
Area Covered: Coastal waters of Alaska.

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 68 (1)			May-Oct

Broadcast Times	Frequency ID	Contents of Broadcast
0030, 1530	**A**	Storm warnings and weather forecasts.

(1) After announcement on VHF Ch 16 / 68.

Maritime Radio Station: Mc Grath (Weather Service Office)

Call Sign:

Region: WMO REGION: IV

METAREA: XII

Position:

Area Covered: Coastal waters of Alaska.

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 07 (1)			

Broadcast Times	Frequency ID	Contents of Broadcast
0400, 1600	**A**	Storm warnings and weather forecasts.

(1) After announcement on VHF Ch 16.

Maritime Radio Station: Nome (Weather Service Office)

Call Sign:

Region: WMO REGION: IV

METAREA: XII

Position: 64°30'N 165°30'W

Area Covered: Coastal waters of Alaska.

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	**A**	4 125 kHz			
VHF	**B**	Ch 09 (1)			

Broadcast Times	Frequency ID	Contents of Broadcast
0630, 2030	**A**	Gale warnings, synopsis and forecast for Areas 200, 210, 215, 220, 225, 230, 235, 240, 245.
0400, 1600	**B**	Storm warnings and weather forecasts.

(1) After announcement on VHF Ch 16.

Maritime Radio Station: S. Paul Island (Weather Service Office) Call Sign:

METAREA: XII
Area Covered: Coastal waters of Alaska.

Region: WMO REGION: IV
Position: 57°05'N 170°15'W
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 06 09 (1)			

Broadcast Times	Frequency ID	Contents of Broadcast
0200, 1500, 1630, 2300	A	Storm warnings and weather forecasts.
0200, 1500, 1630, 2300	A	Storm warnings and weather forecasts.

(1) After announcement on VHF Ch 16.

Marine Rescue Co-ordination Centre: Sitka (USCG) Call Sign:

METAREA: XII
Area Covered: Coastal waters of Alaska.

Region: WMO REGION: IV
Position:
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 22A		Mud Bay 57°09'N 135°39'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0103, 0903, 1350, 2103	A	Gale warnings, synopsis and forecast for Areas 11-13, 21, 22, 31-36 and 41-43. Navigational warnings: Local warnings.
On receipt	A	Gale warnings for areas 11-13, 21, 22, 31-36 and 41-43. Navigational warnings: Local warnings.

Marine Rescue Co-ordination Centre: Valdez (USCG) — Call Sign: NMJ3

METAREA: XII
Area Covered: Coastal waters of Alaska.

Region: WMO REGION: IV
Position:
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 22A		Point Pigot 60°49'N 148°21'W	
VHF	**B**	Ch 22A		Naked Island 60°38'N 147°20'W	
VHF	**C**	Ch 22A		Valdez 61°08'N 146°16'W	
VHF	**D**	Ch 22A		Boswell Bay 60°24'N 146°06'W	
VHF	**E**	Ch 22A		Cape Yakataga 60°04'N 142°25'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0133, 0733, 1333, 2133	**A, D**	Gale warnings, synopsis and forecast for Areas 51-53, 120, 121 and 125-129. Navigational warnings: Local warnings.
On receipt	**A-E**	Gale warnings for areas 51-53, 120, 121 and 125-129. Navigational warnings: Local warnings.
0115, 0715, 1315, 2115	**B, C, E**	Gale warnings, synopsis and forecast for Areas 51-53, 120, 121 and 125-129. Navigational warnings: Local warnings.

Maritime Radio Station: Yakutat (Weather Service Office) — Call Sign: KGD91

METAREA: XII
Area Covered: Coastal waters of Alaska.

Region: WMO REGION: IV
Position: 59°29'N 139°49'W
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	**A**	4 125 kHz			
VHF	**B**	Ch 09 (1)			

Broadcast Times	Frequency ID	Contents of Broadcast
0430, 1415	**A**	Gale warnings, synopsis and forecast for Areas 11-13, 21, 22, 31-36, 41-43, 51-53, 120, 125-129 and Gulf of Alaska Offshore.
0230, 1530	**B**	Storm warnings and weather forecasts.

(1) After announcement on VHF Ch 16.

Maritime Radio Station: Alger Radio **Call Sign: 7TA**

24-hour watch

METAREA: III

Area Covered: North Africa and Western Mediterranean

Region: WMO REGION: I

Position: 36°40'N 03°18'E

Radio Address: METEO Alger Aéroport Houari Boumédienne

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	161,825 MHz		36°40'N 03°18'E	H24
RT (MF)	**B**	1 792 kHz		36°40'N 03°18'E	H24

Broadcast Times	Frequency ID	Contents of Broadcast
0730, 2330	**A**	Weather forecast for shipping for Alboran, Palos, Algiers, Cabrera, Sardinia, Annaba. Weather forecast for Algerian Coasts : Saidia-Cherchel-Algiers-Tabarka Special Marine Weather Bulletin repeated each hour before the beginning of validity, and each 2 hours during validity, and each ½ hour in case of storm or more. In French and English.
0903, 1703	**B**	Weather forecast for shipping for Alboran, Palos, Algiers, Cabrera, Sardinia and Annaba. Weather forecast for Algerian Coasts : Saidia-Cherchel-Algiers-Tabarka Special Marine Weather Bulletin repeated each hour before the beginning of validity, and each 2 hours during validity, and each ½ hour in case of storm or more. In French and English.

Maritime Radio Station: Annaba Radio

Call Sign: 7TB

24-hour watch

METAREA: III

Area Covered: North Africa and Western Mediterranean

Region: WMO REGION: I

Position: 36°54'N 07°46'E

Radio Address: METEO Annaba-Les Salines

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	1 911 kHz		36°54'N 7°46'E	H24
VHF	B	161,80 MHz		36°54'N 7°46'E	H24

Broadcast Times	Frequency ID	Contents of Broadcast
0850, 1850	A	Weather forecast for shipping for Alboran, Palos, Algiers, Cabrera, Sardinia, Annaba. Weather forecast for Algerian Coasts : Saidia-Cherchel-Algiers-Tabarka Special Marine Weather Bulletin repeated each hour before the beginning of validity, and each 2 hours during validity, and each ½ hour in case of storm or more. In French and English.
0703, 2303	B	Weather forecast for shipping for Alboran, Palos, Algiers, Cabrera, Sardinia, Annaba. Weather forecast for Algerian Coasts : Saidia-Cherchel-Algiers-Tabarka Special Marine Weather Bulletin repeated each hour before the beginning of validity, and each 2 hours during validity, and each ½ hour in case of storm or more. In French and English.

Maritime Radio Station: Arzew Radio

Call Sign: 7TW

24-hour watch

METAREA: III

Area Covered: North Africa and Western Mediterranean

Region: WMO REGION: I

Position: 35°43'N 00°18'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	161,95 MHZ			H24

Broadcast Times	Frequency ID	Contents of Broadcast
0703, 2303		Weather forecast for shipping for Alboran, Palos, Algiers, Cabrera, Sardinia, Annaba Weather forecast for Algerian Coasts: Saidia-Cherchel-Algiers-TabarkaSpecial Marine Weather Bulletin repeated each hour before the beginning of validity, and each 2 hours during validity, and each ½ hour in case of storm or more. In French and English.

Maritime Radio Station: Bejaia Radio — Call Sign: 7TG

08h-18h watch

METAREA: III
Area Covered: North Africa and Western Mediterranean

Region: WMO REGION: I
Position: 36°14'N 05°06'E
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
	A	161.90 MHz			h24

Broadcast Times	Frequency ID	Contents of Broadcast
0733, 2333	A	Weather forecast for shipping for Alboran, Palos, Algiers, Cabrera, Sardinia, Annaba. Weather forecast for Algerian Coasts : Saidia-Cherchel-Algiers-Tabarka Special Marine Weather Bulletin repeated each hour before the beginning of validity, and each 2 hours during validity, and each ½ hour in case of storm or more. In French and English.

Maritime Radio Station: Ghazouet Radio — Call Sign: 7TE

08h-18h watch

METAREA: III
Area Covered: North Africa and Western Mediterranean

Region: WMO REGION: I
Position: 35°04'N 01°08'W
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	162 MHz			H24

Broadcast Times	Frequency ID	Contents of Broadcast
0703, 2303	A	Weather forecast for shipping for Alboran, Palos, Algiers, Cabrera, Sardigna, Annaba. Weather forecast for Algerian Coast : Saidia-Cherchel-Algiers-Tabarka Special Marine Weather Bulletin repeated each hour before the beginning of validity, and each 2 hours during validity, and each ½ hour in case of storm or more. In French and English.

Maritime Radio Station: Oran **Call Sign: 7TO**

24-hour watch

METAREA: III

Area Covered: North Africa and Western Mediterranean

Region: WMO REGION: I

Position: 35°46'N 00°33'W

Radio Address: METEO Oran-Es-Senia

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	1 735 kHz		35°46'N 0°33'W	H24
VHF	**B**	161,85 MHz		35°46'N 0°33'W	H24

Broadcast Times	Frequency ID	Contents of Broadcast
0835, 1835	**A**	Weather forecast for shipping for Alboran, Palos, Algiers, Cabrera, Sardinia, Annaba. Weather forecast for Algerian Coasts : Saidia-Cherchel-Algiers-Tabarka Special Marine Weather Bulletin repeated each hour before the beginning of validity, and each 2 hours during validity, and each ½ hour in case of storm or more. In French and English.
0703, 2303	**B**	Weather forecast for shipping for Alboran, Palos, Algiers, Cabrera, Sardinia, Annaba. Weather forecast for Algerian Coasts : Saidia-Cherchel-Algiers-Tabarka Special Marine Weather Bulletin repeated each hour before the beginning of validity, and each 2 hours during validity, and each ½ hour in case of storm or more. In French and English.

Commercial Station: Radiodiffusion Télévision Algérienne **Call Sign:**

Region: WMO REGION: I

METAREA: III

Position:

Area Covered: North Africa and western Mediterranean.

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
	A	980 kHz		Alger	
	B	1 304 kHz		Oran	
	C	11 810 kHz		Alger	
	D	692 kHz		Michelet	
	E	1 142 kHz		Constantine	
	F	9 510 kHz		Alger	
	G	890 kHz		Alger	
	H	6 080 kHz		Alger	
	I	9 685 kHz		Alger	
	J	11 835 kHz		Alger	
	K	529 kHz		Constantine	
	L	11 715 kHz		Alger	
	N	11 421 kHz		Alger	
	O	548 kHz		Oran	
	Q	746 kHz		Tlemcen	

Broadcast Times	Frequency ID	Contents of Broadcast
1300, 2000	**A, B, L**	Probabilities for the following day for the area affected (weather, wind, sea). Special weather bulletin. Special Marine weather bulletin: gale/storm/hurricane warnings. Supplementary information for coastal shipping and fishing (not at 2000). In French.
1300, 2000	**C**	Probabilities for the following day for the area affected (weather, wind, sea). Special weather bulletin. Special Marine weather bulletin: gale/storm/hurricane warnings. Supplementary information for coastal shipping and fishing (not at 2000). In Arabic.
1300, 2000	**D, I, N**	Probabilities for the following day for the area affected (weather, wind, sea). Special weather bulletin. Special Marine weather bulletin: gale/storm/hurricane warnings. Supplementary information for coastal shipping and fishing (not at 2000). In Kabyl.
1300, 2000	**E, K, O**	Probabilities for the following day for the area affected (weather, wind, sea). Special weather bulletin. Special Marine weather bulletin: gale/storm/hurricane warnings. Supplementary information for coastal shipping and fishing (not at 2000). In Arabic.
1300	**F**	Probabilities for the following day for the area affected (weather, wind, sea). Special weather bulletin. Special Marine weather bulletin: gale/storm/hurricane warnings. Supplementary information for coastal shipping and fishing (not at 2000). In Arabic.
2000	**H**	Probabilities for the following day for the area affected (weather, wind, sea). Special weather bulletin. Special Marine weather bulletin: gale/storm/hurricane warnings. Supplementary information for coastal shipping and fishing (not at 2000). In French.
1300	**J, Q**	Probabilities for the following day for the area affected (weather, wind, sea). Special weather bulletin. Special Marine weather bulletin: gale/storm/hurricane warnings. Supplementary information for coastal shipping and fishing (not at 2000). In French.

Maritime Radio Station: Skikda Radio

Call Sign: 7TS

08h-18h watch

METAREA: III

Area Covered: North Africa and Western Mediterranean

Region: WMO REGION: I

Position: 36°24'N 06°52'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
	A	161,85 MHz			H24

Broadcast Times	Frequency ID	Contents of Broadcast
0703, 2303	A	Weather forecast for shipping for Alboran, Palos, Algiers, Cabrera, Sardigna, Annaba. Weather forecast for Algerian Coasts : Saidia-Cherchel-Algiers-Tabarka Special Marine Weather Bulletin repeated each hour before the beginning of validity, and each 2 hours during validity, and each ½ hour in case of storm or more. In French and English.

Maritime Radio Station: Tenes Radio

Call Sign: 7TN

08h-18h watch

METAREA: III

Area Covered: North Africa and Western Mediterranean

Region: WMO REGION: I

Position: 36°30'N 01°19'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
	A	161,80 MHz			H24

Broadcast Times	Frequency ID	Contents of Broadcast
0733, 2333	A	Weather forecast for shipping for Alboran, Palos, Algiers, Cabrera, Sardigna, Annaba. Weather forecast for Algerian Coast : Saidia-Cherchel-Algiers-Tabarka Special Marine Weather Bulletin repeated each hour before the beginning of validity, and each 2 hours during validity, and each ½ hour in case of storm or more. In French and English.

Maritime Radio Station: Luanda **Call Sign: D3E**

24-hour watch

Region: WMO REGION: I

METAREA: VII

Position: 08°48'S 13°16'E

Area Covered: The area in the south Atlantic enclosed by the Greenwich meridian, 18°S and the African coast.

Radio Address: METEO Luanda

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	**A**	8 291.1 kHz			
RT (HF)	**A**	4 143 kHz			
VHF	**B**	Ch 24			

Broadcast Times	Frequency ID	Contents of Broadcast
0233, 0633, 1033, 1433, 1833, 2233	**A, C**	Navigational warnings: Navigational warnings: Local warnings. In Portuguese.

Marine Rescue Co-ordination Centre: Bahía Blanca (PREFECTURA NAVAL)

Call Sign: L2N

METAREA: VI

Area Covered: South Atlantic - Atlantic area of Argentina from Claromecó to the mouth of the Río Negro (Zone III)

Region: WMO REGION: VI

Position: 38°43'S 62°6'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
FM	A	Ch 15			
	B	156.75 MHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0010, 0410	A	Navigational warnings: Local navigational warnings. In Spanish.
1610, 2010	B	Navigational warnings: Local navigational warnings. In Spanish.
0810, 1210	B	Navigational warnings: Local navigational warnings. In Spanish and English.

Navtex Station: Bahía Blanca (PREFECTURA NAVAL)

Call Sign: L2N

METAREA: VI

Area Covered: South Atlantic - Atlantic area of Argentina from Claromecó to the mouth of the Río Negro (Zone III)

Region: WMO REGION: VI

Position: 38°43'S 62°6'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[D]	490 kHz			
MSI	[P]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0230 0630 1030 1430 1830 2230	[D]	
0630, 1430, 2230	[P]	Local weather bulletin. In English. Navigational warnings: Local navigational warnings. In English.
0230, 1030, 1830	[P]	Local weather bulletin. In Spanish. Navigational warnings: Local navigational warnings. In Spanish.

Marine Rescue Co-ordination Centre: Buenos Aires (PREFECTURA NAVAL) **Call Sign: L2B, L2G**

24-hour watch

Region: WMO REGION: VI
Position: 34°27'S 58°37'W
Radio Address:

METAREA: VI

Area Covered: South Atlantic
Area I: Covers the Río de la Plata, from the mouths of the Paraná and uruguay rivers up to an imaginary line joining PUNTA DEL ESTE (Uruguay 34°58'10"S, 54°57'05"W) and PUNTA RASA DEL CABO SAN ANTONIO (Argentina 36°17'38"S, 56°47'05"W), and the area of the Atlantic ocean between the two geographical points and 300 n miles out to sea.

Mode Of Transmission	ID	Frequency	Area/International Ch No.	Remote Transmittng Site - Position	Hours of Operation
FM	**A**	4 210 kHz			
FM	**B**	8 416.5 kHz			
FM	**C**	12 579 kHz			
FM	**D**	16 806.5 kHz			
VHF	**E**	161.50 MHz			
VHF	**F**	156.75 MHz			

Broadcast Times	Frequency ID	Contents of Broadcast
1000, 1900	**A-C**	Navigational warnings. In Spanish and English.
1900	**D**	Navigational warnings. In Spanish.
0810, 1210	**E**	In Spanish and English. Navigational warnings.
0410	**E**	Navigational warnings. In Spanish
1610, 2010	**E**	Navigational warnings.
0010	**F**	Navigational warnings. In Spanish.

Navtex Station: Buenos Aires (PREFECTURA NAVAL) **Call Sign: L2B, L2G**

Region: WMO REGION: VI
Position: 34°27'S 58°37'W
Radio Address:

METAREA: VI

Area Covered: South Atlantic
Area I: Covers the Río de la Plata, from the mouths of the Paraná and uruguay rivers up to an imaginary line joining PUNTA DEL ESTE (Uruguay 34°58'10"S, 54°57'05"W) and PUNTA RASA DEL CABO SAN ANTONIO (Argentina 36°17'38"S, 56°47'05"W), and the area of the Atlantic ocean between the two geographical points and 300 n miles out to sea.

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[F]	490 kHz			
MSI	[R]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0050 0450 0850 1250 1650 2050	[F]	
0650, 1450, 2250	[R]	Local weather bulletin for Area I. Navigational warnings: Local navigational warnings.
0250, 1050, 1850	[R]	Local weather bulletin for Area I. In Spanish. Navigational warnings: Local navigational warnings. In Spanish.

Marine Rescue Co-ordination Centre: Comodoro Rivadavia (PREFECTURA NAVAL) **Call Sign: L2W, L3A, L3B**

24-hour watch

Region: WMO REGION: VI
Position: 45°51'S 67°25'W
Radio Address: Oceanographic Centre SERHIDRO

METAREA: VI

Area Covered: South Atlantic
Area I: Covers the Río de la Plata, from the mouths of the Paraná and uruguay rivers up to an imaginary line joining PUNTA DEL ESTE (Uruguay 34°58'10"S, 54°57'05"W) and PUNTA RASA DEL CABO SAN ANTONIO (Argentina 36°17'38"S, 56°47'05"W), and the area of the Atlantic ocean between the two geographical points and 300 n miles out to sea.
Area II: The Atlantic Ocean between 36°17'38"S, and 55°00'00"S.
Zone III: the Falkland Islands (Islas Malvinas)

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 065 kHz			
RT (HF)	**B**	4 149 kHz			
RT (HF)	**C**	8 294 kHz			
VHF	**D**	Ch 15			
Radio-Telex	**E**	4 210 kHz			
Radio-Telex	**F**	8 416.5 kHz			
Radio-Telex	**G**	12 579 kHz			
Radio-Telex	**H**	19 685.5 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0440	**A**	Navigational warnings. In Spanish.
1740	**B, C**	Navigational warnings. In Spanish and English.
0350, 0750, 1050, 1650, 2250	**D**	Navigational warnings. In Spanish.
0530	**E**	Navigational warnings. In Spanish.
1830	**F-H**	Navigational warnings. In Spanish.

Call Sign Series: L2A-L9Z

Navtex Station: Comodoro Rivadavia (PREFECTURA NAVAL)

Call Sign: L2W, L3A, L3B

24-hour watch

METAREA: VI

Area Covered: South Atlantic
Area I: Covers the Río de la Plata, from the mouths of the Paraná and uruguay rivers up to an imaginary line joining PUNTA DEL ESTE (Uruguay 34°58'10"S, 54°57'05"W) and PUNTA RASA DEL CABO SAN ANTONIO (Argentina 36°17'38"S, 56°47'05"W), and the area of the Atlantic ocean between the two geographical points and 300 n miles out to sea.
Area II: The Atlantic Ocean between 36°17'38"S, and 55°00'00"S.
Zone III: the Falkland Islands (Islas Malvinas)

Region: WMO REGION: VI
Position: 45°51'S 67°25'W
Radio Address: Oceanographic Centre SERHIDRO

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[O]	490 kHz			
MSI	[O]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0620, 1420, 2220	[O]	Local weather bulletin. In English. Navigational warnings: Local navigational warnings. In English.
0220, 1020, 1820	[O]	Local weather bulletin. In Spanish. Navigational warnings: Local navigational warnings. In Spanish.

Marine Rescue Co-ordination Centre: Delta (PREFECTURA NAVAL)

Call Sign: L9O

METAREA: VI

Area Covered:

Region: WMO REGION: VI
Position:
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
	A	161.775 MHz			

Broadcast Times	Frequency ID	Contents of Broadcast
H24, 00, 15, 30, 45	A	In Spanish and English. Navigational warnings.

Marine Rescue Co-ordination Centre: Mar del Plata (PREFECTURA NAVAL)

Call Sign: L2T, L2U

24-hour watch

METAREA: VI

Area Covered: South Atlantic - Atlantic area of Argentina between 36°S and the mouth of Río Negro (Zones II and III) (see map)

Region: WMO REGION: VI

Position: 38°03'S 57°32'W

Radio Address: Oceanographic Centre SERHIDRO

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	2 065 kHz			L2T
RT (HF)	B	4 149 kHz			L2T
RT (HF)	C	8 294 kHz			L2T
	D	156.75 MHz			L2U

Broadcast Times	Frequency ID	Contents of Broadcast
0310, 1610	A-C	Navigational warnings. In Spanish.
0230, 0530, 1130, 1130, 1730, 2330	D	Navigational warnings. In Spanish and English.

Navtex Station: Mar del Plata (PREFECTURA NAVAL)

Call Sign: L2T, L2U

24-hour watch

METAREA: VI

Area Covered: South Atlantic - Atlantic area of Argentina between 36°S and the mouth of Río Negro (Zones II and III) (see map)

Region: WMO REGION: VI

Position: 38°03'S 57°32'W

Radio Address: Oceanographic Centre SERHIDRO

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[Q]	490 kHz			
MSI	[Q]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0640, 1440, 2240	[Q]	Weather bulletin. In English.
0240, 1040, 1840	[Q]	Weather bulletin. In Spanish.

Marine Rescue Co-ordination Centre: Puerto Madryn (PREFECTURA NAVAL)

Call Sign: L4S

METAREA: VI

Area Covered: Area II - the Atlantic Ocean between 36°17'38"S, and 55°00'00"S

Region: WMO REGION: VI

Position: 42°46'S 65°02'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 15			

Broadcast Times	Frequency ID	Contents of Broadcast
0010, 0410, 0810, 1210, 1610, 2010	**A**	Navigational warnings. In Spanish.

Marine Rescue Co-ordination Centre: Quequén (PREFECTURA NAVAL)

Call Sign: L5B

METAREA: VI

Area Covered: Area II - the Atlantic Ocean between 36°17'38"S, and 55°00'00"S

Region: WMO REGION: VI

Position: 38°34'S 58°42'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 15			

Broadcast Times	Frequency ID	Contents of Broadcast
0010, 0410, 0810, 1210, 1610, 2010	**A**	Navigational warnings. In Spanish.

Marine Rescue Co-ordination Centre: Rawson (PREFECTURA NAVAL)

Call Sign: L4R

METAREA: VI

Area Covered:

Region: WMO REGION: VI

Position: 43°20'S 65°03'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 15			

Broadcast Times	Frequency ID	Contents of Broadcast
0010, 0410, 0810, 1210, 1610, 2010	A	In Spanish and English. Navigational warnings.

Marine Rescue Co-ordination Centre: Recalada Río de la Plata (PREFECTURA NAVAL)

Call Sign: L3Z

METAREA: VI

Area Covered: Area II - the Atlantic Ocean between 36°17'38"S, and 55°00'00"S

Region: WMO REGION: VI

Position: 35°10'S 56°19'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 15			

Broadcast Times	Frequency ID	Contents of Broadcast
0040, 0440, 0840, 1240, 1640, 2040	A	Navigational warnings. In Spanish.

Marine Rescue Co-ordination Centre: Rio Gallegos (PREFECTURA NAVAL)

Call Sign:

24-hour watch

Region: WMO REGION: VI

METAREA: VI

Position: 51°37'S 69°03'W

Area Covered: South Atlantic - Area II - the Atlantic Ocean between 36°17'38"S, and 55°00'00"S

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 15			

Broadcast Times	Frequency ID	Contents of Broadcast
0010, 0410, 0810, 1210, 1610, 2010	A	Local weather bulletin. In Spanish. Navigational warnings: Local navigational warnings and water level reports. In Spanish.

Navtex Station: Rio Gallegos (PREFECTURA NAVAL)

Call Sign:

Region: WMO REGION: VI

METAREA: VI

Position: 51°37'S 69°03'W

Area Covered: South Atlantic - Area II - the Atlantic Ocean between 36°17'38"S, and 55°00'00"S

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[N]	490 kHz			
MSI	[N]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0610, 1410, 2210	[N]	Local weather bulletin. In English. Navigational warnings: Local navigational warnings and water level reports. In English.
0210, 1010, 1810	[N]	Local weather bulletin. In Spanish. Navigational warnings: Local navigational warnings and water level reports. In Spanish.

Marine Rescue Co-ordination Centre: San Antonio Oeste (PREFECTURA NAVAL)

Call Sign: L4V, L3I

METAREA: VI

Area Covered:

Region: WMO REGION: VI

Position: 40°50'S 64°54'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 15			

Broadcast Times	Frequency ID	Contents of Broadcast
0010, 0410, 0810, 1210, 1610, 2010	**A**	Navigational warnings. In Spanish.

Marine Rescue Co-ordination Centre: Ushuaia (PREFECTURA NAVAL)

Call Sign: L3P

24-hour watch

METAREA: VI

Area Covered: South Atlantic - Atlantic area of Argentina from Faro Cabo Guardián to Ushuaia

Region: WMO REGION: VI

Position: 54°48'S 68°18'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 15			

Broadcast Times	Frequency ID	Contents of Broadcast
0010, 0410, 0810, 1210, 1610, 2010	**A**	

Navtex Station: Ushuaia (PREFECTURA NAVAL) **Call Sign: L3P**

METAREA: VI

Area Covered: South Atlantic - Atlantic area of Argentina from Faro Cabo Guardián to Ushuaia

Region: WMO REGION: VI

Position: 54°48'S 68°18'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[M]	490 kHz			
MSI	[M]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0600, 1400, 2200	[M]	Local weather bulletin. In English. Navigational warnings: Local navigational warnings. In English.
0200, 1400, 2200	[M]	Local weather bulletin. In Spanish. Navigational warnings: Local navigational warnings. In Spanish.

Maritime Radio Station: RAF VOLMET **Call Sign:**

Region: WMO REGION: I

METAREA: VII

Position:

Area Covered:

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	**A**	5 450 kHz		Ascension Island 07°58'S 14°24'W	
RT (HF)	**B**	11 253 kHz		Ascension Island 07°58'S 14°24'W	

Broadcast Times	Frequency ID	Contents of Broadcast
Every H+19, H+49	**A**	Weather bulletins.
Every H+19, H+49	**A, B**	Volmet is a meteorological service provided for aviation which continuously broadcasts reports of actual weather conditions and / or weather forecasts for selected airfields on HF SSB. The information given consists of: airport name, wind direction and speed, visibility, cloud amount and height, air temperature and dew point temperature, sea level pressure and any significant weather. If no updated weather report arrives within one hour of the last report the a 'NO REPORT' is transmitted.

Maritime Radio Station: Charleville (Queensland) **Call Sign: VMC**

Region: WMO REGION: V

METAREA: X

Position:

Area Covered: Northern, North Eastern and South Eastern high seas areas. Coastal waters between Cape Don in the Northern Territory and Eucla in Western Australia, including all Queensland, New South Wales, Victoria, Tasmania and South Australia zones.

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	**A**	2 201 kHz(3)			
RT (HF)	**B**	4 426 kHz(4)			
RT (HF)	**C**	6 507 kHz(3)			
RT (HF)	**D**	8 176 kHz			
RT (HF)	**E**	12 365 kHz			
RT (HF)	**F**	16 546 kHz(4)			

Broadcast Times	Frequency ID	Contents of Broadcast
Hourly (1)	**A**	Strong wind/gale/storm/hurricane warnings. In English.
Every 4 hours on the half hour (2)	**B-F**	Forecasts and coastal weather observations. In English.

NOTE:
VMC broadcasts on four frequencies simultaneously, refer to footnotes (3) and (4).
Web link: http://www.bom.gov.au/marine/marine_weather_radio.shtml

(1) Warnings are broadcast on the hour every hour.
(2) Forecasts and coastal reports are broadcast on the half hour for the areas above using a program which is repeated every 4 hours.
(3) Frequency used during night hours only (6pm-7am Eastern Standard Time).
(4) Frequency used during day hours only (7am-6pm Eastern Standard Time).

Maritime Radio Station: Wiluna (Western Australia) **Call Sign: VMW**

Region: WMO REGION: V

METAREA: X

Position:

Area Covered: Northern, Western and South Eastern high seas areas. Coastal waters between the South Australia - Victoria border and Torres Strait in Queensland including all South Australia, Western Australia and Northern Territory zones.

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	**A**	2 056 kHz(3)			
RT (HF)	**B**	4 149 kHz(4)			
RT (HF)	**C**	6 230 kHz(3)			
RT (HF)	**D**	8 113 kHz			
RT (HF)	**E**	12 362 kHz			
RT (HF)	**F**	16 528 kHz(4)			

Broadcast Times	Frequency ID	Contents of Broadcast
Hourly (1)	**A**	Strong wind/gale/storm/hurricane warnings. In English.
Every 4 hours on the half hour (2)	**B-F**	Forecasts and coastal weather observations. In English.

NOTE:
VMW broadcasts on four frequencies simultaneously, refer to footnotes (3) and (4).
Web link: http://www.bom.gov.au/marine/marine_weather_radio.shtml

(1) Warnings are broadcast on the hour every hour.
(2) Forecasts and coastal reports are broadcast on the half hour for the areas above using a program which is repeated every 4 hours.
(3) Frequency used during night hours only (6pm-7am Eastern Standard Time).
(4) Frequency used during day hours only (7am-6pm Eastern Standard Time).

Commercial Station: Radio Österreich International (ORF) **Call Sign:**

Region: WMO REGION: VI
METAREA: I
Position:
Area Covered:
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	**A**	5 945 kHz			
AM	**B**	6 155 kHz			
AM	**C**	13 730 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
1815	**A, B**	Weather bulletins, European weather prognosis and station reports for Areas M1 to M9.
0610, 0954(1), 1057(2), 1615	**B, C**	Weather bulletins, European weather prognosis and station reports for Areas M1 to M9.

NOTE:
Station operates between 25 March and 27 October only.

(1) Sunday only.
(2) Except Sunday.

AZORES (PORTUGAL)

Call Sign Series:

Marine Rescue Co-ordination Centre: Delgada (MRCC)

Call Sign:

Region: WMO REGION: VI
Position: 37°44'N 25°40'W
Radio Address:

METAREA: II
Area Covered: Coasts of Açores within 20 nautical miles off the coast - Eastern Group

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 11		37°44'N 25°40'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0830, 2000	A	Navigation warnings. Gale, Storm and Poor Visibility warnings. For 0935 UTC (2135 UTC) broadcast: Synopsis of 00 UTC (12UTC) and Forecasts (wind, visibility, significant weather, sea and swell) valid for 24 hours from 06 UTC (18 UTC) to the 3 groups of the Açores Islands: Western Group: Flores and Corvo; Central Group: Terceira, S. Jorge, Faial and Graciosa; Eastern Group: S. Miguel and Santa Maria. In Portuguese.

Navtex Station: Horta

Call Sign:

Region: WMO REGION: VI
Position: 38°32'N 28°38'W
Radio Address:

METAREA: II
Area Covered: North Atlantic to Barents Sea
Coastal waters within 200 nautical miles offshore coast of Açores

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[J]	490 kHz			
MSI	[F]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0130, 0530, 0930, 1330, 1730, 2130	[J]	In Portuguese.
0050, 0450, 0850, 1250, 1650, 2050	[F]	

AZORES (PORTUGAL)

Call Sign Series:

Marine Rescue Co-ordination Centre: Horta (Radionaval)

Call Sign: CTH

Region: WMO REGION: VI

METAREA: II

Position: 38°32'N 28°38'W

Area Covered: North Atlantic to Barents Sea
AREA 1: Coasts of Açores within 20 nautical miles off the coast Western and Central Group;
AREA 2: Eastern North Atlantic waters for : Sub-Zone 3: ALTAIR; Sub-Zone 5: AÇORES; Sub-Zone 7: IRVING; Sub-Zone 30: MILNE; Sub-Zone 31: MARSALA

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 11		38°32'N 28°38'W	
RT (MF)	**B**	2 657 kHz		38°32'N 28°38'W	
VHF	**C**	Ch 11		Delgada	

Broadcast Times	Frequency ID	Contents of Broadcast
0900, 2100	**A**	AREA 1: Navigation warnings. Gale, Storm and Poor Visibility warnings. For 0935 UTC (2135 UTC) broadcast: Synopsis of 00 UTC (12UTC) and Forecasts (wind, visibility, significant weather, sea and swell) valid for 24 hours from 06 UTC (18 UTC) to the 3 groups of the Açores Islands: Western Group: Flores and Corvo; Central Group: Terceira, S. Jorge, Faial and Graciosa; Eastern Group: S. Miguel and Santa Maria. In Portuguese.
0935, 2135	**B**	AREA 2: Navigation warnings within 200 nautical miles offshore coast of Açores; Gale, Storm and Poor Visibility warnings; For 0705UTC (1905UTC) broadcast: Synopsis of 00UTC (12UTC) and Forecasts (wind, visibility, significant weather, sea and swell) valid for 24 hours from 06UTC (18UTC). In Portuguese repeated in English.
0935, 2135	**B**	AREA 1: Navigation warnings. Gale, Storm and Poor Visibility warnings. For 0935 UTC (2135 UTC) broadcast: Synopsis of 00 UTC (12UTC) and Forecasts (wind, visibility, significant weather, sea and swell) valid for 24 hours from 06 UTC (18 UTC) to the 3 groups of the Açores Islands: Western Group: Flores and Corvo; Central Group: Terceira, S. Jorge, Faial and Graciosa; Eastern Group: S. Miguel and Santa Maria. B: Navigation warnings within 200 nautical miles offshore coast of Açores; Gale, Storm and Poor Visibility warnings; For 0705UTC (1905UTC) broadcast: Synopsis of 00UTC (12UTC) and Forecasts (wind, visibility, significant weather, sea and swell) valid for 24 hours from 06UTC (18UTC). In Portuguese.
0830;2000 (LT)	**C**	AREA 1: Navigation warnings. Gale, Storm and Poor Visibility warnings. For 0935 UTC (2135 UTC) broadcast: Synopsis of 00 UTC (12UTC) and Forecasts (wind, visibility, significant weather, sea and swell) valid for 24 hours from 06 UTC (18 UTC) to the 3 groups of the Açores Islands: Western Group: Flores and Corvo; Central Group: Terceira, S. Jorge, Faial and Graciosa; Eastern Group: S. Miguel and Santa Maria. In Portuguese.

Commercial Station: Radio Bahamas (Broadcasting Corp. of the Bahamas) **Call Sign:**

Region: WMO REGION: IV

METAREA: IV

Position:

Area Covered: All Bahamas Islands and adjacent waters

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
FM	**A**	104.5 kHz			
AM	**A**	1 540 kHz			
AM	**A**	810 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
1205 LT	**A**	Monday-Friday: Detailed shipping weather reports (Weather information supplied by the Bahamas Meteorological Department).
0815	**A**	Forecast, synopsis and outlook for the Bahamas area.
Every H+00	**A**	Storm warnings through relay link Bahamas Meteorological Department broadcast in the even of a tropical distrubance in the area.

BAHRAIN **Call Sign Series: A9A-A9Z**

Navtex Station: Hamala **Call Sign:**

METAREA: IX

Area Covered:

Region: WMO REGION: II

Position: 26°09'N 50°28'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[B]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0010, 0410, 0810, 1210, 1610, 2010	[B]	Navigational warnings: For Persian Gulf and approaches. In English.
0410, 1610	[B]	Synopsis and 24 hour forecast for Persian Gulf, Strait of Hormuz and Gulf of Oman. In English.

Maritime Radio Station: Chittagong **Call Sign: S3D**

24-hour watch

METAREA: VIII(N)

Area Covered: Sea area in the Bay of Bengal north of latitude 18°N.

Region: WMO REGION: II

Position: 22°20'N 92°00'E

Radio Address: METEO Weather

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 182 kHz		22°20'N 92°00'E	

Broadcast Times	Frequency ID	Contents of Broadcast
0850, 1650	**A**	General inference, forecast for N Bay of Bengal, (NW and NE). In English.
0450, 1250, 2050	**A**	Storm warnings on development of a cyclonic storm for N Bay of Bengal (NW and NE) General inference. In English.
0050	**A**	Issued in the event of disturbed weather or when a depression has formed for N Bay of Bengal, (NW and NE). In English.
On receipt	**A**	Storm warnings issued in the event of the unexpected development of a cyclonic storm for N Bay of Bengal, (NW and NE). In English.

Marine Rescue Co-ordination Centre: Barbados Coast Guard (8PO) (MRSC)

Call Sign:

24-hour watch

METAREA: IV

Area Covered:

Region: WMO REGION: IV
Position: 13°05'N 59°37'W
Radio Address: METEO Barbados

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 16 26			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt 0050, 1250, 1650, 2050	A	Storm warnings for Caribbean Sea, Antilles and adjacent Atlantic waters. In English.

Commercial Station: Barbados Rediffusion Service Ltd.

Call Sign:

METAREA: IV

Area Covered: Caribbean Sea, Lesser Antilles and Atlantic waters to the East

Region: WMO REGION: IV
Position:
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	A	790 kHz			
FM	B	104.1 MHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0615, 0715, 1240, 1928	A, B	Present weather, temperature, humidity, pressure, cloud coverage, wind speed, forecast, tide times, sea conditions, rainfall for the Caribbean Sea, Lesser Antilles and the Windward Islands.
On receipt	A, B	Storm / Hurricane warnings.

Commercial Station: Caribbean Broadcasting Corportaion (Radio Barbados) **Call Sign:**

Region: WMO REGION: IV
Position:
Radio Address:

METAREA: IV
Area Covered:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	**A**	900 kHz(2)			
FM	**B**	98.1 MHz			

Broadcast Times	Frequency ID	Contents of Broadcast
1030, 1110, 2253,	**A**	Forecast for Caribbean Sea, Lesser Antilles and Atlantic waters to the east.
On receipt Repeated at frequent intervals as necessary.	**A, B**	Storm warnings for Caribbean Sea, Lesser Antilles and Atlantic waters to the east.
1055	**B**	Forecast for Caribbean Sea, Lesser Antilles and Atlantic waters to the east.

(1) 0859-0400 on Fridays and Saturdays.
(2) When C.B.C.. is inoperative hurricane bulletins will be broadcast on receipt and repeated at frequent intervals on 5 040 kHz (AM).

Maritime Radio Station: Antwerpen Radio

Call Sign: OSW

24-hour watch

Region: WMO REGION: VI

METAREA: I

Position: 51°13'N 04°19'E

Area Covered: Maritime portion of the Schelde

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 24		51°13'N 4°19'E	

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt H+03, H+48		Strong wind warnings for small craft when wind speed is expected to reach Beaufort Force 6 for the Schelde. In English & Dutch. Navigational warnings: For the Schelde.
On receipt Every odd H+05		Storm warnings for the Schelde. In English & Dutch.

Navtex Station: Oostende

Call Sign:

Region: WMO REGION: VI

METAREA: I

Position: 51°11'N 02°48'E

Area Covered: N.Sea/Gulf of Bothania/Finland - Coasts of Belgium and those of Sea Areas Thames and Dover

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[M]	518 kHz	(Thames)		
MSI	[T]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0200, 0600, 1000, 1400, 1800, 2200	[M]	Navigational warnings: For area Juliett. In English.
0310, 0710, 1110, 1510, 1910, 2310	[T]	Gale warnings for Areas Dover and Thames. In English. Navigational warnings: Baltic Ice Code for Netherlands Area Group GG.
0710, 1910	[T]	Weather forecast for areas Dover, Thames. In English.

Maritime Radio Station: Oostende Radio — Call Sign: OST

24-hour watch

METAREA: I

Area Covered: N.Sea/Gulf of Bothania/Finland - Coasts of Belgium and those of Sea Areas Thames and Dover

Region: WMO REGION: VI
Position: 51°11'N 02°48'E
Radio Address: METAERO Brussel

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 761 kHz		51°11'N 2°48'E	
VHF	**B**	Ch 27		51°11'N 2°48'E	

Broadcast Times	Frequency ID	Contents of Broadcast
0233, 0633, 1033, 1433, 1833, 2233	**A**	In English & Dutch.
On receipt	**A,B**	Storm warnings and strong wind warnings for areas Dover, Thames. In English & Dutch.
0103, 0503, 0903, 1303, 1703, 2103	**A,B**	Storm warnings: Strong breeze warnings for Dover, Thames. In English & Dutch.
		Navigational warnings: Ice reports in English for Netherlands Areas Group GG.
0820, 1720	**A,B**	Strong wind warnings and forecast for Dover, Thames. In English & Dutch.

Commercial Station: Vlaamse Radio en Televisie (VRT - Radio 1) — Call Sign:

METAREA: I

Area Covered: Humber, Thames, Dover en Belgische Kust, Wight, Portland(2)

Region: WMO REGION: VI
Position:
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
FM	**A**	91.7 MHz			
FM	**B**	94.2 MHz			
FM	**C**	95.7 MHz			
FM	**D**	98.5 MHz			
AM	**E**	927 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
After the news: 0600, 0700, 0800, 0900, 1700, 2200 LT	**A-E**	Winter only: special storm warnings for storm, wind speed and severe weather. In Dutch.
After the news: 0600, 0700, 0800, 0900, 1700, 2200 LT	**A-E**	Present situation, forecast for the next day and the next few days and indication of windspeed, for areas Dover, Thames, Humber, Wight and portland. In Dutch.

Commercial Station: BFBS Radio 1 (Belize)

Call Sign:

Region: WMO REGION: IV
METAREA: IV
Position:
Area Covered: Belize and adjacent waters
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
FM	A	88.3-99.5 MHz			
FM	A	99.1 MHz		Belize City	

Broadcast Times	Frequency ID	Contents of Broadcast
0707, 0807, 0907, 1007, 1107, 1207, 1607, 1707 (approx)	A	Monday-Friday: Weather forecast.
On receipt	A	Weather warnings.

Commercial Station: Love FM

Call Sign:

Region: WMO REGION: IV
METAREA: IV
Position:
Area Covered: Belize and adjacent waters
Radio Address:

Broadcast Times	Frequency ID	Contents of Broadcast
0645, 1230, 1800 LT	A	After the news: Weather forecast.
On receipt	A	Hurricane and weather warnings.

Maritime Radio Station: Cotonou **Call Sign: TYA**

H12 (0700-1900UTC)

METAREA: II

Area Covered: Cotonou roads

Region: WMO REGION: I

Position: 06°28'N 02°21'E

Radio Address: METEO Cotonou Aérodrome

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	1 813 kHz		6°28'N 2°21'E	

Broadcast Times	Frequency ID	Contents of Broadcast
0818, 1218, 1718	**A**	Navigational warnings: For Coastal waters of Benin. In French.
1003, 1603	**A**	Forecasts for Cotonou Roads. In French.

Marine Rescue Co-ordination Centre: Bermuda Harbour — Call Sign: ZBM

H24

METAREA: IV
Area Covered: Carribean Sea - Bermuda local area and Western North Atlantic area

Region: WMO REGION: IV
Position: 32°23'N 64°41'W
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 27(1)			
RT (MF)	**A**	2 582 kHz(1)			
VHF	**B**	Ch WX2			

Broadcast Times	Frequency ID	Contents of Broadcast
0035, 0435, 0835, 1235, 1635, 2035	**A**	Latest urgent weather and local Bermuda area forecast. Tropical weather advisories for 18°N to 42°N and 50°W to 80°W (1 June to 30 November). Navigational warnings: Local inshore and offshore warnings.
Continuous broadcast	**B**	Recorded voice, weather information for the coastal waters around Bermuda and US National Hurricane Center Tropical Advisories and Tropical Weather Outlook (1 June to 30 November). Broadcasts are repeated every 4-6 minutes and recordings are updated at 0000, 0600 and 1200 and 1800 LT as required.

NOTE:
Available on request - Latest US National Weather Service High Seas forecast for METAREA IV, N of 7°N to 67°N and W of 35°W and US NWS.

(1) After announcement on VHF Ch 116 and RT (MF) 2 182 kHz.

Navtex Station: Bermuda Harbour — Call Sign: ZBM

METAREA: IV
Area Covered: Carribean Sea - Bermuda local area and Western North Atlantic area

Region: WMO REGION: IV
Position: 32°23'N 64°41'W
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[B]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0010, 0410, 0810, 1210, 1610, 2010	[B]	Latest urgent weather and tropical weather warnings for METAREA IV. Forecast for Southwest North Atlantic, S of 31°N, W of 65°W and Local Bermuda Area Forecast. Tropical weather warnings are included during 1 June to 30 November when the event concerned is within the boundaries 18°N to 42°N and 50°W to 80°W. In English. Navigational warnings: Local inshore and offshore warnings. In English.

Maritime Radio Station: Belém — Call Sign: PPL

METAREA: V
Area Covered: Atlantic waters west of 35°W from 3°N to the Equator, and west of 20°W from the Equator to 33°S.

Region: WMO REGION: III
Position: 01°25'S 48°26'W
Radio Address:

Broadcast Times	Frequency ID	Contents of Broadcast
0103, 0603, 1003, 1203, 1503, 2103	**A**	Synopsis, forecast for approaches to Belém. (In Portuguese and English). Navigational warnings: NAVAREA V warnings. Coastal warnings and local warnings for the Brazilian coast north west of Parnaíba in Portuguese only.

Note:
The Centro de Hidrografia Marinha provides a Weather Bulletin for Shipping in Portuguese and English on their website at: www.mar.mil.br/dhn/chm/meteo/inst/indexing.htm

Commercial Station: Belém Radio Liberal — Call Sign:

METAREA: V
Area Covered: Atlantic waters west of 35°W from 3°N to the Equator, and west of 20°W from the Equator to 33°S.

Region: WMO REGION: III
Position:
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	**A**	1 330 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0100, 0900, 1700	**A**	Local navigational warnings for Rio Amazonas and Rio Pará. Water level reports for Rio Pará at Belém for Rio Amazonas at Sanatarém and Manaus.

NOTE:
The Centro de Hidrografia Marinha provides a Weather Bulletin for Shipping in Portuguese and English on their website at: www.mar.mil.br/dhn/chm/meteo/inst/indexing.htm

Commercial Station: Belém Radio Marajoara — Call Sign:

Region: WMO REGION: III
METAREA: V
Position:
Area Covered: Atlantic waters west of 35°W from 3°N to the Equator, and west of 20°W from the Equator to 33°S.
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	**A**	1 130 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0200, 0930, 1800 (except Sundaya)	**A**	Local navigational warnings for Rio Amazonas and Rio Pará. Water level reports for Rio Pará at Belém for Rio Amazonas at Sanatarém and Manaus

NOTE:
The Centro de Hidrografia Marinha provides a Weather Bulletin for Shipping in Portuguese and English on their website at: www.mar.mil.br/dhn/chm/meteo/inst/indexing.htm

Maritime Radio Station: Junção — Call Sign: PPJ

Region: WMO REGION: III
METAREA: V
Position:
Area Covered: Atlantic waters west of 35°W from 3°N to the Equator, and west of 20°W from the Equator to 33°S.
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	**A**	4 381 kHz	(409)		

Broadcast Times	Frequency ID	Contents of Broadcast
0103, 0603, 1003, 1203, 1503, 2103	**A**	Synopsis and forecast for the approaches to Recife and Salvador. In Portuguese and English. Navigational warnings: NAVAREA V warnings. Coastal warnings and local warnings for the Brazilian coast from Porto de Ilhéus to Parnaíba in Portuguese only.

Note:
The Centro de Hidrografia Marinha provides a Weather Bulletin for Shipping in Portuguese and English on their website at: www.mar.mil.br/dhn/chm/meteo/inst/indexing.htm

Maritime Radio Station: Olinda

Call Sign:

Region: WMO REGION: III

METAREA: V

Position:

Area Covered: Atlantic waters west of 35°W from 3°N to the Equator, and west of 20°W from the Equator to 33°S.

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	**A**	4 369 kHz	(405)		

Broadcast Times	Frequency ID	Contents of Broadcast
0103, 0603, 1003, 1203, 1503, 2103	**A**	Synopsis and forecast for the approaches to Recife and Salvador in Portuguese and English. Navigational warnings: NAVAREA V warnings. Coastal warnings and local warnings ifor the Brazilian coast from Porto de Ilhéus to Parnaíba in Portuguese only.

Note:
The Centro de Hidrografia Marinha provides a Weather Bulletin for Shipping in Portuguese and English on their website at: www.mar.mil.br/dhn/chm/meteo/inst/indexing.htm

Maritime Radio Station: Ponta do Céu

Call Sign:

Region: WMO REGION: III

METAREA: V

Position:

Area Covered: Atlantic waters west of 35°W from 3°N to the Equator, and west of 20°W from the Equator to 33°S.

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 16			

Broadcast Times	Frequency ID	Contents of Broadcast
0000, 1200, 1800 On request	**A**	Navigational warnings: Local navigational wwarnings for Río Amazonas.

Note:
The Centro de Hidrografia Marinha provides a Weather Bulletin for Shipping in Portuguese and English on their website at: www.mar.mil.br/dhn/chm/meteo/inst/indexing.htm

Commercial Station: Radio Nacional de Macapá **Call Sign:**

Region: WMO REGION: III

METAREA: V

Position:

Area Covered: Atlantic waters west of 35°W from 3°N to the Equator, and west of 20°W from the Equator to 33°S.

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	**A**	630 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
1100, 1600, 2130	**A**	Local navigational warnings for Río Amazonas and Río Pará. Water level reports for Río Pará at Belém for Río Amazonas at Sanatarém and Manaus.

NOTE:
The Centro de Hidrografia Marinha provides a Weather Bulletin for Shipping in Portuguese and English on their website at: www.mar.mil.br/dhn/chm/meteo/inst/indexing.htm

Maritime Radio Station: Río **Call Sign: PPR**

Station keeping a watch for at least 30 minutes: beginning at 00, 06, 12, 18 UTC daily. A watch is also kept for at least 30 minutes at the beginning of the nearest "single operator period following the standard synoptic hours

Region: WMO REGION: III

METAREA: V

Position: 22°58'S 43°40'W

Area Covered: Atlantic waters west of 35°W from 3°N to the Equator, and west of 20°W from the Equator to 33°S.

Radio Address: METEO RIO

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	**A**	13 137 kHz	(1221)		H24
RT (HF)	**A**	4 381 kHz	(409)		H24
RT (HF)	**A**	4 402 kHz	(416)		H24
RT (HF)	**A**	4 411 kHz	(419)		H24
RT (HF)	**A**	4 417 kHz	(421)		H24
RT (HF)	**A**	8 773 kHz	(819)		H24
RT (HF)	**A**	8 779 kHz	(821)		H24
RT (HF)	**A**	8 782 kHz	(822)		H24
RT (HF)	**A**	8 800 kHz	(828)		H24
RT (HF)	**A**	8 806 kHz	(830)		H24
RT (HF)	**A**	4 366 kHz	(404)		H24
RT (HF)	**A**	13 131 kHz	(1219)		H24
RT (HF)	**A**	17 272 kHz	(1611)		H24
RT (HF)	**A**	17 278 kHz	(1613)		H24
RT (HF)	**A**	17 302 kHz	(1621)		H24
RT (HF)	**A**	17 386 kHz	(1649)		H24
RT (HF)	**A**	22 756 kHz	(2221)		H24
RT (HF)	**A**	22 807 kHz	(2238)		H24
RT (HF)	**A**	22 822 kHz	(2243)		H24
RT (HF)	**A**	22 831 kHz	(2246)		H24
RT (HF)	**A**	22 843 kHz	(2250)		H24
RT (HF)	**A**	22 846 kHz	(2251)		H24
RT (HF)	**A**	13 116 kHz	(1214)		H24
VHF	**B**	25 26 27 28 68 69 70			H24

Broadcast Times	Frequency ID	Contents of Broadcast
On request	**A, B**	Synopsis and forecast for all Areas in Portuguese and English. Navigational warnings: Coastal warnings. Local warnings for the Brazilian coast in Portuguese only.
On receipt	**A, B**	Severe weather warnings in Portuguese and English.

Note:
The Centro de Hidrografia Marinha provides a Weather Bulletin for Shipping in Portuguese and English on their website at: www.mar.mil.br/dhn/chm/meteo/inst/indexing.htm

Marine Rescue Co-ordination Centre: Rio de Janeiro Naval **Call Sign: PWZ33**

Region: WMO REGION: III

METAREA: V

Position:

Area Covered: Atlantic waters west of 35°W from 3°N to the Equator, and west of 20°W from the Equator to 33°S.

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
Radio-data (J2D)	**A**	16 974 kHz			
Radio-data (J2D)	**A**	12 709 kHz			
Radio-data (J2D)	**A**	8 580 kHz			
Radio-data (J2D)	**A**	6 448 kHz			
Radio-data (J2D)	**A**	4 266 kHz(1)			
Radio-telex (F1B)	**B**	16 974 kHz			
Radio-telex (F1B)	**B**	12 709 kHz			
Radio-telex (F1B)	**B**	8 580 kHz			
Radio-telex (F1B)	**B**	6 448 kHz			
Radio-telex (F1B)	**B**	4 266 kHz(1)			

Broadcast Times	Frequency ID	Contents of Broadcast
1430	**A**	Navigational warnings: NAVAREA V warnings. Coastal warnings. In Portuguese and English. Local warnings in Portuguese only.
0230	**A**	Weather bulletins.
0400, 2130	**B**	Navigational warnings: NAVAREA V warnings. Coastal warnings. In Portuguese and English. Local warnings in Portuguese only.
0600, 1845	**B**	Weather bulletins.

Note:
The Centro de Hidrografia Marinha provides a Weather Bulletin for Shipping in Portuguese and English on their website at: www.mar.mil.br/dhn/chm/meteo/inst/indexing.htm

(1) On request.

Navtex Station: Varna **Call Sign:**

METAREA: III

Area Covered: Coastal waters of Bulgaria and region of Black Sea - Mediterranean Sea/Black Sea

Region: WMO REGION: VI

Position: 43°4'N 27°46'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[J]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0130, 0530, 0930, 1330, 1730, 2130	[J]	Navigational warnings: Warnings for central part of western region of Black Sea, Area J (Juliett). In Bulgarian and English.
0530, 1730	[J]	Storm warnings, weather summary, 12 hour forecast for coastal waters of Bulgaria and central western region of Black Sea, Area 2. In Bulgarian and English.

Maritime Radio Station: Varna Radio **Call Sign: LZW**

H24

Region: WMO REGION: VI

METAREA: III

Position: 43°04'N 27°46'E

Area Covered: Mediterranean Sea/Black Sea - Coastal waters of Bulgaria and region of Black Sea

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	3 740 kHz (1)		43°04'N 27°46'E	
Radio-telex	**B**	4 218.5 kHz	(418) (2)	43°04'N 27°46'E	
Radio-telex	**C**	12 587 kHz	(1216) (2)	43°04'N 27°46'E	
VHF	**D**	Ch 26 (3)		Varna 43°15'N 27°57'E	
VHF	**D**	Ch 26 (3)		Peak Kitka 42°18'N 27°45'E	
VHF	**D**	Ch 26 (3)		Cape Kaliakra 42°43'N 27°52'E	
VHF	**D**	Ch 26 (3)		Cape Emine 42°43'N 27°52'E	

Broadcast Times	Frequency ID	Contents of Broadcast
1303	**A**	Observations from stations at Shabla, Cap Kaliakra, Varna, Cap Emine, Bourgas and Ahtopol. In Bulgarian and English
0703, 1903	**A**	Storm warnings, weather summary, 12 hour forecast for coastal waters of Bulgaria and central western region of Black Sea, Area 2. Navigational warnings: For central part of western region of Black Sea, Area 2.
On receipt	**A-D**	Storm and gale warnings. In Bulgarian and English. Navigational warnings: For central part of western region of Black Sea, Area 2.
0630, 1830	**B,C**	Storm warnings, weather summary, 12 hour forecast for coastal waters of Bulgaria and central western region of Black Sea, Area 2. In Bulgarian and English. Navigational warnings: For central part of western region of Black Sea, Area 2.
1230	**C**	Observations from stations at Shabla, Cap Kaliakra, Varna, Cap Emine, Bourgas and Ahtopol. In Bulgarian and English
1333	**D**	Observations from stations at Shabla, Cap Kaliakra, Varna, Cap Emine, Bourgas and Ahtopol.
0733, 1933	**D**	Storm warnings, weather summary, 12 hour forecast for coastal waters of Bulgaria and central western region of Black Sea, Area 2. In Bulgarian and English. Navigational warnings: For central part of western region of Black Sea, Area 2.

(1) After prior announcement on DSC 2187.5 kHz.
(2) After prior announcement on DSC 4207.5 kHz.
(3) After prior announcement on DSC CH 70 and Ch 16.

Marine Rescue Co-ordination Centre: Churchill (CCG) **Call Sign:**

Region: WMO REGION: IV

METAREA: IV

Position:

Area Covered: Arctic coast, Atlantic Coast and S. Lawrence River

Radio Address:

Note: Remotely controlled from station Thunder Bay.

Marine Rescue Co-ordination Centre: Comox (CCG) — Call Sign: VAC

24-hour watch

METAREA: XII
Area Covered: Pacific coast

Region: WMO REGION: IV
Position: 49°45'N 124°57'W
Radio Address: METEO Vancouver

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	WX1		Alert Bay 50°35'N 126°55'W	
VHF	**A**	WX3		Port Hardy 50°42'N 127°42'W	
VHF	**B**	Ch 21B		Texada Island 49°42'N 124°26'W	
VHF	**B**	Ch 21B		Cape Lazo 49°42'N 124°52'W	
VHF	**B**	Ch 21B		Discovery Mt. 50°19'N 125°22'W	

Broadcast Times	Frequency ID	Contents of Broadcast
Continuous broadcast (North) (interrupted during live broadcasts)	**A**	Synopsis and forecast for areas 5, 6, 11-15. Reports from stations: 1. Local and Lt Ho Weather reports from: (a) McInnes Island; (b) Addenbroke Island; (c) Egg Island; (d) Pine Island; (e) Scarlett Point; (f) Pultney Point; (g) Chatham Point; (h) Cape Scott; (i) Quatsino. 2. Automated Weather Reports from: (a) Fanny Island; (b) Herbert Island; (c) Cathedral Point; (d) Sartine Island; (e) Cape S. James; (f) Solander Island. 3. Ocean buoy Reports from: (a) South Hecate Strait; (b) South Moresby; (c) East Dellwood; (d) West Sea Otter; (e) South Brooks.
Continuous broadcast (South) (interrupted during live broadcasts) 0420, 1520, 2120	**A, B**	For West coast of Vancouver Island (N of Lawn Point - 50°20'N 127°58'W), Hecate Strait, Queen Charlotte Sound, Queen Charlotte Strait, Johnstone Strait, Centra Coast and Strait of Georgia.
Continuous broadcast (South) (interrupted during live broadcasts)	**B**	Synopsis and forecast for areas 11-13. Reports from stations: 1. Local and Lt Ho Weather reports from: (a) Cape Lazo; (b) Chatham Point; (c) Cape Mudge; (d) Chrome Island; (e) Merry Island; (f) Entrance Island. 2. Automated Weather Reports from: (a) Fanny Island; (b) Grief Point; (c) Sisters Islet; (d) Ballenas Island; (e) Entrance Island. 3. Ocean buoy Reports from: (a) Sentry Shoal; (b) Halibut Bank.

Navtex Station: Fundy (Yarmouth) (CCG) **Call Sign: VAR**

24-hour watch

METAREA: IV

Area Covered: Arctic coast, Atlantic Coast and S. Lawrence River

Region: WMO REGION: IV

Position: 43°45'N 66°10'W

Radio Address: METEO Halifax

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[V]	490 kHz			
MSI	[U]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0335, 1535	[V]	Navigational warnings: Notices to Shipping. In French.
0735, 1135, 1935, 2335	[V]	Weather and sea state forecasts for Areas 201-208. In French.
0320, 1520	[U]	Navigational warnings: Notices to Shipping. In English.
0720, 1120, 1920, 2320	[U]	Weather and sea state forecasts for Areas 201-208. In English.

Marine Rescue Co-ordination Centre: Halifax (CCG) — Call Sign: VCS

24-hour watch

METAREA: IV

Area Covered: Arctic coast, Atlantic Coast and S. Lawrence River

Region: WMO REGION: IV

Position: 44°28'N 63°37'W

Radio Address: METEO Halifax

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 749 kHz		Sambro 44°28'N 63°37'W	
VHF	**B**	Ch 21B		Sambro 44°28'N 63°37'W	
VHF	**B**	Ch 83B		Sable Island 43°56'N 60°01'W	
VHF	**B**	Ch 21B		Fox Island 45°20'N 61°05'W	
VHF	**B**	Ch 83B		Ecum Secum 44°58'N 62°09'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0810, 2010	**A**	Navigational warnings: Notices to fishermen (when available).
0240, 1540	**A**	Navigational warnings: Notices to shipping for south coast of Nova Scotia area.
0240, 0810, 1540, 2010	**A**	Weather synopsis, forecast and Sea state forecast for Areas 203-214.
Continuous broadcast (interrupted during live broadcasts)	**B**	Navigational warnings: Notices to fishermen (when available).
0240, 1110, 1540	**B**	Navigational warnings: Notices revising the position of every reported offshore exploration and exploitation vessel.
0240, 1540 Continuous broadcast (interrupted during live broadcasts)	**B**	Weather synopsis, forecast and Sea state forecast for Areas 203-214.

Marine Rescue Co-ordination Centre: Inuvik (CCG) — Call Sign: VFA

24-hour watch

METAREA: IV

Area Covered: Arctic coast, Atlantic Coast and S. Lawrence River

Region: WMO REGION: IV

Position: 68°19'N 133°35'W

Radio Address: METEO Vancouver

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 558 kHz		Kuqluktuk (2) 67°50'N 115°07'W	
RT (HF)	**B**	4 363 kHz	(403)	Cambridge Bay (3) 69°07'N 105°01'W	
RT (HF)	**C**	6218.6 kHz		Inuvik(1) 68°19'N133°35'W	
VHF	**D**	Ch 26		Parsons Lake (1) 68°54'N 133°56'W	
VHF	**D**	Ch 26		Kuqluktuk (2) 67°50'N 115°07'W	
VHF	**D**	Ch 26		Cambridge Bay (3) 69°07'N 105°01'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0235, 1435 On request	**A-D**	Navigational warnings: Ice information for areas 1 and 2.
On request	**A-D**	Synopsis for Western Arctic waters.
0235, 1435	**A-D**	Weather forecasts for Areas 111-116 and 118-121. Alaska marine forecast. Navigational warnings: Notices to shipping for Canadian waters west of 90°W.
0050, 0450, 0850, 1250, 1650, 2050	**F**	Storm and gale warnings, synopsis and 24 hour forecast for Areas 3, 5, 7, 30 and 31. In English. Navigational warnings: Warnings for Areas 3, 5, 7, 30 and 31. In English.

(1) Operational 15 May to 31 October approximately.
(2) Operational 10 July to 10 October approximately.
(3) Operational 15 July to 10 October approximately.

Navtex Station: Iqaluit (Canadian Coast Guard) **Call Sign:**

METAREA: XVIII
Area Covered: Arctic coast, Atlantic Coast and S. Lawrence River

Region: WMO REGION: IV
Position: 63°44'N 68°33'W
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[S]	490 kHz			
MSI	[T]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
1100, 2300	[S]	Navigational warnings: 25 June - 30 November approximately: Notices to Shipping for NORDREG waters, east of 106°W and labrador coast southward to 58°N. Ice bulletins for Areas 3-5. In French.
0300, 0700, 1500, 1900	[S]	25 June - 30 November approximately: Weather forecasts for Areas 144, 145 and 147-150. In French.
1110, 2310	[T]	Navigational warnings: 25 June - 30 November approximately: Notices to Shipping for NORDREG waters, east of 106°W and labrador coast southward to 58°N. Ice bulletins for Areas 3-5. In English.
0310, 0710, 1510, 1910	[T]	25 June - 30 November approximately: Weather forecasts for Areas 144, 145 and 147-150. In English.

Marine Rescue Co-ordination Centre: Iqaluit (CCG) — Call Sign: VFF

24-hour watch

METAREA: XVIII

Area Covered: Arctic coast, Atlantic Coast and S. Lawrence River

Region: WMO REGION: IV

Position: 63°44'N 68°33'W

Radio Address: METEO Halifax

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 514 kHz		Coral Harbour (1) 64°09'N 83°22'W	
RT (MF)	**B**	2 514 kHz		Killinek (2) 60°25'N 64°50'W	
RT (HF)	**C**	2 582 kHz		Iqaluit (3) 63°44'N 68°33'W	
RT (HF)	**D**	2 582 kHz		Resolute (1) 74°45'N 94°58'W	
RT (HF)	**E**	4 363 kHz	(403)	Resolute (1) 74°45'N 94°58'W	
RT (HF)	**F**	4 363 kHz	(403)	Iqaluit (3) 63°44'N 68°33'W	
RT (HF)	**G**	6 507 kHz	(603)	Iqaluit (3) 63°44'N 68°33'W	
RT (HF)	**H**	6 513 kHz	(605)	Coral Harbour (1) 64°09'N 83°22'W	

Broadcast Times	Frequency ID	Contents of Broadcast
1705	**A-H**	Navigational warnings: Ice boundary information for Areas 3-8. Other bulletins on request.
0110-1320	**A-H**	Synopsis and forecasts for Areas 150, 155, 156, 162, 311 and 312 and for Areas 151-154, 159-161, 163, 164 and 310 on request. Navigational warnings: For all NORDREG waters east of 106°W and southward along the Labrador coast to 58°N.
1340, 2235	**B, D, E, G**	Synopsis and forecasts for Areas 139-142, 144-149 and 228-230 and for areas 137, 138, 143 and 150 on request. Navigational warnings: Notices to fishermen when available.
1240, 2310	**C, F**	Synopsis and forecasts for Areas 125 and 135-138 and forecasts and summaries for other areas on request.

(1) Operational 15 July to 31 October approximately.
(2) Operational 25 June to 31 October approximately.
(3) Operational 25 June to 30 November approximately.

Marine Rescue Co-ordination Centre: Labrador (CCG) **Call Sign: VOK**

24-hour watch

Region: WMO REGION: IV
Position: 53°18'N 60°33'W
Radio Address: METEO Halifax

METAREA: IV
Area Covered: North Atlantic to Barents Sea - Arctic coast, Atlantic Coast and S. Lawrence River

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 598 kHz		Hopedale 55°27'N 60°13'W	
RT (MF)	**A**	2 598 kHz		Cartwright 53°42'N 57°01'W	
RT (MF)	**B**	Ch 83B		Nain 56°33'N 61°43'W	
RT (MF)	**B**	Ch 21B		Hopedale 55°27'N 60°13'W	
RT (MF)	**B**	Ch 21B		Goose Bay 53°18'N 60°33'W	
RT (MF)	**B**	Ch 83B		Cartwright 53°44'N 56°58'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0137, 1007, 1437, 2037	**A**	Navigational warnings: Ice edge and conditions for Areas 7 and 8.
1107, 2307	**A**	Navigational warnings: Notices to shipping. Notices to fishermen (when available).
1437, 2037	**A**	Weather synopsis, forecasts for Areas 222-230.
0137, 1007	**A**	Weather synopsis, forecasts and sea state forecasts for Areas 222-230.
Continuous broadcast	**B**	Navigational warnings: Ice edge and conditions for Areas 7 and 8.
Continuous broadcast	**B**	Navigational warnings: Notices to shipping. Notices to fishermen (when available).
Continuous broadcast	**B**	Weather synopsis, forecast and sea state forecast for Areas 222-228. Actual Weather Observations (when available) for the following stations: (a) Goose Bay; (b) Cartwright; (c) Makkovik; (d) Hopedale; (e) Nain; (f) Mary's Harbour.

Navtex Station: Labrador (CCG) **Call Sign:**

METAREA: IV

Area Covered: North Atlantic to Barents Sea
Arctic coast, Atlantic Coast and S. Lawrence River

Region: WMO REGION: IV
Position: 53°42'N 57°01'W
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[X]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
2350 (winter)	[X]	Navigational warnings: Ice bulletins for Areas 7 and 8. In English.
2350 (summer)	[X]	Navigational warnings: Notices to Shipping. In English.
1150	[X]	Navigational warnings: Notices to Shipping. In English.
0910, 2110	[X]	1 July - 31 October approximately: Weather forecasts for Areas 222-230. In English.
0350, 0750, 1550, 1950	[X]	Weather forecasts for Areas 222-230. In English.

Marine Rescue Co-ordination Centre: Les Escoumins (CCG) — Call Sign: VCF

24-hour watch

METAREA: IV

Area Covered: Arctic coast, Atlantic Coast and S. Lawrence River

Region: WMO REGION: IV

Position: 48°19'N 69°25'W

Radio Address: METEO Halifax

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 21B		Lac d'Aigle 50°17'N 66°19'W	
VHF	**A**	Ch 21B		Grosses-Roches 48°55'N 67°07'W	
VHF	**A**	Ch 21B		Cap-Est 48°23'N 70°41'W	
VHF	**B**	Ch 83B		Sacré-Coeur 48°13'N 69°52'W	
VHF	**B**	Ch 83B		Mont-Louis 49°13'N 65°46'W	
VHF	**B**	Ch 83B		Mont-Joli 48°37'N 68°14'W	

Broadcast Times	Frequency ID	Contents of Broadcast
On request	**A, B**	Hourly weather observations for specific locations.
Continuous broadcast	**A, B**	Weather synopsis and forecast for Areas 219, 301-305. Navigational warnings: Notices to shipping from l'Ile aux Coudres to a line from Mingan to Cap Gaspe including Port Meunier and the western point of Anticosti island and the Saguenay River. Notices to fishermen (when available). Ice information for Areas 24 and 25.

Marine Rescue Co-ordination Centre: Montréal (CCG) — Call Sign: VFN

24-hour watch

METAREA: IV

Area Covered: North Atlantic to Barents Sea
Arctic coast, Atlantic Coast and S. Lawrence River

Region: WMO REGION: IV
Position: 45°33'N 73°30'W
Radio Address: METEO Halifax

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 25B		Mont Rigaud 45°27'N 74°18'W	
VHF	**A**	Ch 21B		Mont S. Bruno 45°33'N 73°20'W	
VHF	**B**	Ch 25B		Sorel 46°03'N 73°07W	
VHF	**C**	Ch 83B		L'Acadie 45°19'N 73°19'W	

Broadcast Times	Frequency ID	Contents of Broadcast
Continuous broadcast	**A, B**	Weather synopsis and forecast for Areas 308, 309. Navigational warnings: Ice reports for Areas 25 and 26.
Continuous broadcast	**A, B, C**	Navigational warnings: Notices to shipping. Water level reports for Montreal, Sorel, Trois Rivières. Seaway message.
On request	**A-C**	Hourly weather observations for specific locations on request.
Continuous broadcast (1 May - 31 October)	**C**	Weather synopsis and forecast for Areas 308, 309.

Marine Rescue Co-ordination Centre: Placentia (CCG) — Call Sign: VCP

24-hour watch

METAREA: IV

Area Covered: Arctic coast, Atlantic Coast and S. Lawrence River

Region: WMO REGION: IV

Position: 46°55'N 55°23'W

Radio Address: METEO Halifax

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 598 kHz			
VHF	**B**	Ch 83B		Fortune Head 47°04'N 55°51'W	
VHF	**B**	Ch 83B		Cape Pine 46°37'N 53°32'W	
VHF	**B**	Ch 28B		Hermitage 47°34'N 55°56'W	
VHF	**B**	Ch 23B		Freshwater 47°16'N 53°39'W	
VHF	**B**	Ch 21B		Bay L'Argent 47°32'N 54°52'W	
VHF	**B**	Ch 21B		S. Lawrence 46°55'N 55°22'W	

Broadcast Times	Frequency ID	Contents of Broadcast
1137, 1807	**A**	Navigational warnings: Notices to Shipping, Ramea Island to Cape Ballard.
0737, 2137	**A**	Weather synopsis and forecasts for Areas 231-236. Weather forecast for Areas 213, 215. Navigational warnings: Notices to fishermen when available.
0048, 1607	**A**	Weather synopsis, forecast and sea state forecasts for Areas 231-236. Weather forecast and sea state forecasts for Areas 213, 215.
Continuous broadcast	**B**	Weather synopsis, forecast and sea state forecasts for Areas 231-236. Weather forecast and sea state forecasts for Areas 213, 215. Actual Weather Obs (when available) for the following stations: (a) Cape Race; (b) Argentia; (c) S. Pierre; (d) Marticot; (e) Sagona; (f) S. Lawrence. Navigational warnings: Notices to Shipping, Ramea Island to Cape Ballard. Ice edge and conditions for Areas 13-15.

Marine Rescue Co-ordination Centre: Port aux Basques (CCG) **Call Sign: VOJ**

24-hour watch

METAREA: IV

Area Covered: Arctic coast, Atlantic Coast and S. Lawrence River

Region: WMO REGION: IV

Position: 45°33'N 58°46'W

Radio Address: METEO Halifax

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 598 kHz			
VHF	**B**	Ch 28B	English	Table Mountain 47°41'N 59°16'W	
VHF	**B**	Ch 21B	English	Ramea Island 47°31'N 57°25'W	
VHF	**B**	Ch 21B	English	Pointe Riche 52°42'N 57°25'W	
VHF	**B**	Ch 28B	English	Pine Tree 48°35'N 58°40'W	
VHF	**B**	Ch 28B	English	Mount Moriah 48°58'N 58°03'W	
VHF	**B**	Ch 83B	English	Bonne Bay 49°36'N 57°57'W	
VHF	**B**	Ch 28B		Table Mountain 47°41'N 59°16'W	
	English				
VHF	**C**	Ch 21B	French	Pointe Riche 52°42'N 57°25'W	
VHF	**C**	Ch 83B	French	Pine Tree 48°35'N 58°40'W	
VHF	**C**	Ch 83B	French	Mount Moriah 48°58'N 58°03'W	
VHF	**C**	Ch 25B	French	Bonne Bay 49°37'N 57°24'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0807, 1837	**A**	Navigational warnings: Ice edge and conditions for Areas 15, 16, 21 and 22. In English followed by French.
1207, 2107	**A**	Navigational warnings: Notices to fishermen when available. In English followed by French
1207, 1837	**A**	Navigational warnings: Notices to shipping Labrador border. In English followed by French
0807, 2107	**A**	Weather synopsis and forecasts for Areas 220-222, 231, 232 and 235. Weather forecast for Areas 215, 217 and 219. In English followed by French.
0207, 1507	**A**	Weather synopsis, forecast and sea state forecasts for Areas 220-222, 231, 232 and 235. Weather forecast and sea state forecasts for Areas 215, 217 and 219. In English followed by French.
Continuous broadcast	**B, C**	Navigational warnings: Notices to Shipping for Penguin Island to Cape Norman, including Labrador coast between West Point (red Bay) and the Québec/Labrador border. Notices to fishermen when available.
Continuous broadcast	**B, C**	Weather synopsis, forecast and sea state forecasts for Areas 220-222, 231, 232 and 235. Weather forecast and sea state forecasts for Areas 215, 217 and 219. Actual Weather Obs (when available) for the following stations: (a) Burgeo; (b) Port aux Basques; (c) S. Paul Island; (d) Stephenville; (e) Daniel's Harbour; (f) Ferolle Point; (g) Blanc Sablon.

Marine Rescue Co-ordination Centre: Prescott (Wiarton) (CCG) **Call Sign:**

24-hour watch

METAREA: IV

Area Covered: Great Lakes

Region: WMO REGION: IV

Position: 44°20'N 81°10'W

Radio Address: METEO Malton

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 83B		Cornwall (1) 45°01'N 74°44'W	
VHF	**A**	Ch 21B		Cardinal (1) 44°47'N 75°25'W	
VHF	**A**	Ch 83B		Kingston 44°16'N 76°41'W	
VHF	**B**	Ch 23B		Cornwall (1) 45°01'N 74°44'W	
VHF	**B**	Ch 28B		Cardinal (1) 44°47'N 75°25'W	
VHF	**B**	Ch 23B		Kingston 44°16'N 76°41'W	
VHF	**C**	Ch 83B		Fonthill 43°03'N 79°19'W	
VHF	**D**	Ch 21B		Orillia (1) 44°35'N 79°18'W	
VHF	**D**	Ch 21B		Coburg 44°04'N 78°13'W	

Broadcast Times	Frequency ID	Contents of Broadcast
Continuous broadcast (East)	**A**	Weather forecast (MAFOR) for Areas 309, 401, 402. Great Lakes Weather Bulletin (LAWEB) broadcast from Point Petre to Montréal. Ships' weather reports. In English. Navigational warnings: Notices to shipping. Water level reports for Montréal Harbour and Lake Ontario. In English.
Continuous broadcast	**A, C**	Navigational warnings: Ice bulletins for Area 27, 28. In English.
Continuous broadcast	**B**	Weather forecast (MAFOR) for Areas 309, 401. Great Lakes Weather Bulletin (LAWEB) broadcast from Kingston to Montréal. Ships' weather reports. In French. Navigational warnings: Notices to shipping. Water level reports for Montréal Harbour. In French.
Continuous broadcast (West)	**C**	Weather forecast (MAFOR) for Areas 402, 403. Great Lakes Weather Bulletin (LAWEB) broadcast for Lake Erie from Long Point to Port Colborne and for Lake Ontario from Port Weller to Kingston. Ships' weather reports. In English. Navigational warnings: Notices to shipping. Water level reports for Toronto Harbour, Lake Ontario and Lake Erie. In English.
Continuous broadcast	**D**	Navigational warnings: Ice bulletins for Area 31.
Continuous broadcast	**D**	Weather forecast (MAFOR) and synopsis for Areas 406. Great Lakes Weather Bulletin (LAWEB) broadcast for Barrie and Lagoon City. Current small craft weather reports. In English. Navigational warnings: Notices to shipping. Ice bulletins for Area 31. In English.

NOTE:
When continuous broadcasts are not in service, schedules broadcasts will be made at Traffic List times.

(1) Operational 1 April - 31 December.

Navtex Station: Prescott (Wiarton) (CCG) **Call Sign:**

24-hour watch

METAREA: IV
Area Covered: Great Lakes

Region: WMO REGION: IV
Position: 44°20'N 81°10'W
Radio Address: METEO Malton

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[H]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0110, 1310	[H]	Navigational warnings: Notices to shipping. Ice Bulletins for Lake Ontario, Lake Eri (east of 80°20'W), Lake Huron, Georgian Bay, Lake Superior and Whitefish Bay. In English.
0510, 0910, 1710, 2110	[H]	Forecast for areas 402-406. In English.

Marine Rescue Co-ordination Centre: Prince Rupert (CCG) **Call Sign: VAJ**

24-hour watch

Region: WMO REGION: IV

METAREA: XII

Position: 54°18'N 130°25'W

Area Covered: Coastal waters of western Canada - East Pacific Coast

Radio Address: METEO Vancouver

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 054 kHz		Hunter Point 53°16'N 132°43'W	
RT (MF)	**A**	2 054 kHz		Prince Rupert 54°18'N 130°25'W	
VHF	**B**	WX2		Calvert 51°35'N 128°01'W	
VHF	**B**	WX2		Barry Inlet 52°35'N 131°45'W	
VHF	**B**	WX1		Van Inlet 53°15'N 132°33'W	
VHF	**B**	WX3		Naden Hr. 53°57'N 132°57'W	
VHF	**B**	WX3		Cumshewa 53°10'N 132°00'W	
VHF	**B**	WX1		Klemtu 52°35'N 128°34'W	
VHF	**B**	WX2		Mt. Gil 53°16'N 129°12'W	
VHF	**B**	Ch 21B		Rose Inlet 52°13'N 131°13'W	
VHF	**B**	Ch 21B		Kitimat 54°03'N 120°38'W	
VHF	**B**	Ch 21B		Mt. Hays 54°17'N 130°19'W	
VHF	**B**	WX2		Dundas I. 54°31'N 130°55'W	
VHF	**B**	Ch 21B		Mount Dent 55°13'N 129°59'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0105, 0705, 1305, 1905 (urgent warnings only)	**A**	Navigational warnings: Notices to shipping.
0105, 0705, 1305, 1905	**A**	Synopsis and forecast for Areas 2-5, 13-17. Reports from stations (see 2 & 3 below). 1. Local and Lt Ho Weather Reports from: (a) Green Island; (b) Triple Island; (c) Bonilla Island; (d) Langara Island; (e) Boat Bluff; (f) McInnes Island; (g) Ivory Island; (h) Addenbroke Island; (I) Egg Island; (j) Pine Island; (k) Cape Scott; (l) Dryad Point; (m) Scarlett Point. 2. Automated Station Weather Reports from: (a) Grey islet; (b) Luch Island; (c) Holland Rock; (d) Bonilla Island; (e) Rose Spit; (f) Kindakun Rock; (g) Prince Rupert; (h) Langara Island; (i) Cumshewa Island; (j) Cape S. James; (k) Cathedral Point; (l) Sartine Island; (m) Herbert Island. 3. Ocean buoy Reports from: (a) North Nomad; (b) Middle Nomad; (c) West dixon Entrance; (d) Central dixon Entrance; (e) North Hecate Strait; (f) South Hecate Strait; (g) West Moresby; (h) Nanakwa Shoal; (i) West Sea Otter; (j) South Moresby; (k) East Dellwood.
Continuous broadcast (interrupted during live broadcasts)	**B**	Navigational warnings: Notices to shipping and Notices to Fishermen.
Continuous broadcast (interrupted during live broadcasts)	**B**	Synopsis and forecast for Areas 2-5, 13-17. Reports from stations (see 1, 2 & 3 below). 1. Local and Lt Ho Weather Reports from: (a) Green Island; (b) Triple Island; (c) Bonilla Island; (d) Langara Island; (e) Boat Bluff; (f) McInnes Island; (g) Ivory Island; (h) Addenbroke Island; (I) Egg Island; (j) Pine Island; (k) Cape Scott; (l) Dryad Point; (m) Scarlett Point. 2. Automated Station Weather Reports from: (a) Grey islet; (b) Luch Island; (c) Holland Rock; (d) Bonilla Island; (e) Rose Spit; (f) Kindakun Rock; (g) Prince Rupert; (h) Langara Island; (i) Cumshewa Island; (j) Cape S. James; (k) Cathedral Point; (l) Sartine Island; (m) Herbert Island. 3. Ocean buoy Reports from: (a) North Nomad; (b) Middle Nomad; (c) West dixon Entrance; (d) Central dixon Entrance; (e) North Hecate Strait; (f) South Hecate Strait; (g) West Moresby; (h) Nanakwa Shoal; (i) West Sea Otter; (j) South Moresby; (k) East Dellwood.

NOTE: Continuous broadcast information is available by tel. from prince Rupert +1 250 624 9009.

Navtex Station: Prince Rupert (CCG)

Call Sign: VAJ

24-hour watch

METAREA: XII

Area Covered: Coastal waters of western Canada - East Pacific Coast

Region: WMO REGION: IV

Position: 54°18'N 130°25'W

Radio Address: METEO Vancouver

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[D]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0430, 1630	[D]	Navigational warnings: Notices to shipping. In English.
0030, 0830, 1230, 2030	[D]	Synopsis for Areas 1-17. Forecast for Areas 2-5, 9, 13-17. In English.

Marine Rescue Co-ordination Centre: Québec (CCG)

Call Sign: VCC

24-hour watch

METAREA: IV

Area Covered: Arctic coast, Atlantic Coast and S. Lawrence River

Region: WMO REGION: IV

Position:

Radio Address: METEO Halifax

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 21B		Rivière-du-Loup 47°45'N 69°36'W	
VHF	**A**	Ch 21B		Lauzon 46°49'N 71°10'W	
VHF	**B**	Ch 83B		Rivière-du-Loup 47°45'N 69°36'W	
VHF	**B**	Ch 83B		Montmagny 46°56'N 70°31'W	

Broadcast Times	Frequency ID	Contents of Broadcast
Continuous broadcast	**A, B**	Weather synopsis and forecast for areas 305-308. Navigational warnings: Notices to Shipping from Lac St. Pierre up to Les Escoumins Trois Pistoles. Seaway Radio Message. Ice reports for Areas 24 and 25.

Marine Rescue Co-ordination Centre: Resolute (CCG) **Call Sign:**

METAREA: IV

Area Covered: Arctic coast, Atlantic Coast and S. Lawrence River

Region: WMO REGION: IV

Position: 74°45'N 94°58'W

Radio Address:

NOTE: Remotely controlled from Iqaluit (Frobisher Bay) (VFF).

Marine Rescue Co-ordination Centre: Rivière-au-Renard (CCG) **Call Sign: VCG**

24-hour watch

Region: WMO REGION: IV
METAREA: IV
Position: 50°11'N 66°07'W
Area Covered: Arctic coast, Atlantic Coast and S. Lawrence River
Radio Address: METEO Halifax

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 598 kHz			
RT (MF)	**A**	2 749 kHz			
VHF	**B**	Ch 25B		Harrington Hr (1) 50°30'N 59°29'W	
VHF	**B**	Ch 83B		La Romaine (1) 50°13'N 60°41'W	
VHF	**B**	Ch 21B		Natashquan 50°09'N 61°48'W	
VHF	**B**	Ch 83B		Havre St. Pierre 50°16'N 63°41'W	
VHF	**B**	Ch 25B		Heath Point 49°05'N 61°02'W	
VHF	**B**	Ch 21B		Forillon 48°50'N 64°16'W	
VHF	**B**	Ch 83B		Newport 48°14'N 64°48'W	
VHF	**B**	Ch 21B		Carleton 48°08'N 66°07'W	
VHF	**B**	Ch 21B		Cap-aux-Meules 47°23'N 61°52'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0437, 0937, 1737, 2317	**A**	Navigational warnings: Notices to fishermen when available. In English followed by French.
0937, 1737	**A**	Navigational warnings: Notices to Shipping for Gulf of S. Lawrence, S. Lawrence River, Chaleur Bay, Magdalen Islands, Prince Edward Island and Miramichi Bay. Ice reports for Areas 20 and 22-24. In English followed by French.
0437, 0847, 1407, 2317	**A**	Weather synopsis and forecasts for Areas 215-221 and 301-303. Sea state forecasts for Areas 215, 217 and 219-221. In English followed by French.
Continuous broadcast	**B**	Navigational warnings: Notices to Shipping for Gulf of S. Lawrence including the Magdalene Islands, the coast between Sept-Iles and Blanc Sablon, the southern shore of 66°W eastward including the Baie des Chaleurs up to Miramichi beach. Notices to fishermen when available. Ice reports for Areas 20 and 22-24. In English followed by French.
Continuous broadcast	**B**	Weather synopsis and forecasts for Areas 215-221 and 301-303. Sea state forecasts for Areas 215, 217 and 219-221. In English followed by French.

(1) Seasonal operation 1 April to 31 December.

Navtex Station: Rivière-au-Renard (CCG) **Call Sign: VCG**

24-hour watch

METAREA: IV

Area Covered: Arctic coast, Atlantic Coast and S. Lawrence River

Region: WMO REGION: IV

Position: 50°11'N 66°07'W

Radio Address: METEO Halifax

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[D]	490 kHz			
MSI	[C]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0435, 1635	[D]	Navigational warnings: Notices to Shipping. In French.
0035 (winter)	[D]	Navigational warnings: Ice bulletins for areas 20, 23, 24. In French.
0420, 1620	[C]	Navigational warnings: Notices to Shipping. In English.
0020 (winter)	[C]	Navigational warnings: Ice bulletins for areas 20, 23, 24. In English.
0020, 0820, 1220, 2020	[C]	Weather forecasts for Areas 215-222 and 301-304. In English.

Marine Rescue Co-ordination Centre: Saint Anthony(CCG) **Call Sign: VCM**

24-hour watch

METAREA: IV

Area Covered: Arctic coast, Atlantic Coast and S. Lawrence River

Region: WMO REGION: IV

Position: 51°30'N 55°49'W

Radio Address: METEO Halifax

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 598 kHz			
VHF	**B**	Ch 83B		Twillingate 49°41'N 54°48'W	
VHF	**B**	Ch 21B		Comfort Cove 49°15'N 54°53'W	
VHF	**B**	Ch 21B		Conche 50°54'N 55°53'W	
VHF	**B**	Ch 21B		Fox Harbour 52°22'N 55°40'W	
VHF	**B**	Ch 83B		l'Anse aux Meadows 51°34'N 55°30'W	

Broadcast Times	Frequency ID	Contents of Broadcast
1237, 1907	**A**	Navigational warnings: Notices to shipping for an area bounded by Flower's Cove to the west, Cartwright to the north and Cape Freels to the southeast. Notices to fishermen when available.
0107, 0907, 1337, 1937	**A**	Weather synopsis, forecast and sea state for Areas 220-224, 226, 227, 235, 237 and 238. Navigational warnings: Ice conditions and forecast for Areas 8-14 (south of 54°N). Iceberg bulletin for E coast of Newfoundland and Strait of Belle Isle.
Continuous broadcast	**B**	Weather synopsis, forecast and sea state for Areas 220-224, 226, 227, 235, 237 and 238. Actual Weather Obs (when available) for the following stations: (a) S. Anthony Airport; (b) Englee; (c) La Scie; (d) Blanc Sablon; (e) Mary's Harbour; (f) Twillingate; (g) Pool's Island; (h) S. Anthony's Harbour. Navigational warnings: Notices to shipping for an area bounded by Flower's Cove to the west, Cartwright to the north and Cape Freels to the southeast. Notices to fishermen when available. Ice conditions and forecast for Areas 8-14 (south of 54°N). Iceberg bulletin for E coast of Newfundland and Strait of Belle Isle.

Marine Rescue Co-ordination Centre: Saint John's, New Brunswick (CCG) **Call Sign:**

24-hour watch

Region: WMO REGION: IV

METAREA: IV

Position: 45°14'N 65°59'W

Area Covered: Arctic coast, Atlantic Coast and S. Lawrence River

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 749 kHz		Yarmouth 43°45'N 66°07'W	
VHF	**B**	Ch 83B		Yarmouth 43°45'N 66°07'W	
VHF	**B**	Ch 21B		Saint John 45°14'N 65°59'W	
VHF	**B**	Ch 21B		Lockeport 43°40'N 65°08'W	
VHF	**B**	Ch 83B		Cape Blomidon 45°14'N 64°24'W	

Broadcast Times	Frequency ID	Contents of Broadcast
1040, 2040	**A**	Navigational warnings: Notices to fishermen when available. In English followed by French.
0140, 1640	**A**	Navigational warnings: Notices to shipping for the Bay of Fundy and the south and west coasts of Nova Scotia. In English followed by French
0140, 1040, 1640, 2040	**A**	Weather synopsis, forecast and sea state forecasts for Areas 201-208. Weather forecasts for Eastport to Stonington, Maine and Gulf of Maine areas. In English followed by French
2040 Continuous broadcast (interrupted during live broadcasts)	**B**	Navigational warnings: Notices to fishermen when available. In English followed by French
0140, 1240, 1640,	**B**	Navigational warnings: Notices to shipping for the Bay of Fundy and the south and west coasts of Nova Scotia. In English followed by French
0140, 1640, 2040 Continuous broadcast (interrupted during live broadcasts)	**B**	Weather synopsis, forecast and sea state forecasts for Areas 201-208. Weather forecasts for Eastport to Stonington, Maine and Gulf of Maine areas. In English followed by French

Marine Rescue Co-ordination Centre: Saint John's, Newfoundland (CCG) **Call Sign: VON**

24-hour watch

METAREA: IV

Area Covered: Arctic coast, Atlantic Coast and S. Lawrence River

Region: WMO REGION: IV

Position: 47°30'N 52°40'W

Radio Address: METEO Halifax

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 598 kHz			
VHF	**B**	Ch 28B		Lumsden 49°17'N 53°35'W	
VHF	**B**	Ch 83B		Victoria 47°47'N 53°17'W	
VHF	**B**	Ch 21B		Cape Bonavista 48°42'N 53°05'W	
VHF	**B**	Ch 21B		S. John's 47°37'N 52°40'W	

Broadcast Times	Frequency ID	Contents of Broadcast
1307, 2007	**A**	Navigational warnings: For coastal waters Cape Pine to Twillingate and N Atlantic offshore waters to Cape Bauld. Notices to fishermen (when available) are also broadcast at 0837, 2007 on 2598 kHz.
0837, 2207	**A**	Weather synopsis and forecast for Areas 232-238.
0007, 1637	**A**	Weather synopsis, forecast and sea state forecasts for Areas 232-238.
0007, 0837, 1637, 2207	**B**	Navigational warnings: Ice edge and conditions for Areas 11-14.
Continuous broadcast	**B**	Weather synopsis, forecast and sea state forecasts for Areas 232-238. Actual Weather Obs (when available) for the following stations: (a) Bonavista; (b) Grates Cove; (c) S. John's; (d) Cape Race; (e) S. Shott's; (f) Argentia; (g) Pool's Island. Navigational warnings: For coastal waters Cape Pine to Twillingate. Notices to fishermen (when available). Ice edge and conditions for Areas 11-14.

Navtex Station: Saint John's, Newfoundland (CCG) **Call Sign: VON**

24-hour watch

METAREA: IV

Area Covered: Arctic coast, Atlantic Coast and S. Lawrence River

Region: WMO REGION: IV

Position: 47°30'N 52°40'W

Radio Address: METEO Halifax

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[O]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
2220 (summer)	[O]	Navigational warnings: International ice patrol. Ice bulletins for areas 9-15. In English.
1820 (winter)	[O]	Navigational warnings: International ice patrol. Ice bulletins for areas 9-15. In English.
1020, 2220 (summer)	[O]	Navigational warnings: Notices to Shipping. In English.
0620 (winter)	[O]	Navigational warnings: Notices to Shipping. In English.
0220, 0620, 1420, 2220, (winter)	[O]	Weather forecasts for Areas 232-238. In English.
0220, 0620, 1420, 1820, (summer)	[O]	Weather forecasts for Areas 232-238. In English.

Marine Rescue Co-ordination Centre: Sarnia (CCG) **Call Sign: VBE**

24-hour watch

METAREA: IV
Area Covered: Great Lakes

Region: WMO REGION: IV
Position: 43°02'N 82°11'W
Radio Address: METEO Malton

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 21B		Sarnia 43°02'N 82°11'W	
VHF	**A**	Ch 83B		Kincardine 44°07'N 81°42'W	
VHF	**B**	Ch 21B		Port Burwell 42°35'N 80°36'W	
VHF	**B**	Ch 83B		Leamington 42°04'N 82°40'W	

Broadcast Times	Frequency ID	Contents of Broadcast
Continuous broadcast (North)	**A**	Weather forecast (MAFOR) for Areas 403-405. Great Lakes Weather Bulletin (LAWEB) broadcast from Great Duck Island to Windsor. Ships' weather reports. Navigational warnings: Notices to shipping for Lake Huron south of 45°10'N, S. Clair River, Lake S. Clair and Detroit River.
Continuous broadcast	**A, B**	Navigational warnings: Ice reports for Areas 29-31.
Continuous broadcast (South)	**B**	Weather forecast (MAFOR) for Areas 403-405. Great Lakes Weather Bulletin (LAWEB) broadcast from Sarnia to Port Colborne. Ships' weather reports. Navigational warnings: Notices to shipping in S. Clair River, Lake S. Clair, Detroit River and lake Erie west of 79°40'W.

Marine Rescue Co-ordination Centre: Sydney (CCG) — Call Sign: VCO

24-hour watch

METAREA: IV

Area Covered: North Atlantic to Barents Sea
Arctic coast, Atlantic Coast and S. Lawrence River

Region: WMO REGION: IV
Position: 46°10'N 60°00'W
Radio Address: METEO Halifax

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 749 kHz			
VHF	**B**	Ch 21B		Port Caledonia 46°11'N 59°54'W	
VHF	**B**	Ch 21B		Point Escuminac 47°04'N 64°48'W	
VHF	**B**	Ch 21B		Montague 46°12'N 62°40'W	
VHF	**B**	Ch 83B		Cape North 47°01'N 60°26'W	
VHF	**B**	Ch 83B		Cape Egmont 46°24'N 64°08'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0740, 1940	**A**	Navigational warnings: Notices to fishermen when available.
0040, 1440	**A**	Navigational warnings: Notices to shipping in areas Cape Breton Shore (covering Cabot Strait to Banquereau Bank), Gulf of S. Lawrence, Newfoundland south coast, Prince Edward Island and Miramichi Bay.
0040, 0740, 1440, 1940	**A**	Weather synopsis and forecasts for Areas 209, 213-218, 231 and 232. Sea state forecasts for Areas 209, 213-215 and 217.
Continuous broadcast (interrupted during live broadcasts)	**B**	Navigational warnings: Notices to fishermen when available. Ice forecasts for Areas 16 and 19.
0040, 1440 Continuous broadcast (interrupted during live broadcasts)	**B**	Weather synopsis and forecasts for Areas 209, 213-218, 231 and 232. Sea state forecasts for Areas 209, 213-215 and 217.

Navtex Station: Sydney (CCG) **Call Sign: VCO**

24-hour watch

METAREA: IV

Area Covered: North Atlantic to Barents Sea
Arctic coast, Atlantic Coast and S. Lawrence River

Region: WMO REGION: IV
Position: 46°10'N 60°00'W
Radio Address: METEO Halifax

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[J]	490 kHz			
MSI	[Q]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
2255 (winter only)	[J]	Navigational warnings: Ice bulletins for Areas 16-23. In French.
0255, 1455	[J]	Navigational warnings: Notices to shipping. In French.
2255 (summer only)	[J]	Weather forecasts for Areas 209-219 and 231. In English.
0655, 1055, 1855	[J]	Weather forecasts for Areas 209-219 and 231. In English.
2240 (winter only)	[Q]	Navigational warnings: Ice bulletins for Areas 16-23. In English.
0240, 1440	[Q]	Navigational warnings: Notices to shipping. In English.
2240 (summer only)	[Q]	Weather forecasts for areas 209-219, 231. In English.
0640, 1040, 1840	[Q]	Weather forecasts for areas 209-219, 231. In English.

Marine Rescue Co-ordination Centre: Thunder Bay (CCG) — Call Sign: VBA

24-hour watch

METAREA: IV
Area Covered: Great Lakes

Region: WMO REGION: IV
Position: 48°25'N 89°20'W
Radio Address: METEO Malton

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 83B	Great Lakes	Bald Head 47°40'N 84°48'W	
VHF	**A**	Ch 21B	Great Lakes	Sault Ste Marie (Gros Cap) 46°32'N 84°35'W	
VHF	**A**	Ch 21B	Great Lakes	Horn 48°49'N 87°21'W	
VHF	**A**	Ch 83B	Great Lakes	Bald Head 47°40'N 84°48'W	
VHF	**B**	Ch 21B	Great Lakes	Tobermory 45°10'N 81°30'W	
VHF	**B**	Ch 83B	Great Lakes	ver Water (Manitoulin Island) 45°54'N 82°55'W	
VHF	**B**	Ch 21B	Great Lakes	Pointe au Baril 45°34'N 80°19'W	
VHF	**B**	Ch 83B	Great Lakes	Meaford 44°31'N 80°34'W	
VHF	**B**	Ch 21B	Great Lakes	Killarney (1) 45°58'N 81°29'W	
VHF	**C**	Ch 26	Hudson Bay	Churchill (2) 58°46'N 93°57'W	
RT (MF)	**C**	2 582 kHz	Hudson Bay	Churchill (2) 58°46'N 93°57'W	

Broadcast Times	Frequency ID	Contents of Broadcast
Continuous broadcast (West)	**A**	Weather forecast (MAFOR) for Areas 405-408. Great Lakes Weather Bulletin (LAWEB) for reporting points from Duluth (Lake Superior) to Detour Reef (Lake Huron). Ships' weather reports. Navigational warnings: Notices to Shipping for Lake Superior and the St. Mary's River. Ice hazard bulletin for Lakes Superior and Huron.
Continuous broadcast (East)	**B**	Weather forecast (MAFOR) for Areas 405-408. Recreational marine forecast for the North Channel (15 May to 31 October). Great Lakes Weather Bulletin (LAWEB) for reporting points from Sault Ste Marie to Sarnia and Georgian Bay. Ships' weather reports. Navigational warnings: Notices to Shipping for Lake Huron, north of latitude 44°N, Georgian Bay (including Port Severn Lock), the North Channel and the S. Mary's River. Ice hazard bulletin for Lakes Superior and Huron.
0040, 1520	**C**	Navigational warnings: Ice hazard bulletin for Areas 155-159, 160 and 162.
0040, 1410	**C**	Weather synopsis and forecasts for Areas 156-159, 162, 163. For Areas 160, 161 on request. Navigational warnings: Notices to Shipping for waters south of 70°N between 75°W and 96°W including James Bay, Hudson Bay and Foxe Basin.

Note: When continuous broadcasts are not in service, scheduled broadcasts will be made at Traffic List times.

(1) Station in operation approximately from 1 April to 31 December.
(2) Station in operation only during season of navigation (approximately from 1 July - 31 October)

Navtex Station: Thunder Bay (CCG) **Call Sign: VBA**

24-hour watch

METAREA: IV

Area Covered: Great Lakes

Region: WMO REGION: IV

Position: 48°25'N 89°20'W

Radio Address: METEO Malton

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[P]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0630, 1830	[P]	Navigational warnings: Notices to shipping. Ice Bulletins for Lake Huron, Lake Superior and Whitefish Bay. In English.
0230, 1030, 1430, 2230	[P]	Forecast for areas 406-408. In English.

Marine Rescue Co-ordination Centre: Tofino (CCG) — Call Sign: VAE

24-hour watch

METAREA: XII
Area Covered: East Pacific Coast

Region: WMO REGION: IV
Position: 48°56'N 125°32'W
Radio Address: METEO Vancouver

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 054 kHz			
VHF	**B**	WX2		Port Alberni 49°13'N 124°49'W	
VHF	**B**	Ch 21B		Mt. Ozzard 48°58'N 125°30'W	
VHF	**B**	WX3		Estevan Point 49°23'N 126°41'W	
VHF	**B**	WX2		Nootka 49°36'N 126°37'W	
VHF	**B**	Ch 21B		Esperanza 49°51'N 126°48'W	
VHF	**B**	WX1		Eliza Dome 49°52'N 127°07'W	
VHF	**B**	Ch 21B		Holberg 50°38'N 128°08'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0050, 0650, 1250, 1850 (urgent warnings)	**A, B**	Navigational warnings: Notices to Shipping.
0050, 0650, 1250, 1850	**A, B**	Synopsis and Forecast for Areas 1, 5-8, 13, 14. Reports from: Automated Station Weather Reports from: (1) Cape S. James; (2) Cathedral Point; (3) Herbert Island; (4) Sartine Island; (5) Solander Island; (6) Sheringham Point; (7) Race Rocks, (8) Discovery Island. Ocean Buoy Reports from: (1) West Sea Otter; (2) East Dellwood; (3) South Brooks; (4) La Perouse.
Continuous broadcast (interrupted during live broadcasts; urgent warnings only)	**B**	Navigational warnings: Notices to Shipping for coastal waters of western Washington.
2115 (Mondays only)	**B**	Navigational warnings: Notices to fishermen.
Continuous broadcast (interrupted during live broadcasts)	**B**	Synopsis and Forecast for Areas 1, 5-8, 13, 14. Forecast for coastal waters of western Washington. Local and Lt Ho Weather reports from: (1) Trial Island; (2) Carmanah Point; (3) Pachena Point; (4) Cape Beale; (5) Amphitrite Point; (6) Lennard Island; (7) Estevan Point; (8) Nootka; (9) Quatsino; (10) Cape Scott; (11) Pulteney Point; (12) Scarlett Point; (13) Pine Island; (14) Egg Island; (15) Addenbroke; (16) Dryad; (17) Boat Bluff; (18) Ivory; (19) McInnes. Automated Station Weather Reports from: (1) Cape S. James; (2) Cathedral Point; (3) Herbert Island; (4) Sartine Island; (5) Solander Island; (6) Sheringham Point; (7) Race Rocks, (8) Discovery Island. Ocean Buoy Reports from: (1) West Sea Otter; (2) East Dellwood; (3) South Brooks; (4) La Perouse.

(1) Continous broadcast information is also available by telephone: +1 250 7263415.

Navtex Station: Tofino (CCG) — Call Sign: VAE

24-hour watch

METAREA: XII
Area Covered: East Pacific Coast

Region: WMO REGION: IV
Position: 48°56'N 125°32'W
Radio Address: METEO Vancouver

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[H]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0910, 2110	[H]	Navigational warnings: Notices to shipping. In English.
0110, 0510, 0910, 1310, 1710, 2110	[H]	Automated Weather Reports from: (a) Cape S. James; (b) Cathedral Point; (c) Herbert Island; (d) Sartine Island; (e) Solander Island; (f) Sheringham Point; (g) Race Rocks; (h) Discovery Island. Ocean buoy Reports from: (a) West Sea Otter; (b) East Dellwood; (c) South Brooks; (d) La Perouse Bank. In English.
0510, 1710	[H]	Northeast Pacific High Seas Forecast. In English.
0110, 1310	[H]	Weather synopsis and forecast for areas 1, 5-13. In English.

Marine Rescue Co-ordination Centre: Vancouver (CCG) — Call Sign: VAS

24-hour watch

METAREA: XII
Area Covered: Pacific coast

Region: WMO REGION: IV
Position: 49°17'N 123°07'W
Radio Address: METEO Vancouver

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 26		Watts Point 49°39'N 123°13'W	
VHF	A	Ch 26		Vancouver 49°17'N 123°07'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0530, 1530, 2130	A	Navigational warnings: Notices to Shipping.

Marine Rescue Co-ordination Centre: Victoria (CCG) **Call Sign: VAK**

METAREA: XII
Area Covered: East/South China Sea

Region: WMO REGION: IV
Position: 49°11'N 123°07'W
Radio Address: METEO Vancouver

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 21B (1)		Mt Parke 48°50'N 123°18'W	
VHF	**B**	WX3 (2)		Mt Helmcken 48°24'N 123°34'W	
VHF	**B**	WX3 (2)		Bowen Island 49°21'N 123°23'W	

Broadcast Times	Frequency ID	Contents of Broadcast
Continuous broadcast (interrupted during live broadcasts)	**A**	Synopsis and forecast for Areas 6-11, MAREPS when available and reports from stations: 1. Local and Lt. Ho Weather reports from: (a) Chrome Island; (b) Carmanah Point; (c) Merry Island; (d) Pachena Point; (e) Entrance Island; (f) Cape Beale; (g) Amphitrite Point; (h) Lennard Island; (i) Trial Island; (j) Estevan Point. 2. Automated Station Weather Reports: (a) Sheringham Point; (b) Race Rocks; (c) Victoria/Gonzales Point; (d) Discovery Island; (e) Kelp Reef; (f) Saturna Island; (g) Sandheads; (h) Point Atkinson; (i) Pam Rocks; (j) Entrance Island; (k) Ballenas Island; (l) Sisters Islet; (m) Grief Point. 3. Ocean Buoy Weather Reports from: (a) Halibut Bank. 4. Local Weather Reports: (a) Jericho; (b) Tsawassen.
0510, 1510, 2110 Continuous broadcast (interrupted during live broadcasts; urgent warnings only)	**A, B**	Navigational warnings: Notices to shipping for the Strait of Georgia, Howe Sound, Haro Strait, Juan de Fuca Strait, West Coast Vancouver I. and adjacent US waters.
Continuous broadcast (interrupted during live broadcasts)	**B**	Synopsis and forecast for Areas 6-11 and the coastal waters of western Washington State (USA) Cape Flattery to Colunbia River out 60 n miles, Camano Island to Point Robert, Puget Sound and Hood Canal. MAREPS when available and reports from stations: 1. Local and Lt. Ho Weather reports from: (a) Estevan Point, (b) Lennard Island; (c) Amphitrite Point; (d) Cape Beale; (e) Pachena Point; (f) Carmanah Point; (g) Trial Island. 2. Automated Station Weather Reports: (a) Sheringham Point; (b) Race Rocks; (c) Victoria/Gonzales Point; (d) Kelp Reef; (e) Saturna Island; (f) Sandheads. 3. Ocean Buoy Weather Reports from: (a) La Perouse Bank. 4. US Buoy Reports: (a) Cape Flattery; (b) Smith Island.

(1) Continuous broadcast information is also available by telephone: Vancouver / Lower mainland, +1 604 666 3655.
(2) Continuous broadcast information is also available by telephone: Victoria, +1 250 474 7998.

Navtex Station: Las Palmas

Call Sign:

Region: WMO REGION: I
Position: 28°9'N 15°25'W
Radio Address:

METAREA: II
Area Covered: North Atlantic waters from 50°N to 20°N east of 35°W. Mediterranean sea west of 10°E overlapping with the area of responsibility of France.

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[A]	490 kHz (1)			
MSI	[I]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0000, 0400, 0800, 1200, 1600, 2000	[A]	Weather bulletins for San Vicente, Cadiz, Madeira, Casablanca, Agadir, Canarias, Tarafaya, Cap Blanc and the coastal waters of Islas Canarias. In Spanish.
0120, 0520, 0920, 1320, 1720, 2120	[I]	In English.
0920, 1320, 1720	[I]	Weather bulletins for San Vicente, Cadiz, Madeira, Casablanca, Agadir, Canarias, Tarafaya, Cap Blanc and the coastal waters of Islas Canarias. In English.

(1) On Trial.

Maritime Radio Station: Las Palmas (CCR GROUP V)

Call Sign: EAL

24-hour watch

Region: WMO REGION: I
Position:
Radio Address: METEO Madrid

METAREA: II
Area Covered: North Atlantic waters from 50°N to 20°N east of 35°W. Mediterranean sea west of 10°E overlapping with the area of responsibility of France.

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	1 644 kHz		Arrecife 22°09'N 13°31'W	
RT (MF)	B	1 689 kHz		Las Palmas 28°06'N 15°28'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0803, 1903 after weather bulletin	A,B	
0803, 1233, 1903	A,B	Storm warnings, synopsis and 24 hour forecast for Atlantic areas.

Marine Rescue Co-ordination Centre: Las Palmas (MRCC) Call Sign:

METAREA: II

Area Covered: North Atlantic waters from 50°N to 20°N east of 35°W. Mediterranean sea west of 10°E overlapping with the area of responsibility of France.

Region: WMO REGION: I
Position: 28°09'N 15°25'W
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 10		28°09'N 15°25'W	

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt	**A**	In Spanish and English.

Maritime Radio Station: Tenerife (CCR) Call Sign: EAT

24-hour watch

METAREA: II

Area Covered: North Atlantic waters from 50°N to 20°N east of 35°W. Mediterranean sea west of 10°E overlapping with the area of responsibility of France.

Region: WMO REGION: I
Position:
Radio Address: METEO Madrid

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 20		La Palma 28°39'N 17°49'W	
VHF	**A**	Ch 23		Hierro 27°48'N 17°55'W	
VHF	**A**	Ch 24		Gomera 28°06'N 17°06'W	
VHF	**A**	Ch 22		Fuerteventura 28°33'N 13°55'W	
VHF	**A**	Ch 25		Arrecife 29°08'N 13°31'W	
VHF	**A**	Ch 27		Tenerife 28°27'N 16°22'W	
VHF	**A**	Ch 26		Las Plamas 27°58'N 15°33'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0833, 2033 after weather bulletin	**A**	Navigational warnings: Coastal warnings. In Spanish.
1333	**A**	48 hours forecast for coastal areas. In Spanish.
0833, 2033	**A**	Forecast for coastal areas. In Spanish.

Marine Rescue Co-ordination Centre: Tenerife (MRCC) **Call Sign:**

METAREA: II

Area Covered: North Atlantic waters from 50°N to 20°N east of 35°W. Mediterranean sea west of 10°E overlapping with the area of responsibility of France.

Region: WMO REGION: I

Position: 28°29'N 16°14'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 74			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt 0215, 0615, 1015, 1415, 1815, 2215	**A**	In Spanish and English.
On receipt 0015, 0415, 0815, 1215, 1615, 2015	**A**	Storm warnings for the Anaga-Agaete channel and the coasts of La Palma, El Hierro, La Gomera and Tenerife. In Spanish and English.

Marine Rescue Co-ordination Centre: Antofagasta Zonal — Call Sign: CBA

24-hour watch

METAREA: XV

Area Covered: East Pacific - Ocean areas south of 33°S between 20°W and 70°W.

Region: WMO REGION: III

Position: 23°40'S 70°25'W

Radio Address: Central Telecomunicaciones Navales, Antofagasta

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 738 kHz			
RT (MF)	**A**	2 738 kHz			
VHF	**B**	Ch 14			
VHF	**B**	Ch 10			

Broadcast Times	Frequency ID	Contents of Broadcast
0045, 1250	**A**	Forecast for Areas 1-3. In Spanish.
0900, 1200, 1500, 1800, 2100 LT (2)(3)	**A**	Gale warnings and forecasts for Turkish coastal waters of Southern Aegean and Mediterranean Seas. In Turkish and English.
0900, 1930	**A**	3 day forecast for Black Sea, Marmara Denizi, Aegean Sea and Mediterranean Sea. In Turkish.
0730, 0900, 0930, 1130, 1330, 1530, 1730, 1930	**A**	Sea observations for Mediterranean Sea and Aegean Sea. In Turkish.
0700, 1900	**A**	Forecast, for Black Sea, Marmara Denizi, Aegean Sea and Mediterranean Sea. In Turkish and English.
On receipt	**A**	Weather warnings.
0055, 1305	**B**	Present weather. In Spanish.

Navtex Station: Antofagasta Zonal

Call Sign: CBA

24-hour watch

METAREA: XV

Area Covered: East Pacific - Ocean areas south of 33°S between 20°W and 70°W.

Region: WMO REGION: III

Position: 23°40'S 70°25'W

Radio Address: Central Telecomunicaciones Navales, Antofagasta

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[A]	518 kHz			
MSI	[H]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0400, 1200, 2000	[A]	Storm warnings, and forecast for Areas 1-3. In English. Navigational warnings: NAVAREA XV warnings. In English.
0000, 0800, 1600	[H]	Storm warnings, and forecast for Areas 1-3. In English. Navigational warnings: NAVAREA XV warnings. In English.

Marine Rescue Co-ordination Centre: Arica Radio

Call Sign: CBA

METAREA: XV

Area Covered: Ocean areas south of 33°S between 20°W and 70°W.

Region: WMO REGION: III

Position: 18°29'S 70°20'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	2 738 kHz			
VHF	B	Ch 14			

Broadcast Times	Frequency ID	Contents of Broadcast
0045, 1245	A	Forecast for Areas 1.
0050, 1255	B	Forecast for Areas 1. In Spanish.

Marine Rescue Co-ordination Centre: Bahía Félix Radio

Call Sign: CBX

METAREA: XV

Area Covered: Ocean areas south of 33°S between 20°W and 70°W.

Region: WMO REGION: III

Position: 52°58'S 74°04'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT /MF)	A	2 738 kHz			
RT (MF)	A	2 738 kHz			
VHF	B	Ch 14			
VHF	B	Ch 14			
Radio-Telex	C	6 439 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0210, 1410	A	Present weather for: Bahía Félix. In Spanish.
0150, 1350	B	Present weather for: Bahía Félix.

Marine Rescue Co-ordination Centre: Cabo Carranza, Faro

Call Sign: CBT2

METAREA: XV

Area Covered: Ocean areas south of 33°S between 20°W and 70°W.

Region: WMO REGION: III

Position: 35°33'S 72°37'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	2 738 kHz			
VHF	B	Ch 14			

Broadcast Times	Frequency ID	Contents of Broadcast
0145, 1345	A	Present weather for: Cabo Carranza area. In Spanish.
0150, 1350	B	Present weather for: Cabo Carranza area. In Spanish.

Marine Rescue Co-ordination Centre: Cabo Raper, Faro

Call Sign: CBM2

METAREA: XV

Area Covered: Ocean areas south of 33°S between 20°W and 70°W.

Region: WMO REGION: III

Position: 46°49'S 75°38'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 738 kHz			
VHF	**B**	Ch 14			

Broadcast Times	Frequency ID	Contents of Broadcast
0040, 0640, 1240, 1840	**A**	Present weather for: Cabo Cabo Raper area. In Spanish.
0045, 0645, 1245, 1845	**B**	Present weather for: Cabo Cabo Raper area. In Spanish.

Marine Rescue Co-ordination Centre: Caldera

Call Sign: CBA

METAREA: XV

Area Covered: Ocean areas south of 33°S between 20°W and 70°W.

Region: WMO REGION: III

Position: 27°04'S 70°50'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 738 kHz			
VHF	**B**	Ch 14			

Broadcast Times	Frequency ID	Contents of Broadcast
0055, 1255	**A**	Forecast for areas 1 & 2. In Spanish.
0105, 1305	**B**	Forecast for areas 1 & 2. In Spanish.

Marine Rescue Co-ordination Centre: Castro

Call Sign: CBP

METAREA: XV

Area Covered: Ocean areas south of 33°S between 20°W and 70°W.

Region: WMO REGION: III

Position: 42°29'S 73°46'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	A	4 146 kHz			
RT (MF)	A	2 738 kHz			
VHF	B	Ch 14			

Broadcast Times	Frequency ID	Contents of Broadcast
0050, 1250	A	Forecast for areas 6 & 7 and present weather for the Chiloé area. In Spanish.
0105, 1305	B	Forecast for areas 6 & 7 and present weather for the Chiloé area. In Spanish.

Marine Rescue Co-ordination Centre: Chañaral

Call Sign: CBA

METAREA: XV

Area Covered: Ocean areas south of 33°S between 20°W and 70°W.

Region: WMO REGION: III

Position: 26°21'S 70°38'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	2 738 kHz			
VHF	B	Ch 14			

Broadcast Times	Frequency ID	Contents of Broadcast
0045, 1245	A	Forecast for area 1. In Spanish.

Marine Rescue Co-ordination Centre: Consitutción

Call Sign: CBT21

METAREA: XV

Area Covered: Ocean areas south of 33°S between 20°W and 70°W.

Region: WMO REGION: III

Position: 35°20'S 72°25'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 738 kHz			
VHF	**B**	Ch 14			

Broadcast Times	Frequency ID	Contents of Broadcast
0250, 1450	**A**	Present weather for: Constitución area.
0255, 1455	**B**	Present weather for: Constitución area.

Marine Rescue Co-ordination Centre: Coquimbo

Call Sign: CBA

METAREA: XV

Area Covered: Ocean areas south of 33°S between 20°W and 70°W.

Region: WMO REGION: III

Position: 29°57'S 71°20'W

Radio Address:

Broadcast Times	Frequency ID	Contents of Broadcast
0045, 1245	**A**	Forecast for area 1 & 2. In Spanish.
0055, 1255	**B**	Forecast for area 1 & 2. In Spanish.

Marine Rescue Co-ordination Centre: Diégo Ramirez

Call Sign: CBM

24-hour watch

METAREA: XV

Area Covered: Ocean areas south of 33°S between 20°W and 70°W.

Region: WMO REGION: III

Position: 56°31'S 68°42'W

Radio Address: Isla Diego Ramirez Radio

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	2 738 kHz			
VHF	B	Ch 14			

Broadcast Times	Frequency ID	Contents of Broadcast
0110, 1310	A	Forecast for Drake Passage. In Spanish.
0120, 1320	B	Forecast for Drake Passage. In Spanish.

Marine Rescue Co-ordination Centre: Huasco

Call Sign: CBA24

METAREA: XV

Area Covered: Ocean areas south of 33°S between 20°W and 70°W.

Region: WMO REGION: III

Position: 28°28'S 71°14'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	2 738 kHz			
VHF	B	Ch 14			

Broadcast Times	Frequency ID	Contents of Broadcast
0045, 1245	A	Forecast for area 1. In Spanish.
0055, 1255	B	Forecast for area 1. In Spanish.

Marine Rescue Co-ordination Centre: Iquique

Call Sign: CBA3

METAREA: XV

Area Covered: Ocean areas south of 33°S between 20°W and 70°W.

Region: WMO REGION: III

Position: 20°12'S 70°09'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 738 kHz			
VHF	**B**	Ch 14			

Broadcast Times	Frequency ID	Contents of Broadcast
0050, 1255	**A**	Forecast for area 1. In Spanish.
0055, 1305	**B**	Forecast for area 1. In Spanish.

Navtex Station: Isla de Pascua (Easter Island)

Call Sign:

METAREA: XV

Area Covered: Ocean areas south of 33°S between 20°W and 70°W.

Region: WMO REGION: III

Position: 27°09'S 109°23'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	**[G]**	518 kHz			
MSI	**[F]**	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0050, 0850, 1650	**[G]**	Storm warnings, and forecast for Isla de Pascua. In Spanish. Navigational warnings: For Isla de Pascua. In Spanish.
0450, 1250, 2050	**[F]**	Storm warnings, and forecast for Isla de Pascua. In English. Navigational warnings: For Isla de Pascua. In English.

Marine Rescue Co-ordination Centre: Isla de Pascua Zonal Radio (Easter Island)

Call Sign: CBY

METAREA: XV

Area Covered: Ocean areas south of 33°S between 20°W and 70°W.

Region: WMO REGION: III

Position: 27°09'S 109°26'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 738 kHz			
VHF	**B**	Ch 14			

Broadcast Times	Frequency ID	Contents of Broadcast
0225, 1425	**A**	Forecast for Isla de Pacua. In Spanish.
0215, 1415	**B**	Forecast for Isla de Pacua. In Spanish.

Marine Rescue Co-ordination Centre: Isla Guafo, Faro

Call Sign: CBP4

METAREA: XV

Area Covered: Ocean areas south of 33°S between 20°W and 70°W.

Region: WMO REGION: III

Position: 43°34'S 74°50'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 738 kHz			
VHF	**B**	Ch 14			

Broadcast Times	Frequency ID	Contents of Broadcast
0340, 0940, 1540, 2140	**A**	Present weather for the Isla Guafo area. In Spanish.
0350, 0950, 1550, 2150	**B**	Present weather for the Isla Guafo area. In Spanish.

Marine Rescue Co-ordination Centre: Isla Mocha, Faro

Call Sign: CBT3

METAREA: XV

Area Covered: Ocean areas south of 33°S between 20°W and 70°W.

Region: WMO REGION: III

Position: 38°23'S 73°53'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	2 738 kHz			
VHF	B	Ch 14			

Broadcast Times	Frequency ID	Contents of Broadcast
0205, 1405	A	Forecast for Isla Mocha. In Spanish.
0210, 1410	B	Forecast for Isla Mocha. In Spanish.

Marine Rescue Co-ordination Centre: Isla Quiriquina, Faro

Call Sign: CBT70

METAREA: XV

Area Covered: Ocean areas south of 33°S between 20°W and 70°W.

Region: WMO REGION: III

Position: 36°37'S 73°03'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	2 738 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0155, 1355	A	Present weather for the Quiriquina area. In Spanish

Marine Rescue Co-ordination Centre: Isla San Pedro

Call Sign: CBS

METAREA: XV

Area Covered: Ocean areas south of 33°S between 20°W and 70°W.

Region: WMO REGION: III

Position: 47°43'S 74°53'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	2 738 kHz			
VHF	B	Ch 14			

Broadcast Times	Frequency ID	Contents of Broadcast
0105, 1305	A	Forecast for Areas 6 & 7 and present weather for Isla San pedro and Golfo de Penas areas. In Spanish
0115, 1315	B	Forecast for Areas 6 & 7 and present weather for Isla San pedro and Golfo de Penas areas. In Spanish

Marine Rescue Co-ordination Centre: Islote Fairway, Faro

Call Sign: CBM4

METAREA: XV

Area Covered: Ocean areas south of 33°S between 20°W and 70°W.

Region: WMO REGION: III

Position: 52°44'S 73°47'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	2 738 kHz			
VHF	B	Ch 14			

Broadcast Times	Frequency ID	Contents of Broadcast
0150, 1350	A	Present weather for Islote Fairway area with summaries for Felix and Evangelistas. In Spanish
0155, 1355	B	Present weather for Islote Fairway area with summaries for Felix and Evangelistas. In Spanish

Marine Rescue Co-ordination Centre: Islotes Evangelistas, Faro

Call Sign: CBM

METAREA: XV

Area Covered: Ocean areas south of 33°S between 20°W and 70°W.

Region: WMO REGION: III

Position: 52°24'S 75°06'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 738 kHz			
VHF	**B**	Ch 14			

Broadcast Times	Frequency ID	Contents of Broadcast
0205, 1405	**A**	Present weather for the westerm Estrecho de Magallanes area with summary for Faro Fairway and Faro Felix. In Spanish.
0210, 1410	**B**	Present weather for the westerm Estrecho de Magallanes area with summary for Faro Fairway and Faro Felix. In Spanish.

Marine Rescue Co-ordination Centre: Juan Fernández

Call Sign: CBF

METAREA: XV

Area Covered: Ocean areas south of 33°S between 20°W and 70°W.

Region: WMO REGION: III

Position: 33°36'S 78°50'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 738 kHz			
VHF	**B**	Ch 14			

Broadcast Times	Frequency ID	Contents of Broadcast
0220, 1420	**A**	Present weather for Isla Juan Fernández. In Spanish.
0205, 1405	**B**	Present weather for Isla Juan Fernández. In Spanish.

Navtex Station: Magallanes

Call Sign:

METAREA: XV

Area Covered: East Pacific - Ocean areas south of 33°S between 20°W and 70°W.

Region: WMO REGION: III

Position: 52°09'S 70°54'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[E]	518 kHz			
MSI	[L]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0440, 1240, 2040	[E]	Storm warnings, and forecast for Areas 6-8. In English. Navigational warnings: NAVAREA XV warnings. Ice reports when situation so requires. In English.
0040, 0840, 1640	[L]	Storm warnings, and forecast for Areas 6-8. In Spanish. Navigational warnings: NAVAREA XV warnings. Ice reports when situation so requires. In Spanish.

Marine Rescue Co-ordination Centre: Magallanes Zonal Radio

Call Sign: CBM

24-hour watch

METAREA: XV

Area Covered: East Pacific - Ocean areas south of 33°S between 20°W and 70°W.

Region: WMO REGION: III

Position: 52°56'S 70°55'W

Radio Address: Magallanes, Zonal Radio, Punta Arenas

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	2 738 kHz			
RT (HMF)	B	4 146 kHz			
VHF	C	Ch 10			

Broadcast Times	Frequency ID	Contents of Broadcast
0035, 1235	A	Forecast for areas 6-8. In Spanish. Special forecast for areas Estrecho Nelson, Puerto Natales, Fairway, Froward - Dungeness, Punta Arenas, Dungeness - Wollaston, Canal Beagle, Nassau - Cabo de hornos, Cabo de Hornos.
0035, 1235	B	Present weather for Faro Evangelistas and Faro Fairway areas. In Spanish.
0010, 1210	C	Forecast for areas 6-8. In Spanish. Special forecast for areas Estrecho Nelson, Puerto Natales, Fairway, Froward - Dungeness, Punta Arenas, Dungeness - Wollaston, Canal Beagle, Nassau - Cabo de hornos, Cabo de Hornos.

Marine Rescue Co-ordination Centre: Puerto Aysén — Call Sign: CBP3

Region: WMO REGION: III
Position: 45°24'S 72°42'W
Radio Address:

METAREA: XV
Area Covered: Ocean areas south of 33°S between 20°W and 70°W.

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 738 kHz			
VHF	**B**	Ch 14			

Broadcast Times	Frequency ID	Contents of Broadcast
0150, 1350	**A**	Local weather for the Puerto Aysén and lakes area. In Spanish
0205, 1405	**B**	Local weather for the Puerto Aysén and lakes area. In Spanish

Marine Rescue Co-ordination Centre: Puerto Montt Zonal Radio — Call Sign: CBP

METAREA: XV

Area Covered: East Pacific - Ocean areas south of 33°S between 20°W and 70°W.

Region: WMO REGION: III

Position: 41°29'S 72°57'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HMF)	**A**	4 146 kHz			
RT (MF)	**A**	2 738 kHz			
VHF	**B**	Ch 10			

Broadcast Times	Frequency ID	Contents of Broadcast
1130, 2325	**A**	Forecast for areas 4-8 and present weather for Puerto Montt, Faro Corona, Faro Raper and Faro Guafo. In Spanish. Special forecast for areas Estrecho Nelson, Puerto Natales, Fairway, Froward - Dungeness, Punta Arenas, Dungeness - Wollaston, Canal Beagle, Nassau - Cabo de hornos, Cabo de Hornos.
1150, 2345	**B**	Forecast for areas 4-8 and present weather for Puerto Montt, Faro Corona, Faro Raper and Faro Guafo. In Spanish. Special forecast for areas Estrecho Nelson, Puerto Natales, Fairway, Froward - Dungeness, Punta Arenas, Dungeness - Wollaston, Canal Beagle, Nassau - Cabo de hornos, Cabo de Hornos.
0430, 1230, 2030	**D**	Storm warnings, and forecast for Areas 4-8. In English. National warnings (NURNAV). Ice Reports when situation so requires. In English.
0030, 0830, 1630	**K**	Storm warnings, and forecast for Areas 4-8. National warnings (NURNAV). Ice Reports when situation so requires. In Spanish.

Navtex Station: Puerto Montt Zonal Radio

Call Sign: CBP

METAREA: XV

Area Covered: East Pacific - Ocean areas south of 33°S between 20°W and 70°W.

Region: WMO REGION: III

Position: 41°29'S 72°57'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[D]	518 kHz			
MSI	[K]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0430, 1230, 2030	[D]	Storm warnings and forecasts for areas 4-8. In English. Navigational warnings: NURNAV. Ice reports when required. In English.

Marine Rescue Co-ordination Centre: Punta Corona, Faro

Call Sign: CBP70

METAREA: XV

Area Covered: Ocean areas south of 33°S between 20°W and 70°W.

Region: WMO REGION: III

Position: 41°47'S 73°53'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	2 738 kHz			
VHF	B	Ch 14			

Broadcast Times	Frequency ID	Contents of Broadcast
0045, 0645, 1245, 1845	A	Present weather for westerm Chacao Channel with summary for Puerto Montt and Isla Guafo. In Spanish.
0050, 0650, 1250, 1850	B	Present weather for westerm Chacao Channel with summary for Puerto Montt and Isla Guafo. In Spanish.

Marine Rescue Co-ordination Centre: Punta Delgada

Call Sign: CBM5

METAREA: XV

Area Covered: Ocean areas south of 33°S between 20°W and 70°W.

Region: WMO REGION: III

Position: 52°27'S 69°33'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 738 kHz			
VHF	**B**	Ch 14			

Broadcast Times	Frequency ID	Contents of Broadcast
0150, 1350	**A**	Present weather for the eastern entrance to Estrecho de Magallanes. In Spanish
0155, 1355	**B**	Present weather for the eastern entrance to Estrecho de Magallanes. In Spanish

Marine Rescue Co-ordination Centre: Punta Dungenes, Faro

Call Sign: CBM71

METAREA: XV

Area Covered: Ocean areas south of 33°S between 20°W and 70°W.

Region: WMO REGION: III

Position: 52°24'S 68°26'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 738 kHz			
VHF	**B**	Ch 14			

Broadcast Times	Frequency ID	Contents of Broadcast
0205, 1405	**A**	Present weather for the eastern entrance to Estrecho de Magallanes. In Spanish
0210, 1410	**B**	Present weather for the eastern entrance to Estrecho de Magallanes. In Spanish.

Marine Rescue Co-ordination Centre: San Antonio

Call Sign: CBV22

METAREA: XV

Area Covered: Ocean areas south of 33°S between 20°W and 70°W.

Region: WMO REGION: III

Position: 33°35'S 71°37'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 738 kHz			
VHF	**B**	Ch 10			

Broadcast Times	Frequency ID	Contents of Broadcast
0045, 1245	**A**	Forecast for areas 3. In Spanish.
0055, 1255	**B**	Forecast for areas 3. In Spanish.

Marine Rescue Co-ordination Centre: Talcahuano Zonal Radio

Call Sign: CBT

24-hour watch

METAREA: XV

Area Covered: East Pacific - Ocean areas south of 33°S between 20°W and 70°W.

Region: WMO REGION: III

Position: 36°42'S 73°06'W

Radio Address: Talcahuano Zonal Radio

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 738 kHz			
VHF	**B**	Ch 14			

Broadcast Times	Frequency ID	Contents of Broadcast
0045, 1245	**A**	Forecast for areas 3-5. In Spanish.
0055, 1255	**B**	Forecast for the Bahía Concepción area. In Spanish.

Navtex Station: Talcahuano Zonal Radio **Call Sign: CBT**

24-hour watch

METAREA: XV

Area Covered: East Pacific - Ocean areas south of 33°S between 20°W and 70°W.

Region: WMO REGION: III

Position: 36°42'S 73°06'W

Radio Address: Talcahuano Zonal Radio

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[C]	518 kHz			
MSI	[J]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0420, 1220, 2020	[C]	Storm warnings, and forecast for Areas 3-5. In English. Navigational warnings: NAVAREA XV warnings. In English.
0020, 0820, 1620	[J]	Storm warnings, and forecast for Areas 3-5. In Spanish. Navigational warnings: NAVAREA XV warnings. In Spanish.

Maritime Radio Station: Valparaiso Playa Ancha (Radio Centro de Telecomunicaciones Maritimas) **Call Sign: CBV**

24-hour watch

METAREA: XV

Area Covered: East Pacific - Ocean areas south of 33°S between 20°W and 70°W.

Region: WMO REGION: III

Position: 32°48'S 71°29'W

Radio Address: Central Telecomunicaciones Navales, Valparaiso

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
Radio-telex	**A**	22 380.5 kHz	(2209)		
Radio-telex	**A**	16 814.5 kHz	(1616)		
Radio-telex	**A**	16 811 kHz	(1609)		
Radio-telex	**A**	12 583.5 kHz	(1209)		
Radio-telex	**A**	8 424 kHz	(816)		
Radio-telex	**A**	8 420.5 kHz	(809)		
Radio-telex	**A**	4 217.5 kHz	(416)		
Radio-telex	**A**	4 214.5 kHz	(409)		
Radio-telex	**B**	12 587 kHz	(1216)		
RT (HF)	**C**	4 357 kHz	(401)		
RT (MF)	**C**	2 738 kHz			
VHF	**D**	Ch 10			

Broadcast Times	Frequency ID	Contents of Broadcast
1845	**A**	Storm warnings, synopsis, 24 hour forecast for Areas 10. (In Spanish and English)
1610	**A**	Storm warnings, synopsis and forecast for Areas 7,8. (In Spanish and English)
1210	**A**	Storm warnings, synopsis and forecast for Areas 1-6. In Spanish and English.
0110	**A**	Storm warnings, synopsis and forecast for Areas 1-8. In Spanish and English
1430	**A, B**	In Spanish and English. Navigational warnings: NAVAREA XV warnings and coastal warnings (NURNAV).
On request	**B**	Storm warnings, synopsis and forecast for Areas 1-8. In Spanish and English.
1235, 2335	**C**	Storm warnings, synopsis, 24 hour forecast for Areas 1-6. (In Spanish)
1215, 2315	**D**	Forecast for Valparaiso Bay and areas 2,3. 8. (In Spanish)

Navtex Station: Valparaiso Playa Ancha (Radio Centro de Telecomunicaciones Maritimas)

Call Sign: CBV

24-hour watch

METAREA: XV

Area Covered: East Pacific - Ocean areas south of 33°S between 20°W and 70°W.

Region: WMO REGION: III

Position: 32°48'S 71°29'W

Radio Address: Central Telecomunicaciones Navales, Valparaiso

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[I]	490 kHz			
MSI	[B]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0010, 0810, 1610	[I]	Storm warnings, and weather forecast. In Spanish. Navigational warnings: NAVAREA XV warnings. In Spanish.
0410, 1210, 2010	[B]	Storm warnings, and weather forecast. In English. Navigational warnings: NAVAREA XV warnings. In English.

Marine Rescue Co-ordination Centre: Wollaston

Call Sign: CBN

METAREA: XV

Area Covered: Ocean areas south of 33°S between 20°W and 70°W.

Region: WMO REGION: III

Position: 55°36'S 67°25'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	2 738 kHz			
VHF	B	Ch 14			

Broadcast Times	Frequency ID	Contents of Broadcast
0205, 1405	A	Present weather for Islas Wollaston. In Spanish.
0210, 1410	B	Present weather for Islas Wollaston. In Spanish.

Navtex Station: Dalian

Call Sign: XSZ

24-hour watch

METAREA: XI

Area Covered: East/South China Sea

Region: WMO REGION: II

Position: 38°52'N 121°31'E

Radio Address: METEO Dalian

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[R]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0650, 1450, 2250	[R]	Navigational warnings: For Areas 1-4. In English and Chinese.
0250, 1050	[R]	Gale warnings, situation, 24 hour forecast for areas 1-4. In English and Chinese.
0250, 0650, 1050, 1450, 2250	[R]	Storm Warnings. In English and Chinese.

Navtex Station: Fuzhou

Call Sign:

METAREA: XI

Area Covered:

Region: WMO REGION: II

Position: 26°02'N 119°18'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[O]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0220, 0620, 1020, 1420, 2220	[O]	In English and Chinese.

Maritime Radio Station: Guangzhou — Call Sign: XSQ

24-hour watch

METAREA: XI

Area Covered: East/South China Sea
Taiwan Straits, Bashi Channel, Nanhai Sea and Beibu Wan Gulf (Bac Bo Gulf) (see map)

Region: WMO REGION: II
Position: 23°09'N 113°29'E
Radio Address: METEO Guangzhou

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
WT (MF)	**A**	445 kHz			H24
WT (HF)	**B**	4 340 kHz			1000-2200
WT (HF)	**C**	6 382 kHz			2200-1000
WT (HF)	**D**	8 458 kHz			H24
WT (HF)	**E**	12 973 kHz			H24
Radio-telex	**F**	4 219 kHz	(419)		1200-0000
Radio-telex	**G**	6 329 kHz	(631)		0000-1200
Radio-telex	**H**	8 431 kHz	(830)		H24
Radio-telex	**I**	12 622.5 kHz	(1288)		H24
Radio-telex	**J**	16 854 kHz	(1696)		H24

Broadcast Times	Frequency ID	Contents of Broadcast
1400	**A, B, D, E**	Navigational warnings: For coastal waters of China S of 24°N. In Chinese.
1300	**A, B, D, E**	Tropical strom warnings, 24 hour forecast. In Chinese.
0600	**A, C-E**	Navigational warnings: For coastal waters of China S of 24°N. In Chinese.
0200, 0730	**A, C-E**	Navigational warnings: For coastal waters of China S of 24°N. In Chinese.
0100	**A, C-E**	Tropical strom warnings, 24 hour forecast. In Chinese.
0030	**A, C-E**	Tropical strom warnings, 24 hour forecast. In English.
1230	**A-E**	Tropical strom warnings, 24 hour forecast. In English.
0248, 0448, 084, 1048, 1448, 1648, 2048, 2248	**A-E**	Storm warnings. In Chinese and English. Navigational warnings: For coastal waters of China S of 24°N.
1320	**F, H-J**	Tropical strom warnings, 24 hour forecast - in English. Navigational warnings: For coastal waters of China S of 24°N - in Chinese.
0720	**G-J**	In English. Navigational warnings: For coastal waters of China S of 24°N. In In English.
0120	**G-J**	Tropical strom warnings, 24 hour forecast - in English. Navigational warnings: For coastal waters of China S of 24°N - in Chinese.

Navtex Station: Guangzhou

Call Sign: XSQ

24-hour watch

METAREA: XI

Area Covered: East/South China Sea
Taiwan Straits, Bashi Channel, Nanhai Sea and Beibu Wan Gulf (Bac Bo Gulf) (see map)

Region: WMO REGION: II
Position: 23°09'N 113°29'E
Radio Address: METEO Guangzhou

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[N]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0610, 1010, 2210	[N]	Navigational warnings: For coastal waters of China S of 24°N. In English.
0210, 1410	[N]	Tropical storm warnings and 24 hour forecast. In English.
0210, 0610, 1010, 1410, 2210	[N]	Storm Warnings. In English.

Navtex Station: Sanya

Call Sign:

METAREA: XI

Area Covered:

Region: WMO REGION: II
Position: 18°14'N 109°33'E
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[M]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0200, 0600, 1000, 1400, 2200	[M]	In English.

Maritime Radio Station: Shanghai — Call Sign: XSG

24-hour watch

Region: WMO REGION: II
Position: 31°07'N 121°33'E
Radio Address: METEO Shanghai

METAREA: XI

Area Covered: East/South China Sea
Bohai Sea, Huanghai Sea, Donghai Sea, Shanghai Port, Taiwan Straits and sea areas around Taiwan province (see map)

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
WT (MF)	**A**	522.5 kHz			H24
WT (HF)	**B**	4 259 kHz			1000-2200
WT (HF)	**C**	17 103 kHz			-
WT (HF)	**C**	12 856 kHz			-
WT (HF)	**C**	8 665 kHz			-
WT (HF)	**C**	6 454 kHz			2200-1000
Radio-telex	**D**	16 898.5 kHz	(16185)		H24
Radio-telex	**D**	12 637.5 kHz	(12118)		H24
Radio-telex	**D**	8 425.5 kHz	(819)		H24
Radio-telex	**D**	6 326 kHz	(625)		2200-1000
Radio-telex	**D**	4 215 kHz	(410)		1000-2200

Broadcast Times	Frequency ID	Contents of Broadcast
0330, 0930	**A,C**	Gale warnings and 24 hour forecast. In Chinese.
0330, 0900	**A,C**	Gale warnings and 24 hour forecast. In English.
0250, 0850, 1350, 2350	**A-C**	Navigational warnings: For coastal waters of China N of 24°N. In English.
0200	**A-C**	Navigational warnings: For coastal waters of China N of 24°N. In English.
0100, 1400, 1700	**A-C**	Navigational warnings: For coastal waters of China N of 24°N. In Chinese.
0000, 0300, 0500, 0900, 1200, 1500, 1800, 2100	**A-C**	Gale warnings. In Chinese.
0250, 0650, 1350, 2350	**D**	Navigational warnings: For coastal waters of China N of 24°N. In Chinese.

Navtex Station: Shanghai **Call Sign: XSG**

24-hour watch

METAREA: XI

Area Covered: East/South China Sea
Bohai Sea, Huanghai Sea, Donghai Sea, Shanghai Port, Taiwan Straits and sea areas around Taiwan province (see map)

Region: WMO REGION: II
Position: 31°07'N 121°33'E
Radio Address: METEO Shanghai

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[Q]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0240, 0640, 1040	[Q]	Navigational warnings: For coastal waters of China N of 24°N. In English and Chinese.
0240, 1040	[Q]	Gale warnings, synopsis for East Asia, 24 hour forecast for Areas 1-14 and Shanghai Harbour. In English and Chinese.
0240, 0640, 1040, 1440, 2240	[Q]	Gale warnings. In English and Chinese.

Maritime Radio Station: Tianjin **Call Sign: XSV**

METAREA: XI

Area Covered: North and Central Huanghai Sea and the Bohai Sea (see map)

Region: WMO REGION: II

Position: 38°54'N 117°44'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
WT (HF)	**A**	12 969 kHz			H24
WT (HF)	**A**	8 600 kHz			H24
WT (HF)	**A**	4 283 kHz			1000-2200
Radio-telex	**B**	8 417.5 kHz	(803)		H24
Radio-telex	**B**	4 212.5 kHz	(405)		1000-2200
Radio-telex	**B**	12 581.5 kHz	(1205)		H24

Broadcast Times	Frequency ID	Contents of Broadcast
0600, 1300, 2100	**A**	Navigational warnings: For Bo Hai. In Chinese and English.
0230	**A**	Navigational warnings: For Bo Hai. In English.
0630, 1330	**A**	Navigational warnings: For Bo Hai. In Chinese.
0230, 0600, 1300, 1830, 2200	**A**	Gale warnings. In Chinese and English.
0500, 1200, 2300	**B**	In Chinese and English. Navigational warnings: For Bo Hai.
0700	**B**	Navigational warnings: For Bo Hai. In English.
0500, 1200, 2300	**B**	Navigational warnings: For Bo Hai. In Chinese.
0500, 0700, 1200, 1600, 2000, 2300	**B**	Gale warnings. In Chinese and English.

(1) After preliminary call on 500 kHz.

Maritime Radio Station: Moroni **Call Sign:**

Region: WMO REGION: I

METAREA: VII

Position:

Area Covered: Comoro archipelago

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	3 331 kHz			
RT (HF)	**B**	7 260 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
Mon-Sat: 0400, 1700 Sun: 1700	**A**	Situation and 24 hour forecast for Comoro Islands. In French.
0930	**B**	Special cyclone bulletin. In French.

Maritime Radio Station: Pointe Noire **Call Sign:**

Region: WMO REGION: I
Position: 04°47'S 11°52'E
Radio Address:

METAREA: II
Area Covered:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 705 kHz		4°47'S 11°52'E	

Broadcast Times	Frequency ID	Contents of Broadcast
0610, 0810, 1010, 1410, 1610	**A**	Navigational warnings: For coastal waters of Congo. In French.

Maritime Radio Station: Rarotonga **Call Sign: ZKR**

24-hour watch

METAREA: X

Area Covered:

Region: WMO REGION: V

Position: 21°12'S 159°49'W

Radio Address: METEO Wellington; TF 29476; TLX 62010; A/B COMDIV RG

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 207 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0015, 0615, 1815	**A**	Forecast for Cook Islands coastal waters.

Maritime Radio Station: Radio Bahía, Puntarenas — **Call Sign:**

Region: WMO REGION: IV

METAREA: XII

Position:

Area Covered: (a) Coastal waters, (b) Pacific Ocean and Caribbean Sea, from 90°W to 80°W, 11°N to 5°N, including Coco island

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
	A	107.9 MHz			

Broadcast Times	Frequency ID	Contents of Broadcast
1300, 0100	A	Offshore and coastal marine forecast. (In Spanish)

Maritime Radio Station: Radio Casino, Limón — **Call Sign:**

Region: WMO REGION: IV

METAREA: IV

Position:

Area Covered: (a) Coastal waters, (b) Pacific Ocean and Caribbean Sea, from 90°W to 80°W, 11°N to 5°N, including Coco island

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
	A	98.3 MHz			

Broadcast Times	Frequency ID	Contents of Broadcast
1300, 0000	A	Offshore and coastal marine forecast. (In Spanish)

Commercial Station: Radio Dos — **Call Sign:**

Region: WMO REGION: IV

METAREA: XII

Position:

Area Covered: (a) Coastal waters; (b) Pacific Ocean and Caribbean Sea, from 90°W to 80°W, 11°N to 5°N, including Coco island

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
	A	99.5 MHz			

Broadcast Times	Frequency ID	Contents of Broadcast
1400	A	National weather report and forecast. Offshore and coastal Marine Forecast. In English.

Maritime Radio Station: Radio Pampa, Guanacaste — **Call Sign:**

Region: WMO REGION: IV

METAREA: XII

Position:

Area Covered: (a) Coastal waters, (b) Pacific Ocean and Caribbean Sea, from 90°W to 80°W, 11°N to 5°N, including Coco Island.

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
	A	1 420 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
1200, 0100	A	Offshore and coastal marine forecast. (In Spanish)

Maritime Radio Station: Radio Stero Bahía, Limón — **Call Sign:**

Region: WMO REGION: IV

METAREA: IV

Position:

Area Covered: (a) Coastal waters, (b) Pacific Ocean and Caribbean Sea, from 90°W to 80°W, 11°N to 5°N, including Coco island

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
	A	107.9 MHz			

Broadcast Times	Frequency ID	Contents of Broadcast
1300, 0000	A	Offshore and coastal marine forecast. (In Spanish)

Maritime Radio Station: Abidjan Radio **Call Sign: TUA**

24-hour watch

METAREA: II

Area Covered:

Region: WMO REGION: I

Position: 05°22'N 03°58'W

Radio Address: METEO Abidjan Aérodrome; Telex: ASECNA 42351; Telex: ABIDJAN RADIO 3602

Mode Of Transmission	ID	Frequency	Area/International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 586 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0848, 1248, 1948	**A**	Navigational warnings: For coastal waters of Ivory Coast. In French.

Maritime Radio Station: Dubrovnik

Call Sign: 9AD

24-hour watch

Region: WMO REGION: VI

METAREA: III

Position: 42°39'N 018°07'E

Area Covered: Adriatic Sea (see map)

Radio Address: METEO Split

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 07		Srdj (Dubrovnik) 42°39'N 18°07'E	
VHF	**A**	Ch 85		Hum 42°45'N 17°29'E	
VHF	**C**	Ch 04		Uljenje (Poluotok Peljesac) 42°54'N 17°29'E	

Broadcast Times	Frequency ID	Contents of Broadcast
0625, 1320, 2120	**A**	Weather bulletins for Adriatic sea. In Croatian & English. Navigational warnings: For coastal waters of Croatia.

Maritime Radio Station: Habour Master Office

Call Sign:

Region: WMO REGION: VI

METAREA: III

Position:

Area Covered:

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 73		Pula (N Adriatic)	
VHF	**B**	Ch 69		Rijeka (N Adriatic)	
VHF	**C**	Ch 67		Split (Central Adriatic)	
VHF	**D**	Ch 73		Dubrovnik (S Adriatic)	

Broadcast Times	Frequency ID	Contents of Broadcast
Continuous	**A-D**	Taped-voice weather information for coastal waters of Croatia. Broadcasts are made throughout the year and are repeated approximately every 10 minutes, the tape is updated at 0700, 1300 and 1900 LT. Information includes: brief situation report, 24 hour short forecast. In Croatian, English, Italian, German.

Maritime Radio Station: Rijeka

Call Sign: 9AR

24-hour watch

METAREA: III

Area Covered: Adriatic Sea (see map)

Region: WMO REGION: VI

Position: 45°06'N 014°32'E

Radio Address: METEO Split

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 24		Vrh Ucka (Rijeka) 45°17'N 14°12'E	
VHF	A	Ch 20		Susak 44°31'N 14°12'E	
VHF	A	Ch 81		Savudrija 45°29'N 13°29'E	
VHF	A	Ch 04		Kamenjak (Otok Rab) 44°46'N 14°47'E	

Broadcast Times	Frequency ID	Contents of Broadcast
0535, 1435, 1935	A	Weather bulletins for Adriatic sea. In Croatian & English. Navigational warnings: For coastal waters of Croatia.

Maritime Radio Station: Split (Hvar I.)

Call Sign: 9AS

24-hour watch

METAREA: III

Area Covered: Adriatic Sea (see map)

Region: WMO REGION: VI

Position: 43°30'N 16°29'E

Radio Address: METEO Split

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 23		Vidova Gora (Otok Brac) 43°17'N 16°37'E	
VHF	A	Ch 07		Sveti Mihovil (Otok Ugljan) 44°04'N 15°10'E	
VHF	A	Ch 21		Labistica (Split) 43°35'N 16°13'E	
VHF	A	Ch 28		Celavac 44°16'N 15°47'E	
VHF	A	Ch 81		Hum (Otok Vis) 43°01'N 16°07'E	

Broadcast Times	Frequency ID	Contents of Broadcast
0545, 1245, 1945	A	Weather bulletins for Adriatic sea. In Croatian & English. Navigational warnings: For coastal waters of Croatia.

Navtex Station: Split (Hvar I.) **Call Sign: 9AS**

24-hour watch

METAREA: III

Area Covered: Adriatic Sea (see map)

Region: WMO REGION: VI

Position: 43°30'N 16°29'E

Radio Address: METEO Split

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[Q]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0240, 0640, 1040, 1440, 1840, 2240	[Q]	Gale warnings, synopsis and 24 hour forecast for Adriatic Sea and Strait of Otranto. In English. Navigational warnings: For coastal waters of Croatia. In English.

Maritime Radio Station: Cienfuegos

Call Sign:

Region: WMO REGION: IV
Position: 22°08'N 80°27'W
Radio Address:

METAREA: IV
Area Covered:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 760 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
2305	**A**	In Spanish.

Note: Station temp inop (April 2005).

Maritime Radio Station: Habana

Call Sign: CLA, CLT

Region: WMO REGION: IV
Position: 23°10'N 82°19'W
Radio Address:

METAREA: IV
Area Covered: Cuba and surrounding waters

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 760 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
2310	**A**	In Spanish.
0105, 1305	**A**	Hurricane warnings. In Spanish(1).
0403, 2203	**A**	In Spanish.

(1) After prior announcement on 2 182 kHz.

Maritime Radio Station: Santiago de Cuba **Call Sign:**

METAREA: IV

Area Covered:

Region: WMO REGION: IV

Position: 20°01'N 75°50'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 760 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
2340	**A**	In Spanish.

Note: Station temp inop (April 2005).

CURAÇAO AND BONAIRE (NETHERLANDS ANTILLES)

Call Sign Series:

Navtex Station: Curaçao

Call Sign:

METAREA: IV

Area Covered:

Region: WMO REGION: IV

Position: 12°10'N 68°52'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[H]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0110, 0510, 0910, 1310, 1710, 2110	[H]	Navigational warnings: Local warnings for Carribbean. In English.
1310	[H]	Gale warnings, synopsis, 24 hour and 48 hour wind forecast, visibility and outlook forecast for Caribbean Sea. In English.

Notes:
Warnings are given from 15/07-14/11

Marine Rescue Co-ordination Centre: Curaçao Radio (JRCC)

Call Sign:

24-hour watch

METAREA: IV

Area Covered: Caribbean Sea, Gulf of Mexico and the Atlantic south of 25°N and west of 45°W

Region: WMO REGION: IV

Position: 12°10'N 68°52'W

Radio Address: METEO WASHDC

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 182 kHz			
VHF	**B**	Ch16 26 27			

Broadcast Times	Frequency ID	Contents of Broadcast
On request	**A, B**	Gale warnings, synopsis 24 hour, and 48 hour wind forecast, visibility and outlook forecast for Caribbean Sea. In English.

Warnings are given from 15/07-14/11

Commercial Station: BFBS Radio 1 Cyprus

Call Sign:

Region: WMO REGION: VI

METAREA: III

Position:

Area Covered:

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
FM	**A**	89.7 MHz		Nicosia	
FM	**B**	92.1 MHz		Akrotiri	
FM	**C**	99.6 MHz		Dhekelia	

Broadcast Times	Frequency ID	Contents of Broadcast
Mon-Fri: 0640, 1015, 1310 Sat: 0635 Sun: 0710, 0910	**A-C**	Inshore forecast for area between Cape Aspro and Cape Greco including sea state, wind speed and direction, visibility and temperatures. Forecast valid until 1900 LT on day of broadcast. In English.

NOTE:
All broadcasts are on Local Time and are approximate.

Maritime Radio Station: Cyprus

Call Sign:

H24

Region: WMO REGION: VI

METAREA: III

Position: 35°03'N 33°17'E

Area Covered:

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 700 kHz		35°03'N 33°17'E	

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt 0733, 1533	**A**	For Eastern Mediterranean.

Navtex Station: Cyprus

Call Sign:

Region: WMO REGION: VI

METAREA: III

Position: 35°03'N 33°17'E

Area Covered:

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[M]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0200, 0600, 1000, 1400, 1800, 2200	[M]	Gale warnings and forecast for Eastern Mediterranean. In English. Navigational warnings: For Eastern Mediterranean. In English.

Commercial Station: Danmarks Radio **Call Sign:**

Region: WMO REGION: VI

METAREA: I

Position:

Area Covered:

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	**A**	1 062 kHz	Programme 1	Kalundborg	
AM	**A**	243 kHz	Programme 1	Kalundborg	
FM	**B**	99.6 MHz	Programme 2	S Sjaelland	
FM	**B**	90.0 MHz	Programme 2	Borgholm	
FM	**B**	93.9 MHz	Programme 2	Kobenhavn	
FM	**B**	88.4 MHz	Programme 2	Hammeren	
FM	**B**	92.0 MHz	Programme 2	Hobro	
FM	**B**	97.2 MHz	Programme 2	S Jylland	
FM	**B**	92.9 MHz	Programme 2	W Jylland	
FM	**B**	92.3 MHz	Programme 2	SW Jylland	
FM	**B**	99.2 MHz	Programme 2	Thisted	
FM	**B**	90.7 MHz	Programme 2	Vejle	
FM	**B**	96.6 MHz	Programme 2	N Jylland	
FM	**B**	89.7 MHz	Programme 2	Alborg	
FM	**B**	91.7 MHz	Programme 2	Arhus	
FM	**B**	92.6 MHz	Programme 2	Odsherred	

Broadcast Times	Frequency ID	Contents of Broadcast
0445, 0745, 1045, 1645, 2145	**A**	Gale and storm warnings, weather situation and outlook for Jylland, The Islands and Areas 1-19. 5 day oulook for areas 2-9 and 13-15, 7 day outlook for Jylland, The Islands and Bornholm, broadcast at 1045 and 1645. Reports from meteorological observations stations. Water current reports fro areas near Drogden Light. Navigational warnings: Ice reports are broadcast when the ice situation so requires; ice and navigation conditions for Danish waters.
Every H+00 with the news bulletins	**B**	Strong wind warnings, for Areas 2-5 and Limfjorden when the wind speed is expected to reach Beaufort Force 6 (11-13 metres per second), and for the area S of Esbjerg from 1 May - 31 October only.

Maritime Radio Station: Lyngby **Call Sign: OXZ**

24-hour watch

Region: WMO REGION: VI

METAREA: I

Position:

Area Covered: Danish coastal and internal waters

Radio Address: METEO København

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 586 kHz		Ronne 55°02'N 15°06'E	
RT (MF)	**A**	1 758 kHz		Skagen 57°44'N 10°35'E	
RT (MF)	**A**	1 734 kHz		Blavand 55°33'N 08°07'E	
VHF	**B**	Ch 07		Als 54°58'N 09°33'E	
VHF	**C**	Ch 07		Anholt 56°42'N 11°35'E	
VHF	**D**	Ch 04		Arsballe 55°09'N 14°53'E	
VHF	**E**	Ch 23		Blavand 55°33'N 08°07'E	
VHF	**F**	Ch 02		Bovbjerg 56°32'N 08°10'E	
VHF	**G**	Ch 05		Fornaes 56°27'N 10°57'E	
VHF	**H**	Ch 03		Frejlev 57°00'N 0950'E	
VHF	**I**	Ch 01		Hanstholm 57°07'N 08°39'E	
VHF	**J**	Ch 66		Hirtshals 57°31'N 09°57'E	
VHF	**K**	Ch 28		Karleby 54°52'N 11°12'E	
VHF	**L**	Ch 03		Kobenhavn 55°41'N 12°37'E	
VHF	**M**	Ch 64		Laeso 57°17'N 11°03'E	
VHF	**N**	Ch 02		Mern (Mon) 55°03'N 11°59'E	
VHF	**O**	Ch 04		Rosnaes 55°44'N 10°55'E	
VHF	**P**	Ch 04		Skagen 57°44'N 10°35'E	
VHF	**Q**	Ch 01		Svendborg 55°02'N 10°37'E	
VHF	**R**	Ch 83		Vejby 56°05'N 12°08'E	
VHF	**S**	Ch 65		Vejle 55°40'N 09°30'E	

Broadcast Times	Frequency ID	Contents of Broadcast
1305 (with traffic list broadcast)	**A**	Navigational warnings: Ice reports for Danish Waters in Baltic Ice Code. In English.
On receipt	**A**	Gale and storm warnings for all Areas. In English & Danish.
0133, 0533, 0933, 1333, 1733, 2133	**A-S**	In English.
On request	**A-S**	Gale warnings and forecast for all Areas. In English.
On receipt	**A-S**	Storm warnings.
On request	**A-S**	Navigational warnings: Ice reports for Danish Waters in Baltic Ice Code. In English.
On receipt	**B-S**	Gale and storm warnings for Areas: Area 1 on D Area 2 on D, N Area 3 on B, D, K, L, N. Q Area 4 on C, G, H, J, L, M, O, P, R, S Area 5 on C, G, H, L, M, O, P, R, S Area 6 on F, I, J, M, P Area 8 on E, F, I, J Area 9 on E, F In English & Danish.
0220, 0520, 0820, 1120, 1420, 1720, 2020, 2320	**C, G, K, M-P**	In English & Danish. Navigational warnings: SHIPPOS information including positions of large vessels, actual watre levels and serial numbers of navigational warnings in force for Route T .

(1) Previous announcement on channel 16.
(2) Previous announcement on 2 182 kHz and channel 16.

Maritime Radio Station: Tórshavn Radio (Faeroes) — Call Sign: OXJ

24-hour watch

METAREA: I

Area Covered: Faroe Islands and surrounding waters

Region: WMO REGION: VI

Position: 62°01'N 06°47'W

Radio Address: METEO København

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	1 641 kHz			
VHF	**B**	Ch 26		Tórshavn 62°01'N 06°49'W	
VHF	**B**	Ch 23		Suouroy 61°25'N 06°45'W	
VHF	**B**	Ch 25		Fugloy 62°20'N 06°19'W	
VHF	**B**	Ch 24		Fugloy 62°20'N 06°19'W	

Broadcast Times	Frequency ID	Contents of Broadcast
On request	**A**	Forecast for areas 16-19.
Every even H+35	**A, B**	Storm and gale warnings for Areas 16-19. In Faeröese & English.
On receipt	**A, B**	Storm and gale warnings for Areas 16-19. In English.

List of stations:
06011 Thorshavn
06066 Stauning Flyveplads
— Nolsø 61°58'N 06°37'W
— Sumbø 61°24'N 06°42'W

Maritime Radio Station: Utvarp Föroya (Radio Faeroe) — Call Sign:

METAREA: I

Area Covered: Faroe Islands and surrounding waters

Region: WMO REGION: VI

Position:

Radio Address:

Notes:
Broadcast given 2 hours earlier when DST is in force.

Maritime Radio Station: Djibouti **Call Sign: J2A**

Region: WMO REGION: I
Position: 11°35'N 43°07'E
Radio Address:

METAREA: IX

Area Covered: Red sea, gulf of Aden and Indian Ocean North of 10°S and West of 60°E (determination of areas: see map of weather forecast areas)

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
WT (MF)	**A**	464 kHz		11°35'N 43°07'E	

Broadcast Times	Frequency ID	Contents of Broadcast
On request (0600-1500)	**A**	Forecast for Areas D05, D15, D20. In French and English.
0430, 0900, 1700	**A**	12 hour forecast for Areas A00-A25. In French and English. Navigational warnings: For coastal waters of Djibout, Red Sea and NW Indian Ocean.

Commercial Station: Dominica Broadcasting Corp. (Radio Dominica) (DBS Radio) **Call Sign:**

Region: WMO REGION: IV

METAREA: IV

Position:

Area Covered:

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	**A**	595 kHz		Hillsborough	
FM	**B**	88.1 MHz			
FM	**C**	88.6 MHz			
FM	**D**	103.2 MHz			
FM	**E**	103.6 MHz			

Broadcast Times	Frequency ID	Contents of Broadcast
Mon-Sat: 0720, repeated at 1030 LT	**A-E**	Hurricane warnings (if any in force), forecast, synopsis, analysis, for the waters of Dominica. In English.
On receipt	**A-E**	Storm warnings broadcast only during the hurricane season, for the coastal waters of Dominica. In English.

A sub-station of the Grenada Station.

Maritime Radio Station: Santo Domingo Piloto **Call Sign:**

Region: WMO REGION: IV
Position: 18°28'N 69°53'W
Radio Address:

METAREA: IV
Area Covered:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 182 kHz			1100-0500
RT (MF)	**B**	2 638kHz			1100-0500
RT (MF)	**D**	2 738kHz			1100-0500
VHF	**E**	Ch 12			1100-0500

Broadcast Times	Frequency ID	Contents of Broadcast
On request	**A-D**	In Spanish and English.
0300, 1700 On request	**A-D**	Forecast for coastal waters of Dominican Republic.
On receipt On request	**A-D**	Storm warnings for coastal waters of Dominican Republic. In Spanish.

Navtex Station: Ayora **Call Sign:**

METAREA: XII

Area Covered:

Region: WMO REGION: III

Position: 00°45'S 90°19'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[L]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0150, 0550, 0950, 1350, 1750, 2150	[L]	In English.

Marine Rescue Co-ordination Centre: Guayaquil, Radio IOA (Instituto Oceanografico Armada) o Radio Naval **Call Sign: HCG**

24-hour watch

METAREA: XII

Area Covered: 2°N-4°S; 79°W-95°W

Region: WMO REGION: III

Position:

Radio Address: INOCAR-BASE NAVAL SUR- GUAYAQUIL

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	A	1 515 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
1200	A	Meteorological information in process. Text, SHIP, SYNOP.

Navtex Station: El Iskandariya (Alexandria)

Call Sign: SUH

24-hour watch

METAREA: III

Area Covered: The Eastern Mediterranean south of 34°N and east of 20°E. The Red Sea north of 23°N.

Region: WMO REGION: I

Position: 31°11'N 29°52'E

Radio Address: METEO Cairo

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[N]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
1010, 2210	[N]	Storm warnings and 12 hour forecasts for areas A, B, C and D. In English.
0210, 0610, 1010, 1410, 1810, 2210	[N]	In English.

Navtex Station: El Quseir (Kosseir)

Call Sign: SUK

Watch kept for less than 30 minutes (station with limited hours of operation)

METAREA: IX

Area Covered: Red Sea coast - The Eastern Mediterranean south of 34°N and east of 20°E. The Red Sea north of 23°N.

Region: WMO REGION: I

Position: 26°06'N 34°17'E

Radio Address: METEO Cairo

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[V]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0330, 0730, 1130, 1530, 1930, 2330	[V]	In English.
0330, 1530	[V]	Weather forecast for aras E and F. In English.

Navtex Station: Ismailia **Call Sign:**

METAREA: IX

Area Covered: The Eastern Mediterranean south of 34°N and east of 20°E. The Red Sea north of 23°N.

Region: WMO REGION: I

Position: 30°28'N 32°22'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[X]	4 209.5 kHz			
MSI	[X]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0750, 1150	[X]	Navigational warnings: For Bur Sait (Port Said), Gulf of Suez (N of Safaga) and Gulf of Aqaba including rig movements. In English.
0350, 0750, 1150, 1550, 1950, 2350	[X]	Navigational warnings: For Bur Sait (Port Said), Gulf of Suez (N of Safaga) and Gulf of Aqaba including rig movements. In English.

Maritime Radio Station: Tallinn

Call Sign: UAH, UNS

24-hour watch

Region: WMO REGION: VI
Position: 59°28'N 24°21'E
Radio Address:

METAREA: I
Area Covered: N.Sea/Gulf of Bothania/Finland
Baltic Sea Areas 5-10

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	450 kHz		59°28'N 24°21'E	(UNS)
RT (MF)	**B**	6 405 kHz		59°28'N 24°21'E	(UAH)

Broadcast Times	Frequency ID	Contents of Broadcast
2040	**A**	Summary and forecast of synoptic situation valid for 24 hours. Forecast of weather and sea waves valid for 24 hours. Summary and forecast of ice conditions for 24 hours. In Estonian repeated in English.
1030	**A, B**	Summary and forecast of synoptic situation valid for 24 hours. Forecast of weather and sea waves valid for 24 hours. Summary and forecast of ice conditions for 24 hours. Forecast of weather for the following 2 days. Weather forecast valid for 3 days for Norwegian and North Seas. In Estonian repeated in English

Navtex Station: Tallinn

Call Sign: UAH, UNS

Region: WMO REGION: VI
Position: 59°28'N 24°21'E
Radio Address:

METAREA: I
Area Covered: N.Sea/Gulf of Bothania/Finland
Baltic Sea Areas 5-10

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[U]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0320, 1520, 2320	[U]	Navigational warnings and weather warnings. In English.
1120	[U]	Navigational warnings, weather warnings and Ice reports. In English.
0720, 1920	[U]	Navigational warnings, weather warnings and weather forecast. In English.

NOTE:
(a) SMHI in Sweden coordinates the NAVTEX information for the Baltic sub-areas regarding ice reports, 24-hour weather forecasts and gale/storm/icing warnings.

(b) In certain cases summaries and forecasts of ice conditions and also sea waves may not be included in the broadcat or may be included irregularly.

Commercial Station: Communications Fiji **Call Sign:**

Region: WMO REGION: V

METAREA: XIV

Position:

Area Covered:

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
FM	**A**	107.2 MHz	Legend FM		
FM	**A**	106.8 MHz	Legend FM		
FM	**A**	106.4 MHz	Legend FM		
FM	**B**	105.8 MHz	Radio Sargam		
FM	**B**	105.6 MHz	Radio Sargam		
FM	**B**	104.6 MHz	Radio Sargam		
FM	**B**	104.2 MHz	Radio Sargam		
FM	**C**	103.8 MHz	Viti FM		
FM	**C**	102.8 MHz	Viti FM		
FM	**C**	99.6 MHz	Viti FM		

Broadcast Times	Frequency ID	Contents of Broadcast
Mon-Fri: Every H+00 (0600-1900) Sat-Sun: 0800, 0900, 1000, 1200, 1300, 1700, 1800 LT	**A**	Weather forecast including wind strength, sea swell and possible storm / cyclone warnings (if in force) for coastal waters of Fiji. In English.
On receipt Repeated as necessary	**A**	Cyclone and storm warnings including the possible development of cyclones, for the waters around Fiji. During a cyclone alert for Fiji continuous broadcasts from all stations until the alert passes. Normal broadcasts. In English.
Mon-Fri: Every H+00 (0600-1900) Sat-Sun: 0600, 0700, 0800, 1100, 1200, 1300, 1700, 1830 LT	**B**	Weather forecast including wind strength, sea swell and possible storm / cyclone warnings (if in force) for coastal waters of Fiji. In English.
On receipt Repeated as necessary	**B**	Cyclone and storm warnings including the possible development of cyclones, for the waters around Fiji. During a cyclone alert for Fiji continuous broadcasts from all stations until the alert passes.
Mon-Fri: Every H+00 (0600-1800) Sat-Sun: 0600, 0700, 0800, 1200, 1300, 1700 LT	**C**	Weather forecast including wind strength, sea swell and possible storm / cyclone warnings (if in force) for coastal waters of Fiji. In English.
On receipt Repeated as necessary	**C**	Cyclone and storm warnings including the possible development of cyclones, for the waters around Fiji. During a cyclone alert for Fiji continuous broadcasts from all stations until the alert passes. In Hindi.

Commercial Station: Fiji Broadcasting Corporation Ltd (FBCL) **Call Sign:**

Region: WMO REGION: V

METAREA: XIV

Position:

Area Covered:

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	A	639 kHz	Radio Fiji 1		
AM	A	684 kHz	Radio Fiji 1		
AM	A	927 kHz	Radio Fiji 1		
AM	A	1 152 kHz	Radio Fiji 1		
FM	A	92.2 MHz	Radio Fiji 1		
FM	A	107.4 MHz	Radio Fiji 1		
FM	A	107.6 MHz / 91.8 MHz	Radio Fiji 1		
AM	A	558 kHz	Radio Fiji 1		
FM	B	89.8 MHz	Radio Fiji 2		
AM	B	774 kHz	Radio Fiji 2		
AM	B	810 kHz	Radio Fiji 2		
AM	B	891 kHz	Radio Fiji 2		
AM	B	1 467 kHz	Radio Fiji 2		
FM	B	105 MHz	Radio Fiji 2		
FM	B	105.2 MHz	Radio Fiji 2		
FM	B	105.4 MHz	Radio Fiji 2		
AM	B	1 206 kHz	Radio Fiji 2		
FM	C	94.6 MHz	Radio Fiji Gold		
FM	C	100 MHz	Radio Fiji Gold		
FM	C	100.4 MHz	Radio Fiji Gold		
FM	C	100.6 MHz	Radio Fiji Gold		
FM	D	103 MHz	Bula FM		
FM	D	91.4 MHz	Bula FM		
FM	D	102 MHz	Bula FM		
FM	D	102.4 MHz	Bula FM		

Broadcast Times	Frequency ID	Contents of Broadcast
Mon-Fri: Every H+00 (0600-1800) Sat-Sun: 0700, 0800, 1230, 1600 LT	**A**	Weather forecast including wind strength, sea swell and possible storm / cyclone warnings (if in force) for coastal waters of Fiji.
On receipt Repeated as necessary	**A, D**	Cyclone and storm warnings including the possible development of cyclones, for the waters around Fiji - in Fijian. During a cyclone alert for Fiji continuous broadcasts from all stations until the alert passes - in English.
Mon-Fri: Every H+00 (0600-2000) Sat-Sun: 0700, 0800, 0900, 1000, 1200, 1300, 1500, 1700, 2000 LT	**B**	Weather forecast including wind strength, sea swell and possible storm / cyclone warnings (if in force) for coastal waters of Fiji. In Hindi.
On receipt Repeated as necessary	**B**	Cyclone and storm warnings including the possible development of cyclones, for the waters around Fiji. In Hindi During a cyclone alert for Fiji continuous broadcasts from all stations until the alert passes. In English
On receipt Repeated as necessary	**C**	Cyclone and storm warnings including the possible development of cyclones, for the waters around Fiji. In Hindi During a cyclone alert for Fiji continuous broadcasts from all stations until the alert passes. In English
Mon-Fri: Every H+00 (0600-1800) Sat-Sun: 0700, 1200, 1700 LT	**C-D**	Weather forecast including wind strength, sea swell and possible storm / cyclone warnings (if in force) for coastal waters of Fiji. In English.

Maritime Radio Station: Suva — Call Sign: 3DP

24-hour watch

Region: WMO REGION: V

METAREA: XIV

Position:

Area Covered: Sea areas from 5°N to 25°S between 160°E and 180° and from the Equator to 25°S between 180° and 120°W.

Radio Address: METEO Nandi

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	**A**	4 372 kHz	(406)		
RT (HF)	**B**	8 746 kHz	(810)		

Broadcast Times	Frequency ID	Contents of Broadcast
0803, 1203, 1603, 2003 LT	**A, B**	Forecast for coastal waters of Fiji.
On receipt At the end of the next silence period. Every H+03	**A, B**	Cyclone and storm warnings for coastal waters of Fiji.

Commercial Station: Radio Suomi **Call Sign:**

Region: WMO REGION: VI

METAREA: I

Position:

Area Covered:

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	**A**	558 kHz		Helsinki	
AM	**B**	963 kHz		Pori 61°36'N 21°27'E	
AM	**C**	6 120 kHz (1)		Pori	
FM	**D**	90.3-105.0 MHz			

Broadcast Times	Frequency ID	Contents of Broadcast
Mon-Fri: 0610, 0810, 1245, 1903, 2205 LT Sat: 0603, 0803, 1245, 1903, 2205 LT Sun: 0700, 0803, 1245, 1903, 2205 LT	**A-D**	Weather reports fro areas 1-5 and 7. In Swedish.
1245 LT	**A-D**	In Finnish. Navigational warnings: Ice reports.
Mon-Fri: 0550, 0750, 1245, 1850, 2150 LT Sat-Sun: 0750, 1245, 1850, 2150 LT	**A-D**	Storm warnings, weather summary, wind direction and strength and visibility fo Areas 1-5 and 7. In Finnish.

(1) Not Sunday.

Commercial Station: Radio Vega / Mix **Call Sign:**

Region: WMO REGION: VI

METAREA: I

Position:

Area Covered:

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	**A**	6 120 kHz (1)		Pori	
FM	**B**	93-1-103.0 MHz			

Broadcast Times	Frequency ID	Contents of Broadcast
1245 LT		In Swedish.
		Ice reports.
Mon-Fri: 0600, 0810, 1245, 1903, 2205 LT Sat: 0603, 0803, 1245, 1903, 2205 LT Sun: 0700, 0803, 1245, 1903, 2205 lT	**A, B**	Weather reports for Areas 1-5 and 7. In Swedish.
		Navigational warnings: Ice reports

(1) Not Sunday.

Marine Rescue Co-ordination Centre: Turku (MRCC) **Call Sign: OFK**

24-hour watch

METAREA: I

Area Covered:

Region: WMO REGION: VI

Position:

Radio Address: METEO Helsinki

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 810 kHz		Helsinki 60°09'N 25°02'E	
RT (MF)	**A**	1 677 kHz		Mariehamn 60°07'N 19°57'E	
RT (MF)	**A**	1 638 kHz		Vaasa 63°18'N 21°06'E	
RT (MF)	**A**	1 719 kHz		Hailuoto 65°02'N 24°35'E	
VHF	**B**	Ch 26		Kemi 65°47'N 24°33'E	
VHF	**B**	Ch 86		Brando 60°25'N 21°03'E	
VHF	**B**	Ch 27		Hailuoto 65°02'N 24°35'E	
VHF	**B**	Ch 03		Hanko 59°50'N 22°56'E	
VHF	**B**	Ch 84		Kalajoki 64°18'N 24°11'E	
VHF	**B**	Ch 68		Turku 60°09'N 21°42'E	
VHF	**B**	Ch 28		Kokkola 63°50'N 23°09'E	
VHF	**B**	Ch 23		Korppoo 60°10'N 21°33'E	
VHF	**B**	Ch 25		Kotka 60°29'N 26°52'E	
VHF	**B**	Ch 04		Porkkala 59°59'N 24°26'E	
VHF	**B**	Ch 01		Sondby (Porvoo) 60°16'N 25°51'E	
VHF	**B**	Ch 02 26		Turku 60°27'N 22°20'E	
VHF	**B**	Ch 05		Helsinki 60°09'N 25°02'E	

Broadcast Times	Frequency ID	Contents of Broadcast
1033, 1833	**A,B**	Navigational warnings: Ice reports and icebreaker positions. In English.
0803	**A,B**	Navigational warnings: Ice breakers positions. In English.
0233, 0633, 1033, 1433, 1833, 2233	**A,B**	In English, Swedish and Finnish. Navigational warnings: Coastal warnings in English. Local warnings in Swedish and Finnish.
0633, 1833	**A,B**	Forecast for Areas 1-5 and 7 including wave heights in the Northern Baltic. In English.
On receipt 0233, 0633, 1033, 1433, 1833, 2233	**A,B**	Gale warnings for Areas 1-5 and 7. In English.

Marine Rescue Co-ordination Centre: Corsen (CROSS) (MRCC) **Call Sign:**

24-hour watch

Region: WMO REGION: VI

Notes:
Coastal Waters Bulletins
"Coastal Waters" bulletins extends up to 20 n miles from the coast. The area covered extends along the coasts from Metropolitan France, Corsica included.
BMS are broadcast whenever the wind has risen to or is forecast to rise to Gale force 7 within coastal waters (BMS Coastal) instead of Gale force 8 in high seas and distant waters (BMS Offshore).
Regular bulletins and BMS are broadcast on VHF, in French. They consist of a repeat of any BMS warnings in force, a description of the general situation, a detailed foreast for the following 24 hours (actual situation, wind, sea state, visibility), further weather trends dependent on the forecast and where appropriate reports from signal stations.
Broadcasts transmitted on Channel 16 before being broadcast on the scheduled frequency.
BMS Coastal bulletins are systematically transmitted at every hour, starting at H+03 (simultaneous broadcasting is not possible).
Bulletin area Station Transmitter – VHF canal – times of broadcast

CHANNEL AND ATLANTIC COASTS:
Belgian border to la baie de la Somme:
CROSS Gris-Nez: Dunkerque VHF 79 - 7h20, 16h03, 19h20; Gris-Nez - VHF 79 – 7h10, 15h45, 19h10

From la Baie de Somme to La Hague:
CROSS Gris-Nez: Ailly - VHF 79 - 7h03, 15h33, 19h03
CROSS Jobourg: Antifer - VHF 80 - 8h03, 16h33, 20h03; Port-en-Bessin - VHF 80 - 7h45, 16h15, 19h45; Jobourg - VHF 80 - 7h33, 16h03, 19h33

From La Hague to Penmarc'h:
CROSS Jobourg(1): Jobourg - VHF 80 - 7h15, 15h45, 19h15; Granville - VHF 80 - 7h03, 15h33, 19h03
CROSS Corsen: Raz - VHF 79 - 4h45, 7h03, 11h03*, 15h33, 19h03; Stiff - VHF 79 - 5h03, 7h15, 11h15*, 15h45, 19h15; Batz - VHF 79 - 5h15, 7h33, 11h 33*, 16h03, 19h33; Bodic - VHF 79 - 5h33, 7h45, 11h45*, 16h15, 19h45; Fréhel - VHF 79 - 5h45, 8h03, 12h03*, 16h33, 20h03
* from 1 May to 30 September

From Penmarc'h to l'anse de l'Aiguillon:
CROSS Etel: Penmarc´h - VHF 80 - 7h03, 15h33, 19h03; Groix - VHF 80 - 7h15, 15h45, 19h15; Belle-Ile - VHF 80 - 7h33, 16h03, 19h33; Saint-Nazaire - VHF 80 - 7h45, 16h15, 19h45; Yeu - VHF 80 - 8h03, 16h33, 20h03; Les Sables d´Olonne - VHF 80 - 8h15, 16h45, 20h15

METAREA: II

Area Covered: West of Channel and Atlantic coastal areas:
(a) Casquets; (e) Rochebonne; (i) Sole; (m) Irish Sea; (b) Ouessant ; (f) Cantabrico; (j) Shannon; (n) Rockall; (c) Iroise; (g) Finisterre; (k) Fastnet; (o) Malin; (d) Yeu; (h) Pazenn; (l) Lundy; (p) Hebrides

Position: 48°24'N 04°47'W
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	1 650 kHz (1)			
RT (MF)	**B**	2 677 kHz (1)			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt. Every 2 hours thereafter until end of validity at every even H+03(2) LT	**A, B**	Special high winds bulletins (Bulletins Météorologique Spéciaux - BMS): Gales/Storm warnings for areas (a)-(p). In French.
0815, 2015 LT (2)	**A, B**	Repetition: Gale/storm warnings. General situation and development. Forecast by zones (a)-(p), valid for the following 24 hours. Further weather outlook. In French.

Notes:
CROSS = Centres Régionaux Operationnels de Surveillance et du Sauvetage

(1) After preliminary call on 2 182 kHz. The normal working frequency can be replaced, if necessary, by an alternative frequency indicated during the preliminary call on 2 182 kHz.
(2) Scheduled broadcasts may be suspended whilst SAR action is in progress.

Navtex Station: Corsen (CROSS) (MRCC) **Call Sign:**

Notes:
Coastal Waters Bulletins
"Coastal Waters" bulletins extends up to 20 n miles from the coast. The area covered extends along the coasts from Metropolitan France, Corsica included.
BMS are broadcast whenever the wind has risen to or is forecast to rise to Gale force 7 within coastal waters (BMS Coastal) instead of Gale force 8 in high seas and distant waters (BMS Offshore).
Regular bulletins and BMS are broadcast on VHF, in French. They consist of a repeat of any BMS warnings in force, a description of the general situation, a detailed foreast for the following 24 hours (actual situation, wind, sea state, visibility), further weather trends dependent on the forecast and where appropriate reports from signal stations.
Broadcasts transmitted on Channel 16 before being broadcast on the scheduled frequency.
BMS Coastal bulletins are systematically transmitted at every hour, starting at H+03 (simultaneous broadcasting is not possible).
Bulletin area Station Transmitter – VHF canal – times of broadcast

CHANNEL AND ATLANTIC COASTS:
Belgian border to la baie de la Somme:
CROSS Gris-Nez: Dunkerque VHF 79 - 7h20, 16h03, 19h20; Gris-Nez - VHF 79 – 7h10, 15h45, 19h10

From la Baie de Somme to La Hague:
CROSS Gris-Nez: Ailly - VHF 79 - 7h03, 15h33, 19h03
CROSS Jobourg: Antifer - VHF 80 - 8h03, 16h33, 20h03; Port-en-Bessin - VHF 80 - 7h45, 16h15, 19h45; Jobourg - VHF 80 - 7h33, 16h03, 19h33

From La Hague to Penmarc'h:
CROSS Jobourg(1): Jobourg - VHF 80 - 7h15, 15h45, 19h15; Granville - VHF 80 - 7h03, 15h33, 19h03
CROSS Corsen: Raz - VHF 79 - 4h45, 7h03, 11h03*, 15h33, 19h03; Stiff - VHF 79 - 5h03, 7h15, 11h15*, 15h45, 19h15; Batz - VHF 79 - 5h15, 7h33, 11h 33*, 16h03, 19h33; Bodic - VHF 79 - 5h33, 7h45, 11h45*, 16h15, 19h45; Fréhel - VHF 79 - 5h45, 8h03, 12h03*, 16h33, 20h03
* from 1 May to 30 September

From Penmarc'h to l'anse de l'Aiguillon:
CROSS Etel: Penmarc´h - VHF 80 - 7h03, 15h33, 19h03; Groix - VHF 80 - 7h15, 15h45, 19h15; Belle-Ile - VHF 80 - 7h33, 16h03, 19h33; Saint-Nazaire - VHF 80 - 7h45, 16h15, 19h45; Yeu - VHF 80 - 8h03, 16h33, 20h03; Les Sables d´Olonne - VHF 80 - 8h15, 16h45, 20h15

Region: WMO REGION: VI

METAREA: II

Area Covered: West of Channel and Atlantic coastal areas:
(a) Casquets; (e) Rochebonne; (i) Sole; (m) Irish Sea; (b) Ouessant ; (f) Cantabrico; (j) Shannon; (n) Rockall; (c) Iroise; (g) Finisterre; (k) Fastnet; (o) Malin; (d) Yeu; (h) Pazenn; (l) Lundy; (p) Hebrides

Position: 48°24'N 04°47'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[E]	490 kHz			
MSI	[A]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt when frequency is not in use & at the following watch hours (0040, 0440, 0840, 1240, 1640, 2040)	[E]	Special high winds bulletins (Bulletins Météorologique Spéciaux - BMS): Gales/Storm warnings for areas (a)- (p). In French.
0840, 2040	[E]	Repetition: Gale/storm warnings. General situation and development. Forecast by zones (a) to (m), valid for the following 24 hours. Further weather outlook. In French.
On receipt when frequency is not in use & at the following watch hours (00, 04, 08, 12, 16, 20 UTC) (2)	[A]	Special high winds bulletins (Bulletins Météorologique Spéciaux - BMS): Gales/Storm warnings for areas (c)- (h). In English.
0000, 1200	[A]	Repetition: Gale/storm warnings. General situation and development. Forecast by zones (c) to (h), valid for the following 24 hours. Further weather outlook. In English.

Notes:
CROSS = Centres Régionaux Operationnels de Surveillance et du Sauvetage

Marine Rescue Co-ordination Centre: Étel (CROSS) (MRCC) **Call Sign:**

24-hour watch

Region: WMO REGION: VI

METAREA: II

Position: 48°24'N 04°47'W

Area Covered: West of Channel and Atlantic coastal areas:
(a) Casquets; (e) Rochebonne; (i) Sole; (m) Irish Sea; (b) Ouessant ; (f) Cantabrico; (j) Shannon; (n) Rockall; (c) Iroise; (g) Finisterre; (k) Fastnet; (o) Malin; (d) Yeu; (h) Pazenn; (l) Lundy; (p) Hebrides

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 80		Penmarc'h 47°48'N 04°22'W	
VHF	**B**	Ch 80		Groix 47°39'N 03°30'W	
VHF	**C**	Ch 80		Belle Île 47°19'N 03°14'W	
VHF	**D**	Ch 80		Sainte-Nazaire 47°28'N 02°21'W	
VHF	**E**	Ch 80		Ile d'Yeu 46°43'N 02°23'W	
VHF	**F**	Ch 80		Ile d'Yeu 46°43'N 02°23'W	
VHF	**G**	Ch 79		Chassiron 46°03'N 01°25'W	
VHF	**H**	Ch 79		Soulac 45°32'N 01°06'W	
VHF	**I**	Ch 79		Cap Ferret 44°38'N 01°15'W	
VHF	**J**	Ch 79		Contis 43°48'N 01°18'W	
VHF	**K**	Ch 79		Biarritz 43°32'N 01°32'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0703, 1533, 1903 LT	**A**	Storm warnings (coastal BMS), situation, 24 hour forecast and outlook for a further 24 hours for the coastal area from Penmarc'h to l'Anse de l'Aigullon. In French.
On receipt Every H+03	**A-K**	Coastal BMS. In French.
0715, 1545, 1915 LT	**B**	Storm warnings (coastal BMS), situation, 24 hour forecast and outlook for a further 24 hours for the coastal area from Penmarc'h to l'Anse de l'Aigullon. In French.
0733, 1603, 1933 LT	**C**	Storm warnings (coastal BMS), situation, 24 hour forecast and outlook for a further 24 hours for the coastal area from Penmarc'h to l'Anse de l'Aigullon. In French.
0745, 1615, 1945 LT	**D**	Storm warnings (coastal BMS), situation, 24 hour forecast and outlook for a further 24 hours for the coastal area from Penmarc'h to l'Anse de l'Aigullon. In French.
0803, 1633, 2002 LT	**E**	Storm warnings (coastal BMS), situation, 24 hour forecast and outlook for a further 24 hours for the coastal area from Penmarc'h to l'Anse de l'Aigullon. In French.
0815, 1645, 2015 LT	**F**	Storm warnings (coastal BMS), situation, 24 hour forecast and outlook for a further 24 hours for the coastal area from Penmarc'h to l'Anse de l'Aigullon. In French.
0703, 1533, 1903 LT	**G**	Storm warnings (coastal BMS), situation, 24 hour forecast and outlook for a further 24 hours for the coastal area from Penmarc'h to l'Anse de l'Aigullon to the Spanish frontier. In French.
1903 LT	**G**	
0715, 1545, 1915 LT	**H**	Storm warnings (coastal BMS), situation, 24 hour forecast and outlook for a further 24 hours for the coastal area from Penmarc'h to l'Anse de l'Aigullon to the Spanish frontier. In French.
1915 LT	**H**	
1933 LT	**I**	
0733, 1603, 1933 LT	**I**	Storm warnings (coastal BMS), situation, 24 hour forecast and outlook for a further 24 hours for the coastal area from Penmarc'h to l'Anse de l'Aigullon to the Spanish frontier. In French.
0745, 1615, 1945 LT	**J**	Storm warnings (coastal BMS), situation, 24 hour forecast and outlook for a further 24 hours for the coastal area from Penmarc'h to l'Anse de l'Aigullon to the Spanish frontier. In French.
1945 LT	**J**	
2003 LT	**K**	
0803, 1633, 2003 LT	**K**	Storm warnings (coastal BMS), situation, 24 hour forecast and outlook for a further 24 hours for the coastal area from Penmarc'h to l'Anse de l'Aigullon to the Spanish frontier. In French.

NOTES:
CROSS = Centres Régionaux Operationnels de Surveillance et du Sauvetage

(1) After preliminary call on 2 182 kHz. The normal working frequency can be replaced, if necessary, by an alternative frequency indicated during the preliminary call on 2 182 kHz.
(2) Scheduled broadcasts may be suspended whilst SAR action is in progress.

Marine Rescue Co-ordination Centre: Gris Nez (CROSS) **Call Sign:**

24-hour watch

Region: WMO REGION: VI

Notes:
Coastal Waters Bulletins
"Coastal Waters" bulletins extends up to 20 n miles from the coast. The area covered extends along the coasts from Metropolitan France, Corsica included.
BMS are broadcast whenever the wind has risen to or is forecast to rise to Gale force 7 within coastal waters (BMS Coastal) instead of Gale force 8 in high seas and distant waters (BMS Offshore).
Regular bulletins and BMS are broadcast on VHF, in French. They consist of a repeat of any BMS warnings in force, a description of the general situation, a detailed foreast for the following 24 hours (actual situation, wind, sea state, visibility), further weather trends dependent on the forecast and where appropriate reports from signal stations.
Broadcasts transmitted on Channel 16 before being broadcast on the scheduled frequency.
BMS Coastal bulletins are systematically transmitted at every hour, starting at H+03 (simultaneous broadcasting is not possible).
Bulletin area Station Transmitter – VHF canal – times of broadcast

CHANNEL AND ATLANTIC COASTS:
Belgian border to la baie de la Somme:
CROSS Gris-Nez: Dunkerque VHF 79 - 7h20, 16h03, 19h20; Gris-Nez - VHF 79 – 7h10, 15h45, 19h10

From la Baie de Somme to La Hague:
CROSS Gris-Nez: Ailly - VHF 79 - 7h03, 15h33, 19h03
CROSS Jobourg: Antifer - VHF 80 - 8h03, 16h33, 20h03; Port-en-Bessin - VHF 80 - 7h45, 16h15, 19h45; Jobourg - VHF 80 - 7h33, 16h03, 19h33

From La Hague to Penmarc'h:
CROSS Jobourg(1): Jobourg - VHF 80 - 7h15, 15h45, 19h15; Granville - VHF 80 - 7h03, 15h33, 19h03
CROSS Corsen: Raz - VHF 79 - 4h45, 7h03, 11h03*, 15h33, 19h03; Stiff - VHF 79 - 5h03, 7h15, 11h15*, 15h45, 19h15; Batz - VHF 79 - 5h15, 7h33, 11h 33*, 16h03, 19h33; Bodic - VHF 79 - 5h33, 7h45, 11h45*, 16h15, 19h45; Fréhel - VHF 79 - 5h45, 8h03, 12h03*, 16h33, 20h03
* from 1 May to 30 September

From Penmarc'h to l'anse de l'Aiguillon:
CROSS Etel: Penmarc´h - VHF 80 - 7h03, 15h33, 19h03; Groix - VHF 80 - 7h15, 15h45, 19h15; Belle-Ile - VHF 80 - 7h33, 16h03, 19h33; Saint-Nazaire - VHF 80 - 7h45, 16h15, 19h45; Yeu - VHF 80 - 8h03, 16h33, 20h03; Les Sables d´Olonne - VHF 80 - 8h15, 16h45, 20h15

From l'anse de l'Aiguillon to the Spanish border :
CROSS Etel: Chassiron - VHF 79 - 7h03, 15h33, 19h03; Soulac - VHF 79 - 7h15, 15h45, 19h15; Cap-Ferret - VHF 79 - 7h33, 16h03, 19h33; Contis - VHF 79 - 7h45, 16h15, 19h45; Biarritz - VHF 79 - 8h03, 16h33, 20h03

MEDITERRANEAN COAST:
From Languedoc-Roussillon (from the Spanish border to Port-Camargue):
CROSS La Garde: Néoulos - VHF 79 - 7h03,12h33, 19h03; Adge - VHF 79 - 7h15, 12h45, 19h15

Provence (from Port Camargue to Saint-Raphaël):
CROSS La Garde: Planier - VHF 80 - 7h33, 13h03, 19h33; Mont Coudon - VHF 80 - 7h45, 13h15, 19h45

Côte d'Azur (from Saint-Raphaël to Menton):
CROSS La Garde: Pic de l´Ours - VHF 80 - 8h03, 13h33, 20h03

Coast of Corsica
CROSS La Garde: Ersa - VHF 79 - 7h33, 12h33, 19h33; Serra di Pigno - VHF 79 - 7h45, 12h45, 19h45; Conca - VHF 79 - 8h03, 13h03, 20h03; Serragia - VHF 79 - 8h15, 13h15, 20h15; Punta - VHF 79 - 8h33, 13h33, 20h33; Piana - VHF 79 - 8h45, 13h45, 20h45

(1) CROSS Jobourg/Jobourg Trafic broadcast on VHF 80 on receipt, thereafter every 30 minutes at H+20 and H+50, for BMS-Offshore: ANTIFER, CASQUETS, OUESSANT

METAREA: I

Position: 50°52'N 01°35'E

Area Covered: South of the North Sea and and east of the Channel:
(a) Humber; (c) Pas de Calais; (e) Casquets; (b) Tamise; (d) Antifer; (f) Ouessant

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 677 kHz(1)			
RT (MF)	**A**	1 650 kHz(1)			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt. Every 2 hours thereafter until end of validity at every even H+03(2) LT	**A**	Special Marine Weather Bulletin (BMS): Gale/storm warnings for areas (a)-(d) (3).
0833, 2033 LT (2)	**A**	Repetition: Gale/storm warnings. General situation and development. Forecast by zones (a) to (f), valid for the following 24 hours. Further weather outlook. In French.

Notes:
CROSS = Centres Régionaux Operationnels de Surveillance et du Sauvetage

(1) After preliminary call on 2 182 kHz. The normal working frequency can be replaced, if necessary, by an alternative frequency indicated during the preliminary call on 2 182 kHz.
(2) Scheduled broadcasts may be suspended whilst SAR action is in progress.
(3) Warnings for areas (e) and (f) are broadcast by CROSS CORSEN.

Marine Rescue Co-ordination Centre: Jobourg (CROSS) (MRCC) **Call Sign:**

24-hour watch

Region: WMO REGION: VI
Position: 48°24'N 4°47'W
Radio Address:

METAREA: I

Area Covered: West of Channel and Atlantic coastal areas:
(a) Casquets; (e) Rochebonne; (i) Sole; (m) Irish Sea; (b) Ouessant ; (f) Cantabrico; (j) Shannon; (n) Rockall; (c) Iroise; (g) Finisterre; (k) Fastnet; (o) Malin; (d) Yeu; (h) Pazenn; (l) Lundy; (p) Hebrides

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	1 650 kHz			
VHF	**B**	Ch 80		Antifer 49°41'N 00°10'E	
VHF	**C**	Ch 80		Granville 48°50'N 01°37'W	
VHF	**D**	Ch 80		Jobourg 49°41'N 01°54'W	
VHF	**E**	Ch 80		port-en-Bessin 49°21'N 00°45'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0915, 2115 LT	**A**	In French and English.
0803, 1633, 2003 LT	**B**	Storm warnings (coastal BMS), 24 hour forecast, outlook and reports from Signal Stations for coast between Baie de Somme and Cap de la Hague extending out 20 n miles from the coast. In French.
Every H+20, H+50 On request	**B-E**	In French and English.
On receipt Every H+20, H+50	**B-E**	BMS for areas 13 and 14. In English.
On receipt Every H+03	**B-E**	Coastal BMS. In French.
0703, 1533, 1903 LT	**C**	Storm warnings (coastal BMS), 24 hour forecast, outlook and reports from Signal Stations for coast between Cap de la Hague and Pointe de Penmarc'h extending out 20 n miles from the coast. In French.
0733, 1603, 1933 LT	**D**	Storm warnings (coastal BMS), 24 hour forecast, outlook and reports from Signal Stations for coast between Baie de Somme and Cap de la Hague extending out 20 n miles from the coast. In French.
0715, 1545, 1915 LT	**D**	Storm warnings (coastal BMS), 24 hour forecast, outlook and reports from Signal Stations for coast between Cap de la Hague and Pointe de Penmarc'h extending out 20 n miles from the coast. In French.
0745, 1615, 1945 LT	**E**	Storm warnings (coastal BMS), 24 hour forecast, outlook and reports from Signal Stations for coast between Baie de Somme and Cap de la Hague extending out 20 n miles from the coast. In French.

NOTES:
CROSS = Centres Régionaux Operationnels de Surveillance et du Sauvetage

(1) After preliminary call on 2 182 kHz. The normal working frequency can be replaced, if necessary, by an alternative frequency indicated during the preliminary call on 2 182 kHz.
(2) Scheduled broadcasts may be suspended whilst SAR action is in progress.

Marine Rescue Co-ordination Centre: La Garde (CROSS) (MRCC) **Call Sign:**

Region: WMO REGION: VI

Notes:
BULLETINS FOR COASTAL AREAS:
"Coastal Waters" bulletins extends up to 20 n miles from the coast. The area covered extends along the coasts from Metropolitan France, Corsica included.
BMS are broadcast whenever the wind has risen to or is forecast to rise to Gale force 7 within coastal waters (BMS Coastal) instead of Gale force 8 in high seas and distant waters (BMS Offshore).
Regular bulletins and BMS are broadcast on VHF, in French. They consist of a repeat of any BMS warnings in force, a description of the general situation, a detailed foreast for the following 24 hours (actual situation, wind, sea state, visibility), further weather trends dependent on the forecast and where appropriate reports from signal stations.
Broadcasts transmitted on Channel 16 before being broadcast on the scheduled frequency.
BMS Coastal bulletins are systematically transmitted at every hour, starting at H+03 (simultaneous broadcasting is not possible).
Bulletin area Station Transmitter – VHF canal – times of broadcast

CHANNEL AND ATLANTIC COASTS:
Belgian border to la baie de la Somme:
CROSS Gris-Nez: Dunkerque VHF 79 - 7h20, 16h03, 19h20; Gris-Nez - VHF 79 – 7h10, 15h45, 19h10

From la Baie de Somme to La Hague:
CROSS Gris-Nez: Ailly - VHF 79 - 7h03, 15h33, 19h03
CROSS Jobourg: Antifer - VHF 80 - 8h03, 16h33, 20h03; Port-en-Bessin - VHF 80 - 7h45, 16h15, 19h45; Jobourg - VHF 80 - 7h33, 16h03, 19h33

From La Hague to Penmarc'h:
CROSS Jobourg(1): Jobourg - VHF 80 - 7h15, 15h45, 19h15; Granville - VHF 80 - 7h03, 15h33, 19h03
CROSS Corsen: Raz - VHF 79 - 4h45, 7h03, 11h03*, 15h33, 19h03; Stiff - VHF 79 - 5h03, 7h15, 11h15*, 15h45, 19h15; Batz - VHF 79 - 5h15, 7h33, 11h 33*, 16h03, 19h33; Bodic - VHF 79 - 5h33, 7h45, 11h45*, 16h15, 19h45; Fréhel - VHF 79 - 5h45, 8h03, 12h03*, 16h33, 20h03
* from 1 May to 30 September

From Penmarc'h to l'anse de l'Aiguillon:
CROSS Etel: Penmarc´h - VHF 80 - 7h03, 15h33, 19h03; Groix - VHF 80 - 7h15, 15h45, 19h15; Belle-Ile - VHF 80 - 7h33, 16h03, 19h33; Saint-Nazaire - VHF 80 - 7h45, 16h15, 19h45; Yeu - VHF 80 - 8h03, 16h33, 20h03; Les Sables d´Olonne - VHF 80 - 8h15, 16h45, 20h15

From l'anse de l'Aiguillon to the Spanish border :
CROSS Etel: Chassiron - VHF 79 - 7h03, 15h33, 19h03; Soulac - VHF 79 - 7h15, 15h45, 19h15; Cap-Ferret - VHF 79 - 7h33, 16h03, 19h33; Contis - VHF 79 - 7h45, 16h15, 19h45; Biarritz - VHF 79 - 8h03, 16h33, 20h03

MEDITERRANEAN COAST:
From Languedoc-Roussillon (from the Spanish border to Port-Camargue):
CROSS La Garde: Néoulos/Port Vendres - VHF 79 - 7h03,15h18, 19h03; Adge - VHF 79 - 7h15, 15h30, 19h15

Provence (from Port Camargue to Saint-Raphaël):
CROSS La Garde: Planier - VHF 80 - 7h33, 15h48, 19h33; Coudon/Toulon VHF 80: 7h45, 16h00, 19h45

Côte d'Azur (from Saint-Raphaël to Menton):
CROSS La Garde: Pic de l´Ours/Cannes - VHF 80 - 8h03, 16h18, 20h03

Coast of Corsica
CROSS La Garde: Ersa/Cap Corse - VHF 79 - 7h33, 15h18, 19h33; Serra di Pigno/Bastia - VHF 79 - 7h45, 15h30, 19h45; Conca/Porto Vecchio - VHF 79 - 8h03, 15h48, 20h03; Serragia/Pointe Roccapina - VHF 79 - 8h15, 16h00, 20h15; Punta/Ajaccio - VHF 79 - 8h33, 16h18, 20h33; Piana/Golfe de Porto - VHF 79 - 8h45, 16h30, 20h45

(1) CROSS Jobourg/Jobourg Trafic broadcast on VHF 80 on receipt, thereafter every 30 minutes at H+20 and H+50, for BMS-Offshore: ANTIFER, CASQUETS, OUESSANT

METAREA: III

Position: 43°06'N 05°59'E

Area Covered: Northern part of the Western Mediterranean Sea:
(a) Est Cabrera; (c) Minorque; (e) Provence; (g) Corse; (i) Maddalena; (b) Baléares; (d) Lion; (f) Ligure; (h) Sardaigne; (j) Elbe

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 677 kHz(1)		La Garde 43°06'N 05°59'E	
RT (MF)	**A**	1 696 kHz(1)		La Garde 43°06'N 05°59'E	

Broadcast Times	Frequency ID	Contents of Broadcast
1000, 1600, 2200 (2)	**A**	Repetition: Gale/storm warnings. General situation and development. Forecast by zones (a) to (j), valid for the following 24 hours. Further weather outlook. In French.
On receipt. Every 4 hrs thereafter until end of validity at (1, 5, 9, 13, 17, 21 LT) H+03(2)	**A**	Special high winds bulletins (Bulletins Météorologique Spéciaux - BMS): Gales/Storm warnings for areas (a)- (j). In French and English.

NOTES:
CROSS = Centres Régionaux Operationnels de Surveillance et du Sauvetage

(1) After preliminary call on 2 182 kHz. The normal working frequency can be replaced, if necessary, by an alternative frequency indicated during the preliminary call on 2 182 kHz.
(2) Scheduled broadcasts bay be suspended whilst SAR action is in progress.

Navtex Station: La Garde (CROSS) (MRCC) **Call Sign:**

Region: WMO REGION: VI

Notes:
BULLETINS FOR COASTAL AREAS:
"Coastal Waters" bulletins extends up to 20 n miles from the coast. The area covered extends along the coasts from Metropolitan France, Corsica included.
BMS are broadcast whenever the wind has risen to or is forecast to rise to Gale force 7 within coastal waters (BMS Coastal) instead of Gale force 8 in high seas and distant waters (BMS Offshore).
Regular bulletins and BMS are broadcast on VHF, in French. They consist of a repeat of any BMS warnings in force, a description of the general situation, a detailed foreast for the following 24 hours (actual situation, wind, sea state, visibility), further weather trends dependent on the forecast and where appropriate reports from signal stations.
Broadcasts transmitted on Channel 16 before being broadcast on the scheduled frequency.
BMS Coastal bulletins are systematically transmitted at every hour, starting at H+03 (simultaneous broadcasting is not possible).
Bulletin area Station Transmitter – VHF canal – times of broadcast

CHANNEL AND ATLANTIC COASTS:
Belgian border to la baie de la Somme:
CROSS Gris-Nez: Dunkerque VHF 79 - 7h20, 16h03, 19h20; Gris-Nez - VHF 79 – 7h10, 15h45, 19h10

From la Baie de Somme to La Hague:
CROSS Gris-Nez: Ailly - VHF 79 - 7h03, 15h33, 19h03
CROSS Jobourg: Antifer - VHF 80 - 8h03, 16h33, 20h03; Port-en-Bessin - VHF 80 - 7h45, 16h15, 19h45; Jobourg - VHF 80 - 7h33, 16h03, 19h33

From La Hague to Penmarc'h:
CROSS Jobourg(1): Jobourg - VHF 80 - 7h15, 15h45, 19h15; Granville - VHF 80 - 7h03, 15h33, 19h03
CROSS Corsen: Raz - VHF 79 - 4h45, 7h03, 11h03*, 15h33, 19h03; Stiff - VHF 79 - 5h03, 7h15, 11h15*, 15h45, 19h15; Batz - VHF 79 - 5h15, 7h33, 11h 33*, 16h03, 19h33; Bodic - VHF 79 - 5h33, 7h45, 11h45*, 16h15, 19h45; Fréhel - VHF 79 - 5h45, 8h03, 12h03*, 16h33, 20h03
* from 1 May to 30 September

From Penmarc'h to l'anse de l'Aiguillon:
CROSS Etel: Penmarc´h - VHF 80 - 7h03, 15h33, 19h03; Groix - VHF 80 - 7h15, 15h45, 19h15; Belle-Ile - VHF 80 - 7h33, 16h03, 19h33; Saint-Nazaire - VHF 80 - 7h45, 16h15, 19h45; Yeu - VHF 80 - 8h03, 16h33, 20h03; Les Sables d´Olonne - VHF 80 - 8h15, 16h45, 20h15

From l'anse de l'Aiguillon to the Spanish border :
CROSS Etel: Chassiron - VHF 79 - 7h03, 15h33, 19h03; Soulac - VHF 79 - 7h15, 15h45, 19h15; Cap-Ferret - VHF 79 - 7h33, 16h03, 19h33; Contis - VHF 79 - 7h45, 16h15, 19h45; Biarritz - VHF 79 - 8h03, 16h33, 20h03

MEDITERRANEAN COAST:
From Languedoc-Roussillon (from the Spanish border to Port-Camargue):
CROSS La Garde: Néoulos/Port Vendres - VHF 79 - 7h03,15h18, 19h03; Adge - VHF 79 - 7h15, 15h30, 19h15

Provence (from Port Camargue to Saint-Raphaël):
CROSS La Garde: Planier - VHF 80 - 7h33, 15h48, 19h33; Coudon/Toulon VHF 80: 7h45, 16h00, 19h45

Côte d'Azur (from Saint-Raphaël to Menton):
CROSS La Garde: Pic de l´Ours/Cannes - VHF 80 - 8h03, 16h18, 20h03

Coast of Corsica
CROSS La Garde: Ersa/Cap Corse - VHF 79 - 7h33, 15h18, 19h33; Serra di Pigno/Bastia - VHF 79 - 7h45, 15h30, 19h45; Conca/Porto Vecchio - VHF 79 - 8h03, 15h48, 20h03; Serragia/Pointe Roccapina - VHF 79 - 8h15, 16h00, 20h15; Punta/Ajaccio - VHF 79 - 8h33, 16h18, 20h33; Piana/Golfe de Porto - VHF 79 - 8h45, 16h30, 20h45

(1) CROSS Jobourg/Jobourg Trafic broadcast on VHF 80 on receipt, thereafter every 30 minutes at H+20 and H+50, for BMS-Offshore: ANTIFER, CASQUETS, OUESSANT

FRANCE

Call Sign Series: TVA-TXZ, TOA-TQZ, TMA-TMZ, TKA-TKZ, THA-THZ

METAREA: III

Position: 43°06'N 05°59'E

Area Covered: Northern part of the Western Mediterranean Sea:
(a) Est Cabrera; (c) Minorque; (e) Provence; (g) Corse; (i) Maddalena; (b) Baléares; (d) Lion; (f) Ligure; (h) Sardaigne; (j) Elbe

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[S]	490 kHz			
MSI	[W]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt when frequency is not in use & at the following watch hours (03, 07, 11, 15, 19, 23 UTC)	[S]	Special high winds bulletins (Bulletins Météorologique Spéciaux - BMS): Gales/Storm warnings for areas (a)- (j). In French.
1100, 2300	[S]	Repetition: Gale/storm warnings. General situation and development. Forecast by zones (a) to (j), valid for the following 24 hours. Further weather outlook. In French.
On receipt when frequency is not in use & at the following watch hours (0340, 0740, 1140, 1540, 1940, 2340)	[W]	Special high winds bulletins (Bulletins Météorologique Spéciaux - BMS): Gales/Storm warnings for areas (a)- (j). In English.
1140, 2340	[W]	Repetition: Gale/storm warnings. General situation and development. Forecast by zones (a) to (j), valid for the following 24 hours. Further weather outlook. In English.

Note:
CROSS = Centres Régionaux Operationnels de Surveillance et du Sauvetage

Commercial Station: Radio France / France Inter & France Bleue **Call Sign:**

Region: WMO REGION: VI

METAREA: II

Position:

Area Covered: High sea areas, presented as follows:
Viking; Dogger; Antifer; Cantabrico; Lundi; Baléares; Sardaigne; Utsire; Fisher; Casquets; Finisterre; Irish Sea; Minorque;Maddalena; Forties; German;Ouessant; Pazenn; Rockall; Lion; Elbe; Cromarty; Humber; Iroise;Sole; Malin; Provence; Forth; Tamise; Yeu; Shannon; Hebrides; Ligure; Tyne; Pas de Calais; Rochebonne; Fastnet; Est Cabrera; Corse

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
LW	**A**	162 kHz		France Inter	
AM	**B**	1 557 kHz		Nice	
AM	**B**	1 494 kHz		Bayonne	
AM	**B**	1 404 kHz		Brest	
AM	**B**	1 377 kHz		Lille	
AM	**B**	1 242 kHz		Marseille	
AM	**B**	1 206 kHz		Bordeaux	
AM	**B**	945 kHz		Toulouse	
AM	**B**	792 kHz		Limoges	
AM	**B**	711 kHz		Rennes	

Broadcast Times	Frequency ID	Contents of Broadcast
2003 LT	**A**	Near gale warnings, gale/storm warnings. General situation and development. Forecast by areas valid for the following 24 hours. In French.
0640	**B**	Near gale warnings, gale/storm warnings. General situation and development. Forecast by areas valid for the following 24 hours. In French.

* (1 852 GO)

Commercial Station: Radio-France-Internationale **Call Sign:**

Region: WMO REGION: VI
METAREA: II
Position:
Area Covered: High sea areas (see map)
Radio Address:

Mode Of Transmission	ID	Frequency	Area/International Ch No.	Remote Transmittng Site - Position	Hours of Operation
	A	6 175 kHz (1)			
	B	15 300 kHz (2)			
	C	15 515 kHz (2)			
	D	17 575 kHz (2)			
	E	21 645 kHz (2)			

Broadcast Times	Frequency ID	Contents of Broadcast
1130	**A-E**	Gale/storm/hurricane warnings. General situation and development. Forecasts valid for the following 24 hours. In French.

(1) Frequency for Europe
(2) Other frequencies are used in the Atlantic. Schedules with technical specifications indicating changes in frequencies, will be transmitted at H-07.

Maritime Radio Station: Mahina (Tahiti) **Call Sign: FJA**

24-hour watch

Region: WMO REGION: V
Position: 17°30'S 149°29'W
Radio Address: METEO Faaa

METAREA: XIV
Area Covered: Between 8°S and 28°S and from 134°W to 155°W

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 620 kHz			
RT (HF)	**B**	8 803 kHz			
VHF	**C**	Ch. 27	Île du vent		
VHF	**C**	Ch. 26	Île sous le vent		

Broadcast Times	Frequency ID	Contents of Broadcast
2200 LT	**A,C**	Gale/storm warnings. Forecasts valid 24 hours (1). In French.
0700 LT	**A,C**	The summary of islands' observations contains, in clear (see list of stations): "name of stations, cloud amound and present weather, wind direction and speed state of sea near the coasts". In French.
2100 LT	**B,C**	Gale/storm warnings. Forecasts valid 24 hours (1). In French.
0640 LT	**B,C**	The summary of islands' observations contains, in clear (see list of stations): "name of stations, cloud amound and present weather, wind direction and speed state of sea near the coasts". In French.

List of Stations:
91925 Atuona; 91930 Bora-Bora; 91938 Tahiti-Faaa; 91943 Takaroa; 91944 Hao; 91945 Hereheretue; 91946 Tureia; 91948 Rikitea; 91952 Mururoa; 91954 Tubuai; 91958 Rapa

(1) A gale/storm warning will precede or replace the forecasts when the forecast mean wind exceeds 25 knots. This warning will mention:
- the indication on the type of disturbance;
- the date and the time UTC;
- the type of distrubance, its position and movement;
- the area affected;
- the direction and force of wind in various sections of the area affected;
- further indications, if any

This warning is also broadcast, both on VHF and HF, at 0403, 1803 and 1833 UTC.

Commercial Station: Radio-France Outre-Mer (RFO), Tahiti

Call Sign:

Region: WMO REGION: V

METAREA: XIV

Position:

Area Covered: Triangle TAHITI / MAUPITI / MANIHI

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
FM	**A**	89 MHz			
FM	**B**	91.8 MHz			
AM	**C**	738 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
Monday-Friday: 0555, 0655, 0757, 1030, 1755 Weekend: 0555, 0745, 1825	**A-C**	Gale/storm warnings - forecasts valid 24 hours. In French and Polynesian.

Marine Rescue Co-ordination Centre: Bremen Radio (MRCC) **Call Sign:**

24-hour watch

Region: WMO REGION: VI

METAREA: I

Position: 53°05'N 08°48'E

Area Covered: North sea coast & Baltic coast

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 16		Sylt 54°55'N 08°18'E	
VHF	**A**	Ch 16		Eiderstedt 54°20'N 08°47'E	
VHF	**A**	Ch 16		Hamburg 53°33'N 09°58'E	
VHF	**A**	Ch 16		Helgoland 54°11'N 07°53'E	
VHF	**A**	Ch 16		Bremen 53°05'N 08°48'E	
VHF	**A**	Ch 16		Cuxhaen 53°50'N 08°39'E	
VHF	**A**	Ch 16		Norddeich 53°34'N 07°06'E	
VHF	**B**	Ch 16		Rugen 54°21'N 13°45'E	
VHF	**B**	Ch 16		Arkona 54°35'N 13°37'E	
VHF	**B**	Ch 16		Darss 54°24'N 12°27'E	
VHF	**B**	Ch 16		Rostock 54°10'N 12°06'E	
VHF	**B**	Ch 16		Lubeck 54°13'N 10°43'E	
VHF	**B**	Ch 16		Kiel 54°18'N 10°07'E	
VHF	**B**	Ch 16		Flensburg 54°44'N 09°30'E	

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt Repeated every H+00 & H+30 until cancelled	**A, B**	Vital warnings for the Baltic and North Sea coasts of Germany.

Maritime Radio Station: Offenbach (Main)-Hamburg/Pinneberg **Call Sign: DDH/DDK**

Region: WMO REGION: VI

METAREA: I

Position:

Area Covered:

Radio Address:

Mode Of Transmission	ID	Frequency	Area/International Ch No.	Remote Transmittng Site - Position	Hours of Operation
Radio-Telex	**A**	14 467.3 kHz (DDH8)			Programme 2
Radio-Telex	**A**	11 039.0 kHz (DDH9)			Programme 2
Radio-Telex	**A**	147.3 kHz (DDH47)			Programme 2

Broadcast Times	Frequency ID	Contents of Broadcast
1230(06)	A	Repetition weather report Norwegian and Baltic Sea: see also 0630
1020(00)	A	Notices
1025(09)	A	Station reports North Sea and Baltic Sea: (in German)
1030(09)	A	Station reports Mediterranean Sea: (in German)
1035(06)	A	Medium range weather report Baltic Sea: Weather situation, time series forecast for 5 days (in German)
1100(06)	A	Medium range weather report North Sea: Weather situation, time series forecast for 5 days (in German)
1120(06)	A	Medium range weather report Mediterranean Sea: Weather situation, time series forecast for 5 days (in German)
1145	A	Special transmissions for research vessels: (only if required)
1200(12)	A	Warnings for the sea areas: see also 0000
0430(03)	A	Station reports Mediterranean Sea: (in German). Navigational warnings:
1220(11)	A	Weather report for German coast: see also 0020
0930(06)	A	Weather report Eastern Mediterranean Sea: Route Eastern Tunis - Rhodes/Cyprus. Weather situation, time series forecast for 2 days (in German)
1300(06)	A	Repetition weather report North Atlantic: see also 0700
1325(12)	A	Station reports North Sea and Baltic Sea: (in German)
1330(12)	A	Station reports Mediterranean Sea: (in German)
1335(12)	A	SHIP (FM 13 XI): see also 0735
1420(06)	A	Repetition weather report Western European Sea: see also 0820
1440(06)	A	Repetition weather report Western Mediterranean Sea: see also 0840
1500(15)	A	Warnings for the sea areas: see also 0000
1505(14)	A	Weather report North Sea and Baltic Sea: see also 0005
1205(11)	A	Weather report North Sea and Baltic Sea: see also 0005
0700(06)	A	Weather report North Atlantic: Route Pentlands - Southwest Greenland. Weather situation, time series forecast for 2 days (in German)

0435(00)	A	Weather report Western European Sea: Route Southern Ireland - Area Canarias. Weather situation, time series forecast for 2 days (in German)
0500(03)	A	Strong wind, gale and storm warnings: for German Bight, Western and Southern Baltic Sea, German North Sea and Baltic Sea coast
0505(05)	A	Weather report North Sea and Baltic Sea: Weather situation, forecast valid for 12 hours and outlook valid for another 12 hours (in German)
0520(05)	A	Weather report for German coast: Weather situation, forecast valid for 12 hours for German North Sea and Baltic Sea coast (in German)
0530(03)	A	Station reports North Sea and Baltic Sea: (in German)
0535(00)	A	Medium range weather report Mediterranean Sea. Weather situation, time series forecast for 5 days (in German)
0600(06)	A	Warnings for the sea areas, see also 0000
0605(06)	A	Weather report North Sea and Baltic Sea: see also 0005
1010(00, 08)	A	Advice to the use of weather data: Notices
0630(06)	A	Weather report Norwegian and Baltic Sea: Route North Cape - Shetlands, The Quark - Gulf of Finland. Weather situation, time series forecast for 2 days (in German)
0950(09)	A	Navigational warnings: For North Sea, Baltic Sea and German coast
0725	A	Station reports North Sea and Baltic Sea: (in German)
0730	A	Station reports Mediterranean Sea: (in German)
0735(06)	A	SHIP (FM 13 XI): Ship reports from North Sea, Baltic Sea, North Polar Sea, Atlantic, Mediterranean Sea
0820(06)	A	Weather report Western European Sea: Route Southern Ireland - Area Canarias. Weather situation, time series forecast for 2 days (in German)
0840(06)	A	Weather report Western Mediterranean Sea: Route Alboran - Tunis. Weather situation, time series forecast for 2 days (in German)
0900(09)	A	Warnings for the sea areas: see also 0000
0905(08)	A	Weather report North Sea and Baltic Sea: see also 0005
0920(08)	A	Weather report for German coast: see also 0020
1545(06)	A	Repetition medium range weather report Baltic Sea: see also 1035
0620(06)	A	Weather report for German coast: see also 0020
0125(00)	A	Station reports North Sea and Baltic Sea: (in German).

1520(14)	**A**	Weather report for German coast: see also 0020
2305	**A**	Medium range weather report Mediterranean Sea: Weather situation, time series forecast for 5 days (in German)
As available	**A**	Warnings for North Sea and Baltic Sea: (in English)
As available	**A**	Warnings for Baltic Sea: (in English)
1610(15)	**A**	Weather report Mediterranean Sea: Weather situation, forecast valid for 24 hours (in German)
0000(00)	**A**	Strong wind, gale and storm warnings: For German Bight, Western and Southern Baltic Sea, German North Sea and Baltic Sea coast.
0005(00)	**A**	
0020(00)	**A**	Weather report for German coast: Weather situation, forecast valid for 12 hours for German North Sea and Baltic Sea coast (in German).
2230	**A**	Station reports Mediterranean Sea: (in German)
0055(00)	**A**	Medium range weather report North Sea: Weather situation, time series forecast for 5 days (in German)
2225	**A**	Station reports North Sea and Baltic Sea: (in German)
0130(00)	**A**	Station reports Mediterranean Sea: (in German).
0135(00)	**A**	Medium range weather report Mediterranean Sea: Weather situation, time series forecast for 5 days (in German).
0235(00)	**A**	Advice on the use of weather data: Notices.
0235(00)	**A**	Advice on the use of weather data: Notices.
0300(03)	**A**	Strong wind, gale and storm warnings: For German Bight, Western and Southern Baltic Sea, German North Sea and Baltic Sea coast
0305(03)	**A**	Weather report North Sea and Baltic Sea: Weather situation, forecast valid for 12 hours and outlook valid for anot¬her 12 hours (in German)
0320(03)	**A**	Weather report for German coast: Weather situation, forecast valid for 12 hours for German North Sea and Baltic Sea coast (in German).
0325(00)	**A**	Weather report Norwegian and Baltic Sea: Route North Cape - Shetlands, The Quark - Gulf of Finland. Weather situation, time series forecast for 2 days (in German).
0350(00)	**A**	Weather report North Atlantic: Route Pentlands - Southwest Greenland. Weather situation, time series forecast for 2 days (in German)
0030(00)	**A**	Medium range weather report Baltic Sea Weather situation, time series forecast for 5 days (in German)

1925(18)	**A**	Station reports North Sea and Baltic Sea: (in German)
0425(03), 1625(15)	**A**	Station reports North Sea and Baltic Sea: (in German)
1630815)	**A**	Station reports Mediterranean Sea: (in German)
1635(06)	**A**	Repetition medium range weather report North Sea: see also 1100 and/or Special transmissions for research vessels: (only if required)
1715(17)	**A**	Navigational warnings: see also 0950
1735(06)	**A**	Repetition medium range weather report Mediterranean Sea: see also 1120
1800(18)	**A**	Warnings for the sea areas: see also 0000
1805(17)	**A**	Weather report North Sea and Baltic Sea: see also 0005
1820(17)	**A**	Weather report for German coast: see also 0020
2235	**A**	Medium range weather report North Sea: Weather situation, time series forecast for 5 days (in German)
1900(18)	**A**	Weather report North Atlantic: see also 0700
1530(06)	**A**	Repetition weather report Eastern Mediterranean Sea: see also 0930
1930(18)	**A**	Station reports Mediterranean Sea: (in German)
1935(18)	**A**	SHIP (FM 13 XI) : see also 0735
2020(18)	**A**	Weather report Western European Sea: see also 0820
2040(18)	**A**	Weather report Western Mediterranean Sea: see also 0840
2100(21)	**A**	Warnings for the sea areas: see also 0000
2105	**A**	Weather report North Sea and Baltic Sea: see also 0005
2120	**A**	Weather report for German coast: see also 0020
2130	**A**	Weather report Eastern Mediterranean Sea: see also 0930
2155	**A**	Medium range weather report Baltic Sea: Weather situation, time series forecast for 5 days (in German)
1830(18)	**A**	Weather report Norwegian and Baltic Sea: see also 0630

Maritime Radio Station: Tema Radio **Call Sign: 9GX**

24-hour watch

Region: WMO REGION: I
Position: 05°39'N 00°03'W
Radio Address:

METAREA: II
Area Covered: North sea coast

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	1 674 kHz			
RT (HF)	**B**	8 791 kHz (Ch 825)			
VHF	**C**	Ch 26		Takoradi 04°54'N 01°45'W	
VHF	**D**	Ch 27		Tema 05°38'N 00°00'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0905, 2105 after traffic lists	**A**	Storm warnings and 24 hour forecast that may be repeated after 12 hours, for the offshore and coastal waters of Ghana. Navigational warnings: For the offshore and coastal waters of Ghana.
On receipt	**A, B**	Storm warnings. Navigational warnings: For the offshore and coastal waters of Ghana.
0900, 2100	**B**	Storm warnings and 24 hour forecast that may be repeated after 12 hours, for the offshore and coastal waters of Ghana. Navigational warnings: For the offshore and coastal waters of Ghana.
0800, 2000	**C**	Storm warnings and 24 hour forecast that may be repeated after 12 hours, for the offshore and coastal waters of Ghana. Navigational warnings: For the offshore and coastal waters of Ghana.
0830, 2030	**D**	Storm warnings and 24 hour forecast that may be repeated after 12 hours, for the offshore and coastal waters of Ghana. Navigational warnings: For the offshore and coastal waters of Ghana.

GIBRALTAR

Call Sign Series:

Commercial Station: BFBS Gibraltar

Call Sign:

Region: WMO REGION: VI

METAREA: III

Position:

Area Covered:

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
FM	**A**	97.8 MHz	Radio 1		
FM	**A**	93.5 MHz	Radio 1		
FM	**B**	99.5 MHz	Radio 2		
FM	**B**	89.4 MHz	Radio 2		

Broadcast Times	Frequency ID	Contents of Broadcast
Mon-Fri: 0745, 0845, 1005, 1605 LT Sat: 0845, 0945, 1202 LT Sun: 0845, 0945, 1202, 1602 LT	**A**	Shipping forecast, wind, weather, visibility, sea state, swell, High Water and low Water times for local waters within 5 n miles of Gibraltar. In English.
On receipt	**A,B**	Storm and gale warnings for the Gibraltar area.
Mon-Fri: 1200 LT	**B**	Storm and gale warnings for the Gibraltar area. In English.

Commercial Station: Gibraltar Broadcasting Corporation

Call Sign:

Region: WMO REGION: VI

METAREA: III

Position:

Area Covered:

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	**A**	1 458 kHz			
FM	**B**	91.3 MHz			
FM	**C**	92.6 MHz			
FM	**D**	100.5 MHz			

Broadcast Times	Frequency ID	Contents of Broadcast
Mon-Fri: 0530, 0630, 0730, 1030, 1230 Sat: 0530, 0630, 0730, 1030 Sun: 0630, 0730, 1030	**A-D**	General synopsis, situation, forecast, wind direction and strength, sea state and visibility for area up to 5 n miles from Gibraltar. In English.

Navtex Station: Irakleio (Crete)

Call Sign:

METAREA: III

Area Covered: 30°N and 39°00N from 180°30E to 30°E

Region: WMO REGION: VI

Position: 35°20'N 25°07'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[H]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0510, 0910, 1710, 2110	[H]	24 hour forecast and 12 hour outlook. In English.

Note:
(a) The forecasts contain information in the following order: wind, visibility in descriptive terms and significant weather.
(b) In case of gale winds, special warnings and cancellations will be broadcast on each frequency.

Navtex Station: Kerkyra

Call Sign:

METAREA: III

Area Covered: Western Greek Waters and South Adriatic Sea between 34°30N and 42°N from 180° to 21°50E

Region: WMO REGION: VI

Position: 39°45'N 19°52'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[K]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0540, 0940, 1740, 2140	[K]	24 hour forecast and 12 hour outlook. South Adriatic, North Ionio, South Ionio, Patraikos, Korinthiakos, Kithira sea. In English.

Note:
(a) The forecasts contain information in the following order: wind, visibility in descriptive terms and significant weather.
(b) In case of gale winds, special warnings and cancellations will be broadcast on each frequency .

Navtex Station: Limnos **Call Sign:**

METAREA: III

Area Covered: Eastern Greek Waters and Marmora Sea between 36°N and 410N from 25°E to 29°30'E

Region: WMO REGION: VI

Position: 39°52'N 25°04'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[L]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0550, 0950, 1750, 2150	[L]	24 hour forecast and 12 hour outlook. In English.

Notes:
(a) The forecasts contain information in the following order: wind, visibility in descriptive terms and significant weather.
(b) In case of gale winds, special warnings and cancellations will be broadcast on each frequency.

Maritime Radio Station: Olympia Radio **Call Sign: SVO**

24-hour watch

Region: WMO REGION: VI

METAREA: III

Position: 38°01'N 23°50'E

Area Covered: Adriatic Sea, Eastern Mediterranean Sea and Black Sea between 30°N and 46°N from Sicily-Tunisia strait to 42°E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 624 kHz		Rodos (SVR) 36°27'N 28°15'E	
RT (MF)	**A**	2 830 kHz		Kerkyra (SVK) 39°45'N 19°52'E	
RT (MF)	**A**	2 730 kHz		Limnos (SVL) 39°52'N 25°04'E	
RT (MF)	**A**	2 799 kHz		Iráklion (SVH) 35°20'N 2507'E	
Radio-telex	**E**	8 424 kHz		Olympia 37°36'N 21°29'E	
VHF	**F**	Ch 83		Petalidi 36°56'N 21°52'E	
VHF	**F**	Ch 27		Kefallonia 38°08'N 20°40'E	
VHF	**F**	Ch 02		Kerkyra 39°45'N 19°52'E	
VHF	**F**	Ch 83		Kythira 36°09'N 22°59'E	
VHF	**F**	Ch 82		Limnos 39°52'N 25°04'E	
VHF	**F**	Ch 04		Moustakos 35°18'N 23°37'E	
VHF	**F**	Ch 01		Mytilini 39°04'N 26°21'E	
VHF	**F**	Ch 85		Pátra 38°14'N 21°46'E	
VHF	**F**	Ch 83		Knossos 35°17'N 24°53'E	
VHF	**F**	Ch 60		Pilio 39°22'N 22°57'E	
VHF	**F**	Ch 63		Rodos 36°16'N 27°56'E	
VHF	**F**	Ch 85		Sitia 35°12'N 26°06'E	
VHF	**F**	Ch 23		Sfendami 40°25'N 22°31'E	
VHF	**F**	Ch 04		Syros 37°27'N 24°56'E	
VHF	**F**	Ch 23		Astypalea 36°36'N 26°26'E	
VHF	**F**	Ch 27		Faestos 35°00'N 25°12'E	
VHF	**F**	Ch 16		Thassos 40°47'N 24°43'E	
VHF	**F**	Ch 25		Parnitha 38°10'N 23°44'E	

Broadcast Times	Frequency ID	Contents of Broadcast
0703, 1133, 1733, 2333	**A**	Navigational warnings: For the Aegean Sea 34°N-41°N, 22°30'E-30°E. In Greek and English.
0703, 0903, 1533, 2133	**A**	Gale warnings, synopsis, 24 hour forecast and outlook for a further 12 hours for Areas 18-53. In Greek and English.
0703, 0933, 1503, 2103	**A**	Gale/storm warnings for the area affected. Synopsis of major features of the surface weather chart. Forecasts valid for the following 24 hours and outlook for further 12 hours. In Greek repeated in English.
On receipt	**A, F**	Gale warnings for Areas 18-53. In Greek and English.
0033, 0703, 1033, 1633	**B**	Navigational warnings: Local navigational warnings for the Ionian Sea east to 22°30'E including Patraikós Kólpos. In Greek and English.
0033, 0703, 1033, 1633	**C**	Navigational warnings: For the Aegean Sea 34°N-41°N, 22°30'E-30°E. In Greek and English.
0930, 2130	**E**	Gale warnings, synopsis, 24 hour forecast and outlook for a further 12 hours for Areas 18-53. In Greek and English.
On receipt 0500, 1100, 1730, 2330 On request	**F**	In Greek and English.
0600, 1000, 1600, 2000	**F**	Gale warnings, synopsis, 24 hour forecast and outlook for a further 12 hours for Areas 18-53. In Greek and English.
On request (Ch 16)	**F-G**	Gale warnings, synopsis, 24 hour forecast and outlook for a further 12 hours for Areas 18-53. In Greek and English.

Note:
(a) The forecasts contain information in the following order: wind, visibility in descriptive terms and significant weather.
(b) In case of gale winds, special warnings and cancellations will be broadcast on each frequency.

Maritime Radio Station: Aasiaat **Call Sign: OYR**

Station keeping a watch for at least 30 minutes: beginning at 00, 06, 12, 18 UTC daily. A watch is also kept for at least 30 minutes at the beginning of the nearest "single operator period following the standard synoptic hours

Region: WMO REGION: VI

METAREA: III

Position: 68°41'N 52°50'W

Area Covered: Greenland coastal waters. Weather forecast areas: Meqquitsoq, Attu, Uiffaq, Qimusseriarsuaq and Thule, see map

Radio Address: METEO Egedesminde

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	3 280 kHz		Uummannaq 70°47'N 52°07'W	
RT (MF)	A	2 265 kHz		Ikerasassuaq 60°04'N 43°10'W	
RT (MF)	A	6 522 kHz	(608)	Aasiaat 68°41'N 52°50'W	
RT (MF)	A	3 276 kHz		Upernavik 72°47'N 56°09'W	
RT (MF)	A	3 125 kHz		Sisimiut 66°55'N 53°40'W	
RT (MF)	A	2 129 kHz		Simiutaq 60°41'N 46°36'W	
RT (MF)	A	2 304 kHz		Qeqertarsuaq 69°14'N 53°31'W	
RT (MF)	A	2 225 kHz		Paamiut 62°00'N 49°43'W	
RT (MF)	A	2 400 kHz		Maniitsoq 65°24'N 53°52'W	
RT (MF)	A	2 116 kHz		Kook Island 64°04'N 52°01'W	
RT (MF)	A	4 381 kHz	(409)	Qeqertarsuaq 69°14'N 53°31'W	
VHF	B	Ch 25		Maniitsoq 65°24'N 53°52'W	
VHF	B	Ch 27		Aasiaat 68°41'N 52°50'W	
VHF	B	Ch 27		Arsuutaa 61°09'N 48°22'W	
VHF	B	Ch 28		Attup Uummannaa 67°58'N 53°47'W	
VHF	B	Ch 01		Ikerasassuaq 60°04'N 43°10'W	
VHF	B	Ch 25		Ilulissat 69°13'N 51°07'W	
VHF	B	Ch 24		Kangaamiut 65°50'N 53°21'W	
VHF	B	Ch 04		Qaarsorsuaq 72°42'N 56°05'W	
VHF	B	Ch 03		Uummannaq 70°47'N 52°07'W	
VHF	B	Ch 63		Upernivi up Qaqqaa 71°10'N 52°57'W	
VHF	B	Ch 03		Top 775 60°01'N 44°34'W	
VHF	B	Ch 60		Tinumanersuaq 74°06'N 57°12'W	
VHF	B	Ch 01		Sisimiut 66°55'N 53°40'W	
VHF	B	Ch 28		Sermersooq 60°13'N 45°22'W	
VHF	B	Ch 03 04		Qingaaq 64°10'N 51°13'w	
VHF	B	Ch 28		Kangaarsuk 62°59'N 50°32'W	
VHF	B	Ch 26		Qaqatoqaq 66°38'N 52°50'W	
VHF	B	Ch 26		Kook Island 64°04'N 52°01'W	
VHF	B	Ch 24		Pingu 68°47'N 52°03'W	
VHF	B	Ch 23		Paamiut 62°00'N 49°43'W	
VHF	B	Ch 02		Niaqornaq 70°26'N 54°00'W	
VHF	B	Ch 23		Narsarsuaq 61°09'N 45°26'W	
VHF	B	Ch 24		Narsaq 60°54'N 46°01'W	
VHF	B	Ch 25		Nanortalik 60°09'N 45°15'W	
VHF	B	Ch 23		Uunartuarsuup Qaqqaa 69°16'N 53°32'W	

VHF	B	Ch 02 25	Qaqortoq 60°43'N 46°02'W

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt 0135, 0435, 0735, 1035, 1335, 1635, 1935, 2235 After Traffic Lists for the following 48 hours.	A	In English and Danish. Navigational warnings: For areas 3-6.
On request	A, B	18 hour forecast for all Greenland areas. In English, Greenlandic and Danish. Navigational warnings: Ice reports - in English and Danish only.
0805, 1305, 1805, 2305(1)	A, B	Storm and gale warnings for Areas 5-14. In English, Greenlandic and Danish(2).

(1) Broadcasts given 1 hour earlier when DST is in force.
(2) Scheduled warnings will be announced on 2182 kHz and Ch 16, other warnings will announced on DSC, then 2182 kHz and Ch 16 then read on the working frequencies. Repeated after the silence period more than half an hour from the first transmission.

Maritime Radio Station: Ammassalik — Call Sign: OZL

Station keeping a watch for at least 30 minutes: beginning at 00, 06, 12, 18 UTC daily. A watch is also kept for at least 30 minutes at the beginning of the nearest "single operator period following the standard synoptic hours

Region: WMO REGION: VI

METAREA: I

Position: 65°36'N 37°38'W

Area Covered: Greenland coastal waters. Weather forecast areas for: Daneborg, Kangikajik, Aputiteeq, Kulusuk and Timmiarmiut, see map

Radio Address: METEO Egedesminde

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	A	4 381 kHz	(409)	Ammassalik 65°36'N 37°38'W	
RT (MF)	A	3 250 kHz		Ammassalik 65°36'N 37°38'W	
RT (MF)	A	2 250 kHz		Ammassalik 65°36'N 37°38'W	
VHF	B	Ch 26		Sermiligaaq 65°54'N 36°22'W	
VHF	B	Ch 25		Pingels Fjeld 65°44'N 37°03'W	
VHF	B	Ch 27		Kap Tycho Brahe 65°39'N 38°12'W	

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt 0120, 0420, 0720, 1120, 1420, 1720, 2020, 2320, after traffic lists for the following 48 hours.	A	In English and Danish. Navigational warnings: For areas 1 and 2.
On request	A, B	18 hour forecast for all Greenland areas. In English, Greenlandic and Danish. Navigational warnings: Ice Reports.
On receipt 0805, 1305, 1805, 2305(1)	A, B	Storm warnings: Gale warnings for areas 1-5. In English, Greenlandic and Danish(2).

(1) Broadcasts given 1 hour earlier when DST is in force.
(2) Scheduled warnings will be announced on 2182 kHz and Ch 16, other warnings will announced on DSC, then 2182 kHz and Ch 16 then read on the working frequencies. Repeated after the silence period more than half an hour from the first transmission.

Marine Rescue Co-ordination Centre: Grønnedal

Call Sign:

METAREA: IV

Area Covered: Greenland coastal waters. Weather forecast areas for all coastal areas, see map

Region: WMO REGION: VI
Position: 61°14'N 48°06'W
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch12		Kangilinnguit	

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt	A	Gale warnings for Area 9. In English and Danish.

Commercial Station: Kalaalit Nunaata Radio

Call Sign: KNR

METAREA: I

Area Covered:

Region: WMO REGION: VI
Position:
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	A	650 kHz		Nuuk Godthab	
AM	B	720 kHz		Qeqertarsuaq	
AM	C	810 kHz		Simiutaq	
AM	D	900 kHz		Upernavik	
FM	E	90.5-104 MHz			

Broadcast Times	Frequency ID	Contents of Broadcast
Mon-Fri: 1730 LT Sat, Sun: 1800 LT	A-E	In Danish and Greenlandic. Navigational warnings: For all areas.
Mon-Sat: 0700, 0845, 1245, 1730, 2300 LT Sun & Public holidays: 0800, 1200, 1800, 2300 LT	A-E	Gale warnings, synopsis, 18 hour forecast and ice information for all Areas. In Danish and Greenlandic.

Navtex Station: Kook Island (Nuuk) **Call Sign:**

METAREA: XVIII

Area Covered: Sea districts: Narsalik and Meqquitsoq

Region: WMO REGION: VI

Position: 64°04'N 52°01'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[W]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0340, 0740, 1140, 1540, 1940, 2340	[W]	Storm warnings and forecast for areas 7-14. In English. Navigational warnings: Ice reports for W Coast of Greenland. In English.

(1) Previous announcement on channel 16.

Commercial Station: Grenada Broadcasting Corporation (G.B.C. Radio) Radio Grenada — **Call Sign:**

METAREA: IV

Area Covered: Caribbean Sea, Lesser Antilles and Atlantic waters to the east

Region: WMO REGION: IV

Position:

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	**A**	535 kHz			
FM	**B**	105.5 MHz			

Broadcast Times	Frequency ID	Contents of Broadcast
Mon-Sat: 0700, 1230, 1630 LT	**A, B**	Hurricane warnings and situation development (if any in force), forecast, Synopsis, analysis, sea state, for coastal waters of Grenada. In English.
On receipt	**A, B**	Hurricane warnings and situation development broadcast only during the hurricane season for the coastal waters of Grenada and surrounding area. In English.

Main Station

(1) These are times of Regional News Bulletins. Local warnings are given at the end.

Marine Rescue Co-ordination Centre: Grenada Coast Guard (S. Georges) (MRSC) — **Call Sign: J3YC**

METAREA: IV

Area Covered: Caribbean Sea, Lesser Antilles and Atlantic waters to the east

Region: WMO REGION: IV

Position: 12°08'N 61°41'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 16 87			

Broadcast Times	Frequency ID	Contents of Broadcast
On request	**A**	Forecast for coastal waters of Grenada and surrounding area.

Main Station

(1) These are times of Regional News Bulletins. Local warnings are given at the end.
(2) 1945-2200.
(3) 1000-0215.
(4) Will extend normal operations to accommodate.

Marine Rescue Co-ordination Centre: ADRASEC (Guadeloupe)

Call Sign:

Region: WMO REGION: IV

Position:

Radio Address:

METAREA: IV

Area Covered: Area 1: 25 miles around the coast.
Area 2: 10°N-20°N, 50°W-70°W.
Area 3: 10°N-20°N, 57°W-65°W.

Mode Of Transmission	ID	Frequency	Area/International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	**A**	3 700 kHz			1 Jul - 31 Oct
AM	**B**	7 050 kHz			1 Jul - 31 Oct

Broadcast Times	Frequency ID	Contents of Broadcast
0003	**A, B**	Area 2: Special advisories or bulletins. Dangerous meteorological phenomena. Area 3: Marine bulletin for the high seas: Storm warnings, weather summary, forecast for 24 hours from Trinidad to the Virgin Islands. In French.

Marine Rescue Co-ordination Centre: Guadeloupe (CROSSAG)
Call Sign:

Region: WMO REGION: IV
Position:
Radio Address:

METAREA: IV

Area Covered: Area 1: 25 miles around the coast.
Area 2: 10°N-20°N, 50°W-70°W.
Area 3: 10°N-20°N, 57°W-65°W.

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	**A**	Call:2182 Bcst:2545	Guadeloupe		
FM	**B**	Call:Ch16 Bcst:Ch11	Guadeloupe		
FM	**C**	Call:Ch16 Bcst:Ch25	Guadeloupe		
FM	**D**	Ch 80	Guadeloupe	Vieux-Fort 15°57'N 61°45'W	
FM	**D**	Ch 80	Guadeloupe	Piton Sainte Rose 16°20'N 61°45'W	
FM	**D**	Ch 64	Guadeloupe	Marie-Galante 15°54'N 61°15'W	
FM	**D**	Ch 79	Guadeloupe	Morne-à-Louis 16°11'N 61°44'W	

Broadcast Times	Frequency ID	Contents of Broadcast
1333, 2215	**A**	AREA 3: Marine bulletin for the high seas: Storm warnings, weather summary, forecast for 24 hours from Trinidad to the Virgin Islands. Answering machine available at: 08 92 68 08 08. In French and English.
1200-0000 every 2 hours	**A**	AREA 2 & 3: Special advisories or bulletins. Dangerous meteorological phenomena. In French and English.
1530, 2300, 0100	**B**	AREA 1: Marine bulletin for coastal areas: Storm warnings, weather summary, forecast for 24 hours, last observations, hours for tides. Answering machine available at: 08 92 68 08 08.
1100-2300 H+30	**B,C**	AREA 1: Special advisories or bulletins. Dangerous meteorological phenomena. In French.
1100-2300 H+33	**B,C**	AREA 2 & 3: Special advisories or bulletins. Dangerous meteorological phenomena. In French and English.
1200-1530-2300-0100; 1210-1540-2310-0110; 1220-1520-2320-0120; 1230-1600-2330-0130	**D**	AREA 1: Marine bulletin for coastal areas: Storm warnings, weather summary, forecast for 24 hours, last observations, hours for tides. Answering machine available at : 08 92 68 08 08. In French.

NOTE:
CROSSAG = Centre Régional Opérationnel de Surveillance et de Sauvetage Antilles Guyane)

Commercial Station: Pointe-à-Pitre (RFI Guadeloupe) **Call Sign: FFQ**

Region: WMO REGION: IV
Position:
Radio Address:

METAREA: IV

Area Covered: Area 1: 25 miles around the coast.
Area 2: 10°N-20°N, 50°W-70°W.
Area 3: 10°N-20°N, 57°W-65°W.

Mode Of Transmission	ID	Frequency	Area/International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	**A**	6 175 kHz			
AM	**B**	13 640 kHz			
AM	**C**	15 300 kHz			
AM	**D**	17 570 kHz			
AM	**E**	21 645 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
1130	**A-E**	AREA 3: Bulletin for the high seas: Storm warnings, weather summary, forecast for 24 hours from Trinidad to the Virgin Islands. Answering machine available at: 08 92 68 08 08. In French.

Commercial Station: Radio-France Outre-Mer (RFO), Guadeloupe **Call Sign: FFQ**

Region: WMO REGION: IV
Position:
Radio Address:

METAREA: IV

Area Covered: Area 1: 25 miles around the coast.
Area 2: 10°N-20°N, 50°W-70°W.
Area 3: 10°N-20°N, 57°W-65°W.

Mode Of Transmission	ID	Frequency	Area/International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	A	640 kHz			
	B	1 420 kHz			
	C	88.6 MHz		St. Barth	
	D	88.9 MHz		St. Martin	
	E	88.9-89.1 MHz			
	F	96.8-97.0 MHz			
	G	97.4 MHz			

Broadcast Times	Frequency ID	Contents of Broadcast
Irregular	A-G	AREA 1: Marine bulletin for coastal areas: Storm warnings, weather summary, forecast for 24 hours, last observations, hours for tides. Answering machine available at: 08 92 68 08 08. In French.
0915, 2350	A-G	AREA 3: Marine bulletin for the high seas: Storm warnings, weather summary, forecast for 24 hours from Trinidad to the Virgin Islands. Answering machine available at : 08 92 68 08 08. In French.

Marine Rescue Co-ordination Centre: Guam (USCG) **Call Sign: NRV**

24-hour watch

METAREA: XI

Area Covered:

Region: WMO REGION: V
Position: 13°34'N 144°50'E
Radio Address: METEO Guam

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
Radio-telex	**A**	12 579 kHz			
Radio-telex	**B**	16 806.5 kHz			
Radio-telex	**C**	22 376 kHz			
RT (MF)	**D**	2 670 kHz			
RT (MF)	**E**	6 501 kHz	(601)		
RT (HF)	**F**	13 089 kHz	(1205)		
VHF	**G**	Ch 22A			

Broadcast Times	Frequency ID	Contents of Broadcast
0230, 0500, 0900, 1500, 1900, 2315	**A-C**	Navigational warnings: Maritime safety information including NAVAREA XII warnings.
0500, 1500, 1900, 2315	**A-C**	Gale warnings for N Pacific Ocean W of 180° and the Indian Ocean. Forecast for N. Pacific Ocean W of 180°.
0705, 2205	**D**	Gale warnings for coastal waters of Guam. Gale warngs and forecast for 0°-50°N, 110°E-180°. Navigational warnings: Maritime safety information including NAVAREA XII warnings.
On receipt	**D, G**	Gale warnings for 0°-50°, 110°-180°.
0930, 1530	**E**	Gale warnings, synopsis, forecast for the following areas: N Pacific Ocean - N of 30°N and E of a line from the Bering Strait to 50°N 160°E. NE Pacific Ocean - Equator to 30°N and E of 140°W. N Pacific Ocean - Equator to 30°N and 140°W to 160°E. Tsunami Watch / Warning for Central pacific, whilst in force. Navigational warnings: Maritime safety information including NAVAREA XII warnings.
0330, 2130	**F**	Navigational warnings: Maritime safety information including NAVAREA XII warnings.
0900, 2100	**G**	Gale warnings for coastal waters of Guam. Gale warngs, forecast for Guam and N Mariana islands. Navigational warnings: Maritime safety information including NAVAREA XII warnings.

Navtex Station: Guam (USCG) **Call Sign: NRV**

24-hour watch

METAREA: XI

Area Covered:

Region: WMO REGION: V

Position: 13°34'N 144°50'E

Radio Address: METEO Guam

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[V]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0100, 0500, 0900, 1700, 2100	[V]	Gale warnings and forecast for Guam and N. Mariana Islands. In English. Navigational warnings: For N. Mariana Islands. In English.

Notes: Broadcasts are remotely controlled from CAMSPAC (Point Reyes).

Call Sign Series:

Maritime Radio Station: Saint Peter Port

Call Sign:

Region: WMO REGION: VI

METAREA: I

Position: 49°27'N 02°32'W

Area Covered: Channel Islands (UK)

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	1 764 kHz			
RT (MF)	**A**	1 764 kHz		49°27'N 2°32'W	
VHF	**B**	Ch 20 62			
VHF	**B**	Ch 20 62		49°27'N 2°32'W	

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt On request	**A, B**	Navigational warnings: Local navigational warnings for Guernsey.
On request	**A, B**	Weather bulletin for Guernsey.
On receipt On request	**A, B**	Navigational warnings: Local navigational warnings.
On request	**A, B**	Weather bulletins for Guernsey.

Maritime Radio Station: Conakry

Call Sign:

Region: WMO REGION: I

METAREA: II

Position: 09°31'N 13°43'W

Area Covered:

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	1 813 kHz		09°31'N 13°43'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0818	**A**	For coastal waters of Guinea. In French.

Commercial Station: Guyana Broadcasting Corporation **Call Sign:**

Region: WMO REGION: III

METAREA: IV

Position:

Area Covered: Georgetown harbour and coastal waters

Radio Address:

(1) Radio Roraima
(2) Voice of Guyana

Marine Rescue Co-ordination Centre: Honolulu (USCG) — Call Sign: NMO

24-hour watch

METAREA: XII

Area Covered: East Pacific
(a) Coastal waters out to 100 miles from Hawaiian Islands and inter-island channels
(b) Offshore waters within 1000 miles of Hawaiian Islands
(c) North Pacific; Equator - 50°N, 140°W - 160°E
(d) South Pacific; Equator - 25°S, 110°W - 160°E

Region: WMO REGION: V
Position: 21°26'N 158°09'W
Radio Address: METEO WASHDC; SITOR/ARQ SECAL#1099; SITOR/ARQ SECAL#1199

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
Radio-telex	**A**	8 416.5 kHz			
Radio-telex	**B**	12 579 kHz			
Radio-telex	**C**	22 376 kHz			
RT (MF)	**D**	2 670 kHz			
RT (HF)	**E**	6 501 kHz	(601)		
RT (HF)	**F**	8 764 kHz	(816)		
RT (HF)	**G**	13 089 kHz	(1205)		
VHF	**H**	Ch 22A			

Broadcast Times	Frequency ID	Contents of Broadcast
0730, 1330	**A, B**	High seas forecast for Pacific Ocean. Navigational warnings: Maritime Safety Information.
0130, 2030	**A-C**	High seas forecast for Pacific Ocean. Navigational warnings: Maritime Safety Information.
0545, 1145, 1745, 2345	**D**	Gale warnings, synopsis, forecast for Pacific High Seas Forecast Areas. Coastal waters forecast up to 40 n miles. Offshore forecasts beyond 40 n miles out to 240 n miles. Tsunami Watch / Warning for Central Pacific, whilst in force. Navigational warnings: Local navigational warnings for the Hawaiian Islands.
On receipt	**D, H**	Gale warnings. Navigational warnings: Urgent navigational warnings.
0600, 1200	**E, F**	Gale warnings, synopsis, forecast for Pacific High Seas Forecast Areas. Coastal waters forecast up to 40 n miles. Offshore forecasts beyond 40 n miles out to 240 n miles. Tsunami Watch / Warning for Central Pacific, whilst in force. Navigational warnings: Maritime Safety Information.
0005, 1800	**F, G**	Gale warnings, synopsis, forecast for Pacific High Seas Forecast Areas. Coastal waters forecast up to 40 n miles. Offshore forecasts beyond 40 n miles out to 240 n miles. Tsunami Watch / Warning for Central Pacific, whilst in force. Navigational warnings: Maritime Safety Information.
0500, 0900, 1700, 2100	**H**	Navigational warnings: Local navigational warnings for the Hawaiian Islands.
0500, 1700	**H**	Gale warnings, synopsis, forecast for Pacific High Seas Forecast Areas. Coastal waters forecast up to 40 n miles. Offshore forecasts beyond 40 n miles out to 240 n miles. Tsunami Watch / Warning for Central Pacific, whilst in force.

NOTE:
Radio-Telex and RT (HF) broadcasts are remotely controlled from CAMSPAC (Point Reyes).

Navtex Station: Honolulu (USCG) — Call Sign: NMO

24-hour watch

METAREA: XII

Area Covered: East Pacific
(a) Coastal waters out to 100 miles from Hawaiian Islands and inter-island channels
(b) Offshore waters within 1000 miles of Hawaiian Islands
(c) North Pacific; Equator - 50°N, 140°W - 160°E
(d) South Pacific; Equator - 25°S, 110°W - 160°E

Region: WMO REGION: V
Position: 21°26'N 158°09'W
Radio Address: METEO WASHDC; SITOR/ARQ SECAL#1099; SITOR/ARQ SECAL#1199

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[O]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0040, 0440, 0840, 1240, 1640, 2040	[O]	Gale warnings, forecat for waters up to 100 n miles from the Hawaiian Islands and forecast for waters up to 1000 n miles from Honolulu (up to 30°N). In English. Navigational warnings: Notices to Mariners. Electronic Navigation Advisories. In English.

Maritime Radio Station: Kekaha, Kauai — Call Sign: WWVH

METAREA: XII

Area Covered: (a) North Pacific; (b) South Pacific, Equator - 25°S, between 110°W and 160°E

Region: WMO REGION: V
Position: 21°59'N 159°46'W
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	A	2.5 MHz			
AM	B	5.0 MHz			
AM	C	10.0 MHz			
AM	D	15.0 MHz			

Broadcast Times	Frequency ID	Contents of Broadcast
H+51	A-D	Storm warnings: 45 second message giving location and movements of storm centres and associated wind speed for the North Pacific E of 140°W.
H+48, H+49, H+50	A-D	Storm warnings: 45 second message giving location and movements of storm centres and associated wind speed for the North Pacific and South Pacific - Equator-25°S and 160°E-110°W.

Commercial Station: Commercial Radio 1 Hong Kong

Call Sign:

Region: WMO REGION: II

METAREA: XI

Position:

Area Covered:

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
FM	**A**	89.5 MHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0400, 0600, 1300, 1700, 2000, 2400 LT after the news	**A**	Storm warnings, weather situation, 24 hour forecast of wind, significant weather and sea state for Areas 1-7, outlook for following 24 hours and latest reports from coastal weather stations. In Chinese.

Maritime Radio Station: Hong Kong

Call Sign: VRX

Region: WMO REGION: II

METAREA: XI

Position: 22°13'N 114°15'E

Area Covered: For warnings of tropical cyclones: 10°N to 30°N, 105°E to 125°E.
For warnings of winds of force 8 or above: Hong Kong Marine Forecast Areas (see map).

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	**A**	8 812 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0533, 0933, 1333(1), 2233	**A**	Storm warnings, weather situation, 24 hour forecast of wind, significant weather and sea state for Areas 1-7, outlook for following 24 hours and latest reports from coasta weather stations. In Chinese and English.

Navtex Station: Hong Kong **Call Sign: VRX**

Region: WMO REGION: II
Position: 22°13'N 114°15'E
Radio Address:

METAREA: XI

Area Covered: For warnings of tropical cyclones: 10°N to 30°N, 105°E to 125°E.
For warnings of winds of force 8 or above: Hong Kong Marine Forecast Areas (see map).

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[L]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt	[L]	Warnings are issued whenever a tropical cyclone is located within the area 10°N-30°N, 105°E-125°E. Note: Warnings are repeated once in the next scheduled broadcast. In English.
0150, 0550, 0950, 1350, 1750, 2150	[L]	Warnings of winds of force 8 or above. A synopsis of significant weather system within the sea area 10°N-30°N, 105°E-125°E. Forecast for 24 hours from 0100/1300 for Hong Kong Marine Forecast Areas. In English.

Commercial Station: Radio Television Hong Kong **Call Sign:**

Region: WMO REGION: II

METAREA: XI

Position:

Area Covered: For warnings of tropical cyclones: 10°N to 30°N, 105°E to 125°E. For warnings of winds of force 8 or above: Hong Kong Marine Forecast Areas (see map).

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
FM	**A**	94.4 MHz	Radio 1		
FM	**B**	96.9 MHz	Radio 2		
FM	**C**	106.8 MHz	Radio 3		
FM	**C**	97.9 MHz	Radio 3		
AM	**C**	1 584 kHz	Radio 3		
AM	**C**	567 kHz	Radio 3		
AM	**D**	783 kHz	Radio 5		

Broadcast Times	Frequency ID	Contents of Broadcast
0400, 0600, 1300, 1815(1), 2000, 2400 LT after the news	**A**	Storm warnings, weather situation, 24 hour forecast of wind, significant weather and sea state for Areas 1-7, outlook for following 24 hours and latest reports from coastal weather stations. In Chinese.
0400, 0600, 2400 LT after the news	**B**	Storm warnings, weather situation, 24 hour forecast of wind, significant weather and sea state for Areas 1-7, outlook for following 24 hours and latest reports from coastal weather stations. In Chinese.
0600 LT after the news 2358 LT before the news	**C**	Storm warnings, weather situation, 24 hour forecast of wind, significant weather and sea state for Areas 1-5, outlook for following 24 hours and latest reports from coastal weather stations. In English.
Sat, Sun and public Holidays 0530, 0615, 0715(2), 0815, 1115, 1315, 1415, 1715, 2015 LT	**C**	Weather bulletins for Hong Kong waters.
0400, 0600, 13, 1700, 2000, 2400 LT after the news	**D**	Storm warnings, weather situation, 24 hour forecast of wind, significant weather and sea state for Areas 1-7, outlook for following 24 hours and latest reports from coastal weather stations. In Chinese.

(1) Only broadcast on Saturdays and public holidays.
(2) Not on Saturdays.

Maritime Radio Station: Hornafjördur

Call Sign: TFT

METAREA: I

Area Covered: Coastal districts and coastal waters of Iceland between 62°30'N and 67°N, from 12°W to 26°W

Region: WMO REGION: VI
Position: 64°15'N 15°13'W
Radio Address: METEO Reykjavik

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	1 659 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0205, 0505, 0805, 1105, 1405, 1705, 2005, 2305	**A**	After preliminary announcement on 2182 kHz. Gale and storm warning forecast valid for 24 to 36 hours. In Icelandic repeated in English.

Maritime Radio Station: Isafjördur

Call Sign: TFZ

METAREA: I

Area Covered: Coastal districts and coastal waters of Iceland between 62°30'N and 67°N, from 12°W to 26°W

Region: WMO REGION: VI
Position: 66°05'N 23°02'W
Radio Address: METEO Reykjavik

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 724 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0203, 0503, 0803, 1103, 1403, 1703, 2003, 2303	**A**	After preliminary announcement on 2 182 kHz. Gale and storm warning forecast valid for 24 to 36 hours. In Icelandic repeated in English.

Maritime Radio Station: Nes Radio (Neskaupstadur)

Call Sign: TFM

METAREA: I

Area Covered: Coastal districts and coastal waters of Iceland between 62°30'N and 67°N, from 12°W to 26°W

Region: WMO REGION: VI
Position: 65°09'N 13°42'W
Radio Address: METEO Reykjavik

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	1 761 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0203, 0503, 0803,1103, 1403, 1703, 2003, 2303	**A**	After preliminary announcement on 2182 kHz. Gale and storm warning forecast valid for 24 to 36 hours. In Icelandic repeated in English.

Maritime Radio Station: Reykjavík

Call Sign: TFA, TFU

24-hour watch

METAREA: I

Area Covered: Greenland East coast (North Atlantic to Barents Sea)
Coastal districts and coastal waters of Iceland between 63°N and 67°30'N, from 12°W to 27°W

Region: WMO REGION: VI
Position: 64°05'N 21°51'W
Radio Address: METEO Reykjavik

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	1 876 kHz	TFA		H24
	B	189 kHz	TFU	Gufuskálar (TFU)	
	B	737 kHz	TFU	Eidar (TFU)	
	B	207 kHz	TFU	Reykjavik (TFU)	

Broadcast Times	Frequency ID	Contents of Broadcast
0205, 0505, 0805, 1105, 1405, 1705, 2005, 2305	**A**	After preliminary announcement on 2182 kHz. Gale and storm warning forecast valid for 24 to 36 hours. In Icelandic repeated in English.
0100, 0430, 0645, 1003, 1245, 1608, 2210	**B**	Part 1: ICE. Coastal waters of Iceland. Part 2: Weather situation Part 3: Forecasts valid for 24 to 36 hours for the areas (see map). Part 4: Synop In Icelandic.

NOTE:
The control centre for all the Radio Stations in Iceland is Reykjavik Radio. However the call signs for the other five radio stations: Hornarfjardar Radio (TFT), Isafjördur Radio (TFZ), Nes Radio (TFM), Siglufjördur Radio (TFX), and Vestmannaeyjar Radio (TFV) is still valid and in use.

Navtex Station: Reykjavík

Call Sign: TFA, TFU

24-hour watch

Region: WMO REGION: VI
Position: 64°05'N 21°51'W
Radio Address: METEO Reykjavik

METAREA: I

Area Covered: Greenland East coast (North Atlantic to Barents Sea)
Coastal districts and coastal waters of Iceland between 63°N and 67°30'N, from 12°W to 27°W

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[R]	490 kHz			
MSI	[R]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0320, 0720, 1120, 1520, 1920, 2320	[R]	Storm warnings. In Icelandic.
0250, 0650, 1050, 1450, 1850, 2250	[R]	Part 1: ICE. Coastal waters of Iceland Part 2: Weather situation Part 3: Forecasts for coastal districts and coastal waters of Iceland valid for 24 to 36 hours. Note: The latest ice report and forecast is repeated on request.
On receipt	[R]	Storm warnings. In English.

(1) Previous announcement on channel 16.

Maritime Radio Station: Siglufjördur

Call Sign: TFX

Region: WMO REGION: VI
Position: 66°11'N 18°57'W
Radio Address: METEO Reykjavik

METAREA: I

Area Covered: Coastal districts and coastal waters of Iceland between 63°N and 67°30'N, from 12°W to 27°W

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	1 883 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0205, 0505, 0805, 1105, 1405, 1705, 2005, 2305	A	After preliminary announcement on 2182 kHz. Gale and storm warning forecast valid for 24 to 36 hours. In Icelandic repeated in English.

Maritime Radio Station: Vestmannaeyjar **Call Sign: TFV**

Region: WMO REGION: VI
METAREA: I
Position: 63°24'N 20°17'W
Area Covered: Coastal districts and coastal waters of Iceland between 63°N and 67°30'N, from 12°W to 27°W
Radio Address: METEO Reykjavik

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	1 713 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0203, 0503, 0803, 1103, 1403, 1703, 2003, 2303	**A**	After preliminary announcement on 2182 kHz. Gale and storm warning forecast valid for 24 to 36 hours. In Icelandic repeated in English.

Maritime Radio Station: Chennai (Madras)

Call Sign: VWM

Region: WMO REGION: II
Position: 13°05'N 80°17'E
Radio Address:

METAREA: VIII(N)

Area Covered: Indian Ocean/Arab.Gulf/Red Sea
Sea areas within the Asian coast and the line 24°N 68°E to 20°N 68°E to 20°N 60°E to 5°N 60°E to 5°N 95°E to 10°N 95°E to 10°N 94°E to 13°30'N 94°E to 13°30'N 92°E to 18°N 92°E to 18°N 94°30'E.

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
WT (MF)	**A**	515 kHz		13°05'N 80°17'E	

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt 0548, 1548 On request	**A**	Navigational warning for the ara within 250 n miles of Chennai (Madras) to 15°N including Palk Strait. In English.

Navtex Station: Chennai (Madras)

Call Sign: VWM

Region: WMO REGION: II
Position: 13°05'N 80°17'E
Radio Address:

METAREA: VIII(N)

Area Covered: Indian Ocean/Arab.Gulf/Red Sea
Sea areas within the Asian coast and the line 24°N 68°E to 20°N 68°E to 20°N 60°E to 5°N 60°E to 5°N 95°E to 10°N 95°E to 10°N 94°E to 13°30'N 94°E to 13°30'N 92°E to 18°N 92°E to 18°N 94°30'E.

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[P]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0230, 1030	[P]	Navigational warnings: For the Bay of Bengal coast. In English.
0630, 1830	[P]	Forecast and sometimes balloon observations for Bay of Bengal and coastal areas 13, 14. In English.

Maritime Radio Station: Kochi (Cochin) — Call Sign: VWN

24-hour watch

METAREA: VIII(N)

Area Covered: Sea areas within the Asian coast and the line 24°N 68°E to 20°N 68°E to 20°N 60°E to 5°N 60°E to 5°N 95°E to 10°N 95°E to 10°N 94°E to 13°30'N 94°E to 13°30'N 92°E to 18°N 92°E to 18°N 94°30'E.

Region: WMO REGION: II
Position: 09°58'N 76°56'E
Radio Address: METEO Weather

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
WT (MF)	**A**	460 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt 0648, 1548 On request	**A**	Navigational warnings: For the area within 300 n miles of Kochi between 5°N and 12°N including the Lakshadweep Islands. In English.
H+00(1) 0420(2), 0820, 1220(2), 1620, 2020(2), 2320(3)	**A**	Situation, forecasts of wind, weather, visibility and sea state for coastal Area 7 and 9. In English.

(1) Transmission in the event of an unexpected development of a tropical storm.
(2) Transmission in the event of a cyclonic storm having developed.
(3) Transmission in the event of disturbed weather.

Maritime Radio Station: Mumbai (Bombay) — Call Sign: VWB

24-hour watch

Region: WMO REGION: II
Position: 18°55'N 72°50'E
Radio Address: METEO Weather

METAREA: VIII(N)

Area Covered: Indian Ocean/Arab.Gulf/Red Sea
Sea areas within the Asian coast and the line 24°N 68°E to 20°N 68°E to 20°N 60°E to 5°N 60°E to 5°N 95°E to 10°N 95°E to 10°N 94°E to 13°30'N 94°E to 13°30'N 92°E to 18°N 92°E to 18°N 94°30'E.

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
WT (MF)	**A**	500 kHz			
WT (MF)	**B**	521 kHz			
WT (HF)	**C**	8 630 kHz			
WT (HF)	**D**	12 710 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
H+00(1)	**A**	Storm warnings.
0448(2), 0848, 1248(2), 1648, 2048(2), 2348(3)	**A, C, D**	Storm warnings: for Arabian Sea (Sea area I). In English.
On receipt 0648, 1548 On request	**B-D**	Navigational warnings: For the area within 200 n miles of Bombay between 21°N and 17°N including Gulf of Khambat (Cambay). In clear English.
0848, 1648	**B-D**	Synopsis and forecast. FM 46 IAC FLEET for Arabian Sea (Sea area I). In clear English.
0420(2), 0820, 1220(2), 1620, 2020(2), 2320(3)	**B-D**	Situation, forecasts of wind, weather, visibility and sea state for coastal Areas 2, 3. In clear (English)
0618, 1518	**B-D**	Met codes: FM 12 - SYNOP, FM 13 - SHIP for Sea areas I.

(1) Transmission in the event of an unexpected development of a tropical storm.
(2) Transmission in the event of disturbed weather.
(3) Transmission in the event of a cyclonic storm having developed.

Marine Rescue Co-ordination Centre: Mumbai (Bombay) (COMCEN) — Call Sign: VTG

Region: WMO REGION: II
Position: 19°05'N 72°50'E
Radio Address:

METAREA: VIII(N)

Area Covered: Indian Ocean/Arab Gulf/Red Sea
Sea areas within the Asian coast and the line 24°N 68°E to 20°N 68°E to 20°N 60°E to 5°N 60°E to 5°N 95°E to 10°N 95°E to 10°N 94°E to 13°30'N 94°E to 13°30'N 92°E to 18°N 92°E to 18°N 94°30'E.

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
WT (HF)	**A**	2 072 kHz			
WT (HF)	**B**	4 268 kHz			
WT (HF)	**C**	6 467 kHz			
WT (HF)	**D**	8 634 kHz			
WT (HF)	**E**	12 808.5 kHz			
WT (HF)	**F**	16 938 kHz			
WT (HF)	**G**	22 378 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
Sun: 1215	**A-G**	Navigational warnings: Summary of important NAVAREA VIII warnings between 24 and 42 days old. In English.
Sat: 0500, 1500	**A-G**	Navigational warnings: Numbers of all NAVAREA VIII warnings in force. Repeated at 0900 Sun, Wed. In English.
0500, 1500 on day of receipt or 1500 on day of receipt and 0500 following day. Repeated at 0900 on days 2, 5, 8, 12, 16, 20 and 24 (day of second main broadcast taken as day 1) On request	**A-G**	Navigational warnings: NAVAREA VIII warnings. In English.
1500, 2100	**C, D**	For Areas B, C and E (North and South) and coastal forecasts for Indian coasts. In English.

Note: Weather messages may be delayed or cancelled, without prior notice, owing to priority traffic.

Navtex Station: Mumbai (Bombay) (COMCEN)

Call Sign: VTG

METAREA: VIII(N)

Area Covered: Indian Ocean/Arab Gulf/Red Sea
Sea areas within the Asian coast and the line 24°N 68°E to 20°N 68°E to 20°N 60°E to 5°N 60°E to 5°N 95°E to 10°N 95°E to 10°N 94°E to 13°30'N 94°E to 13°30'N 92°E to 18°N 92°E to 18°N 94°30'E.

Region: WMO REGION: II
Position: 19°05'N 72°50'E
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[G]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0500, 0900, 1300, 1700, 2100	[G]	Navigational warnings: For the Arabian Sea coast. In English.
0900, 2100	[G]	Forecast and sometimes balloon observations for Arabian Sea and coastal areas 2,3. FM 12 SYNOPSIS, FM 13 SHIP for sea area I. In English.

Maritime Radio Station: Tuticorin

Call Sign: VWT

24-hour watch

METAREA: VIII(N)

Area Covered: Sea areas within the Asian coast and the line 24°N 68°E to 20°N 68°E to 20°N 60°E to 5°N 60°E to 5°N 95°E to 10°N 95°E to 10°N 94°E to 13°30'N 94°E to 13°30'N 92°E to 18°N 92°E to 18°N 94°30'E.

Region: WMO REGION: II
Position: 08°47'N 78°10'E
Radio Address: METEO Weather

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
WT (MF)	A	487 kHz		08°47'N 78°10'E	

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt 0648, 1548 On request	A	For the areas within 200 n miles of Tuticornin east of 77°E up to 10°N. In English.

Marine Rescue Co-ordination Centre: Vishakhapatnam (COMCEN) — Call Sign: VTP

Region: WMO REGION: II
Position: 17°42'N 83°17'E
Radio Address:

METAREA: VIII(N)

Area Covered: Sea areas within the Asian coast and the line 24°N 68°E to 20°N 68°E to 20°N 60°E to 5°N 60°E to 5°N 95°E to 10°N 95°E to 10°N 94°E to 13°30'N 94°E to 13°30'N 92°E to 18°N 92°E to 18°N 94°30'E.

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
WT (HF)	**A**	2 295 kHz			
WT (HF)	**B**	4 238 kHz			
WT (HF)	**C**	6 418 kHz			
WT (HF)	**D**	8 646 kHz			
WT (HF)	**E**	12 840 kHz			
WT (HF)	**F**	16 695 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0001	**A-D**	For Areas C and E (North and South) and coastal forecasts for Indian coasts. In English.
Sun: 1215	**A-F**	Navigational warnings: Summary of important NAVAREA VIII warnings between 24 and 42 days old. In English.
Sat: 0500, 1500	**A-F**	Navigational warnings: Numbers of all NAVAREAS VIII warnings in force. Repeated at 0900 Sun, Wed. In English.
0500, 1500 on day of receipt or 1500 on day of receipt and 0500 following day. Repeated at 0900 on days 2, 5, 8, 12, 16, 20 and 24 (day of second main broadcast taken as day 1)	**A-F**	Navigational warnings: Numbers of all NAVAREA VIII warnings in force. Repeated at 0900 Sun, Wed. In English.
1600	**B, D, E**	For Areas C and E (North and South) and coastal forecasts for Indian coasts. In English.

Maritime Radio Station: Vishakhapatnam (COMCEN) — Call Sign: VTP

Region: WMO REGION: II
Position: 17°42'N 83°17'E
Radio Address:

METAREA: VIII(N)

Area Covered: Sea areas within the Asian coast and the line 24°N 68°E to 20°N 68°E to 20°N 60°E to 5°N 60°E to 5°N 95°E to 10°N 95°E to 10°N 94°E to 13°30'N 94°E to 13°30'N 92°E to 18°N 92°E to 18°N 94°30'E.

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
WT (MF)	**A**	474 kHz		17°42'N 83°17'E	

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt 0548, 1548 On request	**A**	In English. Navigational warnings: For the areas within 200 n miles of Vishakhaptnam between 14°30'N and 19°N.

Note: This service is only provided when COMCEN Mumbai (Bombay) (VTG) is off the air.

Navtex Station: Amboina

Call Sign:

METAREA: XI

Area Covered: Seram (West Pacific Sea of Japan)

Region: WMO REGION: V

Position: 03°42'S 128°11'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[B]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0010, 0410, 0810, 1210, 1610, 2010	[B]	Storm warnings. In English.

Maritime Radio Station: Jakarta

Call Sign: PKX

24-hour watch

METAREA: XI

Area Covered: Jawa (West Pacific Sea of Japan)
Area circumscribed by a line through: 0°S-119°E, 0°S-95°E, 10°S-95°E, 10°S-141°E, 5°N-141°E, 5°N-119°E

Region: WMO REGION: V

Position: 06°07'S 106°51'E

Radio Address: METEO Jakarta

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
WT (HF)	**A**	8 542 kHz			
WT (HF)	**B**	12 970.5			
RT (MF)	**C**	2 690			
Radio-telex	**D**	8 416.5			
Radio-telex	**E**	16 806.5			

Broadcast Times	Frequency ID	Contents of Broadcast
0200, 1000, 1800	**A, B**	Navigational warnings: Navigational warnings: New or amended warnings. In English.
1100	**A-C**	Storm warnings, 24 hour forecast, synopsis and analysis for Indonesian waters and China Sea, also Indian and pacific Oceans. In English.
0000, 1130	**D**	Meteorological warnings. In English.
0030, 1200	**E**	Meteorological warnings. In English.

Navtex Station: Jakarta

Call Sign:

METAREA: XI

Area Covered: Jawa (West Pacific Sea of Japan)

Region: WMO REGION: V

Position: 06°07'S 106°51'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[E]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0040, 0440, 0840, 1240, 1640, 2040	[E]	Storm warnings, 24 hour forecast, synopsis and analysis for indonesian waters and China Sea. In English.

Navtex Station: Jayapura

Call Sign:

METAREA: XI

Area Covered: Papua (West Pacific Sea of Japan)

Region: WMO REGION: V

Position: 2°31'S 140°43'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[A]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0000, 0400, 0800, 1200, 1600, 2000	[A]	Storm warnings. In English.

Navtex Station: Ujungpandang (Makassar)

Call Sign:

Region: WMO REGION: V

Position: 05°07'S 119°26'E

Radio Address:

METAREA: XI

Area Covered: Sulawesi

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[D]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0030, 0430, 0830, 1230, 1630, 2030	[D]	Storm warnings. In English.

Marine Rescue Co-ordination Centre: Bandar Abbas(MRCC)

Call Sign: EQI

24-hour watch

METAREA: IX

Area Covered:

Region: WMO REGION: II

Position: 27°08'N 57°04'E

Radio Address: METEO Tehran or METEO Bandar-Abbas; Telex No: 214278, 214287; Fax No: 641904/266619; Local Tel. No: 22428

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 18		27°13'N 57°17'E	

Broadcast Times	Frequency ID	Contents of Broadcast
0530, 1230	**A**	For the Strait of Hormuz and the Persian Gulf. In English and Farsi. Navigational warnings: For the Strait of Hormuz and the Persian Gulf. In English and Farsi

Navtex Station: Bandar Abbas(MRCC)

Call Sign: EQI

24-hour watch

METAREA: IX

Area Covered:

Region: WMO REGION: II

Position: 27°08'N 57°04'E

Radio Address: METEO Tehran or METEO Bandar-Abbas; Telex No: 214278, 214287; Fax No: 641904/266619; Local Tel. No: 22428

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[F]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0450, 1250	[F]	For the Strait of Hormuz and the Persian Gulf. In English and Farsi.
0050, 0450, 0850, 1250, 1650, 2050	[F]	Gale warnings. In English. Navigational warnings: For the Strait of Hormuz and the Persian Gulf. In English.

Marine Rescue Co-ordination Centre: Bandar Imam Khomeyni (MRCC)

Call Sign: EQN

METAREA: IX
Area Covered:

Region: WMO REGION: II
Position: 30°30'N 49°09'E
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 18		30°30'N 49°09'E	

Broadcast Times	Frequency ID	Contents of Broadcast
0530, 1230	A	For the Northwest of Persian Gulf. In English and Farsi. Navigational warnings: For the Northwest of Persian Gulf. In English and Farsi

Marine Rescue Co-ordination Centre: Bushehr (MRCC)

Call Sign: EQM

METAREA: IX
Area Covered:

Region: WMO REGION: II
Position: 28°58'N 50°50'E
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 18		28°58'N 50°50'E	

Broadcast Times	Frequency ID	Contents of Broadcast
0530, 1230	A	For the Northwest of Persian Gulf. In English and Farsi. Navigational warnings: For the Northwest of Persian Gulf. In English and Farsi

Navtex Station: Bushehr (MRCC)

Call Sign: EQM

METAREA: IX
Area Covered:

Region: WMO REGION: II
Position: 28°58'N 50°50'E
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[A]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0800, 1600	[A]	For the Northwest of Persian Gulf. In English and Farsi.
0000, 0400, 0800, 1200, 1600, 2000	[A]	Navigational warnings: For the Northwest of Persian Gulf. In English and Farsi.

Marine Rescue Co-ordination Centre: Chah Bahar (MRCC)

Call Sign: EQJ

METAREA: IX
Area Covered:

Region: WMO REGION: II
Position: 25°14'N 60°37'E
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 18		25°14'N 60°37'E	

Broadcast Times	Frequency ID	Contents of Broadcast
0530, 1230	A	For the Gulf of Oman and the northern part of the Indian ocean. In English and Farsi. Navigational warnings: For the Gulf of Oman and the northern part of the Indian ocean. In English and Farsi
0055, 1255	B	Forecast for area 1. In Spanish.

Marine Rescue Co-ordination Centre: Dublin (MRCC) **Call Sign:**

24-hour watch

METAREA: I

Area Covered: Irish coastal waters

Region: WMO REGION: VI

Position: 52°23'N 06°04'W

Radio Address: METEO Dublin

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 04		Carlingford 54°04'N 6°19'W	
VHF	**B**	Ch 83		Dublin 53°23'N 6°04'W	
VHF	**C**	Ch 83		Mine Head 52°00'N 7°35'W	
VHF	**D**	Ch 23		Rosslare 52°15'N 6°20'W	
VHF	**E**	Ch 02		Wicklow Head 52°58'N 6°00'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0033, 0433, 0833, 1233, 1633, 2033	**A-E**	Navigational warnings: For the E, SE and S coasta of Ireland and approaches
0103, 0403, 0703, 1003, 1303, 1603, 1903, 2203 after announcement on Ch 16.	**A-E**	Gale warnings, synopsis and 24 hour forecast for Irish coastal waters up to 30 n miles offshore and Area Irish Sea.
On receipt and repeated at the next one of the following times: 0033, 0633, 1233, 1833 after announcement on Ch 16	**A-E**	Gale warnings for Irish coastal waters up to 30 n miles offshore and Area Irish Sea. Small craft warning issued (Apr-Sept) for Irish coastal waters if winds of Beaufort Force 6 are expected up to 10 n miles offshore.

Navtex Station: Malin Head (COAST GUARD MRSC) **Call Sign: EJM**

METAREA: I
Area Covered: Irish coastal waters

Region: WMO REGION: VI
Position: 55°22'N 07°21'W
Radio Address: METEO Dublin

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[Q]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0240, 0640, 1040, 1440, 1840	[Q]	Navigational warnings: For North Channel, SW coast of Scotland, N, NW and W coasts of Ireland and approaches. In English.
1040, 2240	[Q]	Gale warnings, synopsis and 24 hour forecast for Irish coastal waters up to 30 n miles offshore and Areas Irish sea, Atlantic-East Northern and East Central sections. In English.
0640, 1840	[Q]	Gale warnings and forecast for areas Shannon, Rockall, Malin and Bailey. In English.
0240, 0640, 1040, 1440, 1840, 2240	[Q]	Gale warnings for the Irish coastal waters up to 30 n miles offshore and Areas Irish Sea, Shannon, Rockall, Malin and Bailey. In English.

(1) When 1677 kHz is engaged at the scheduled time of broadcast an alternative frequency will be announced on 2182 kHz.

Marine Rescue Co-ordination Centre: Malin Head (MRSC) **Call Sign: EJM**

24-hour watch

METAREA: I

Area Covered: Irish coastal waters

Region: WMO REGION: VI

Position: 55°22'N 07°21'W

Radio Address: METEO Dublin

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	1 677 kHz		Malinhead 55°22'N 07°21'W	
VHF	**B**	Ch 23		Malinhead 55°22'N 07°21'W	
VHF	**B**	Ch 24		Glen Head 54°44'N 08°43'W	
VHF	**B**	Ch 02		Donegal Bay 54°22'N 08°31'W	
VHF	**B**	Ch 26		Clifden 53°30'N 09°56'W	
VHF	**B**	Ch 83		Belmullet 54°16'N 10°03'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0103, 0403, 0703, 1003, 1303, 1603, 1903, 2203 after announcement on Ch 16	**A**	Gale warnings, synopsis and 24 hour forecast for Irish coastal waters up to 30 n miles offshore and Area Irish Sea.
On receipt(1) 0033, 0433, 0833, 1233, 1633, 2033	**A, B**	Navigational warnings: For North Channel, SW coast of Scotland, N, NW and W coasts of Ireland and approaches.
On receipt and repeated at the next one of the following times: 0033, 0633, 1233, 1833 after announcement on Ch 16.	**B**	Gale warnings, synopsis and 24 hour forecast for Irish coastal waters up to 30 n miles offshore and Areas Irish Sea, Shannon, Rockall, Malin and Bailey. Small Craft Warning issued (Apr-Sept) for Irish coastal waters if winds of Beaufor Force 6 are expected up to 10 n miles offshore.

Commercial Station: Radio Telefis Eireann - Radio 1 (RTE Radio 1) **Call Sign:**

Region: WMO REGION: VI
METAREA: I
Position:
Area Covered: Irish coastal waters
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	**A**	729 kHz		Cork	
AM	**B**	567 kHz		Tullamore	
FM	**C**	88.2 - 95.2 MHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0602, 1253, 2355	**A-C**	Situation, forecast and coastal reports for Irish coastal waters and the Irish Sea. The forecasts will include: (a) Wind strength given in the Beaufort scale and wind direction using 16 point compass. (b) Weather. (c) Visibility. (d) Swell warnings. (e) Outlook for further 24 hours. The coastal reports will include: (a) Wind direction using 16 point compass and speed in knots. (b) Weather. (c) Visibility in nautical miiles and tenths of. (d) Pressure in hectopascals. (e) Pressure tendency, which describes the change in pressure.
Hourly news bulletins	**A-C**	Gale warnings included when required.

Navtex Station: Valentia

Call Sign:

Region: WMO REGION: VI

METAREA: I

Position: 51°27'N 09°49'W

Area Covered: Irish coastal waters

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[W]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0340, 1140, 1540, 2340	[W]	Navigational warnings: For S, SW and W coasts of Ireland and approaches. In English.
1140, 2340	[W]	Forecast for Area Atlantic-East Central Section. In English.
0740, 1940	[W]	Gale warnings, synopsis and 24 hour forecast for Irish coastal waters up to 30 n miles offshore and Areas Irish sea, Sole, Fastnet and Shannon. In English.
0340, 0740, 1140, 1540, 1940, 2340	[W]	Gale warnings for the Irish coastal waters up to 30 n miles offshore and Areas Irish Sea. In English.

Marine Rescue Co-ordination Centre: Valentia (MRSC) **Call Sign: EJK**

24-hour watch

Region: WMO REGION: VI
Position: 51°56'N 10°21'W
Radio Address: METEO Dublin

METAREA: I
Area Covered: Irish coastal waters

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	1 752 kHz			
VHF	**B**	Ch 24		Valentia 51°56'N 10°21'W	
VHF	**B**	Ch 28		Shannon 52°31'N 09°36'W	
VHF	**B**	Ch 04		Mizen 51°34'N 09°33'W	
VHF	**B**	Ch 04		Galway 53°18'N 09°07'W	
VHF	**B**	Ch 26		Cork 51°51'N 08°29'W	
VHF	**B**	Ch 23		Bantry 51°38'N 10°00'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0833, 2033	**A**	Gale warnings, synopsis, 24 hour forecast for Areas Irish Shannon and Fastnet.
On receipt 0303, 0903, 1503, 2103	**A**	Gale warnings for Areas Shannon and Fastnet.
0233, 0633, 1033, 1433, 1833, 2233	**A, B**	Navigational warnings: For S, SW and W coasts of Ireland and approaches.
0103, 0403, 0703, 1003, 1303, 1603, 1903, 2203 after announcement on Ch 16	**B**	Gale warnings, synopsis and 24 hour forecast for Irish coastal waters up to 30 n miles offshore and Areas Irish Sa, Sole, Fastnet and Shannon.
On receipt and repeated at the next one of the following times: 0033, 0633, 1233, 1833, after announcement on Ch 16	**B**	Gale warnings for Irish coastal waters up to 30 n miles offshore and Area Irish Sea. Small Craft Warning issued (Apr-Sept) for Irish coastal waters if winds of Beaufort Force 6 are expected up to 10 n miles offshore.

Maritime Radio Station: Hefa (Haifa)

Call Sign: 4XO

24-hour watch

METAREA: III

Area Covered: Gulf of Aqaba - Matruh, Delta, Crusade

Region: WMO REGION: VI

Position: 32°49'N 35°00'E

Radio Address: METEO Haifa

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 649 kHz			
VHF	**B**	Ch 26			

Broadcast Times	Frequency ID	Contents of Broadcast
On request	**A, B**	Gale warnings, synopsis, 12 hour forecast and outlook for a further 12 hours for Areas Delta, Crusade and Taurus. In English.
On receipt	**A, B**	In English. Navigational warnings: Urgent navigational warnings

Navtex Station: Hefa (Haifa)

Call Sign: 4XO

24-hour watch

METAREA: III

Area Covered: Gulf of Aqaba - Matruh, Delta, Crusade

Region: WMO REGION: VI

Position: 32°49'N 35°00'E

Radio Address: METEO Haifa

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	**[P]**	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0020, 0420, 0820, 1220, 1620, 2020	**[P]**	Gale warnings, synopsis, 12 hour forecast and outlook for a further 12 hours for Areas Delta, Taurus and Crusade. In English. Navigational warnings: Urgent navigational warnings. In English.

Maritime Radio Station: Ancona Radio

Call Sign: IPA

Region: WMO REGION: VI
Position: 43°36'N 13°28'E
Radio Address:

METAREA: III
Area Covered: Northern and Central Adriatic (see map)

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 656 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt 0433, 0933, 1333, 1733, 2133	**A**	Near gale warnings for areas: 14 and 15. In Italian and English
0135, 0735, 1335, 1935	**A**	Near gale warnings, synopsis, 12 or 18 hour forecast and outlook for a further 12 hours for areas: 14 and 15. In Italian and English. Reports (decoded FM 12 SYNOP) from meteorological observation stations in Italian.

Maritime Radio Station: Augusta

Call Sign: IQA

Region: WMO REGION: VI
Position: 37°14'N 15°14'E
Radio Address:

METAREA: III
Area Covered: Sicily Strait, Ionian Sea, Southern Adriatic

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 628 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0135, 0735, 1335, 1935	**A**	Near gale warnings, synopsis, 12 or 18 hour forecast and outlook for a further 12 hours for areas 10 and 11. In Italian and English. Reports (decoded FM 12 SYNOP) from meteorological observation stations in Italian.
On receipt 0333 0833 1233 1633 2033	**A**	Near gale warnings for areas 10 and 11. In Italian and English

Navtex Station: Augusta

Call Sign: IQA

METAREA: III

Area Covered: Sicily Strait, Ionian Sea, Southern Adriatic

Region: WMO REGION: VI

Position: 37°14'N 15°14'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[V]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0730, 1930	[V]	Weather forecasts. In English.
0330, 0730, 1130, 1530, 1930, 2330	[V]	Storm warnings. In English.

Maritime Radio Station: Bari

Call Sign: IPB

METAREA: III

Area Covered: Southern Adriatic Sea, Northern and Southern Ionian Sea, Channel of Sicily (see map) (1)

Region: WMO REGION: VI

Position: 41°06'N 17°00'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	2 579 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0135, 0735, 1335, 1935	A	Near gale warnings, synopsis, 12 or 18 hour forecast and outlook for a further 12 hours for areas 12 and 13. In Italian and English. Reports (decoded FM 12 SYNOP) from meteorological observation stations in Italian.
On receipt 0333, 0833, 1233, 1633, 2033	A	Near gale warnings for areas 12 and 13. In Italian and English

Maritime Radio Station: Cagliari

Call Sign: IDC

24-hour watch

METAREA: III

Area Covered: Sardinian Channel, Sardinian Sea, Corsican Sea

Region: WMO REGION: VI

Position: 39°14'N 09°14'E

Radio Address: METEO Roma

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	2 680 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0135, 0735, 1335, 1935	A	Near gale warnings, synopsis, 12 or 18 hour forecast and outlook for areas 2, 3 & 6-9. In Italian and English Reports (decoded FM 12 SYNOP) from meteorological observation stations in Italian.
On receipt 0303, 0803, 1203, 1603, 2003	A	Near gale warnings for areas: 2, 3 & 6-9. In Italian and English

Navtex Station: Cagliari

Call Sign: IDC

24-hour watch

METAREA: III

Area Covered: Sardinian Channel, Sardinian Sea, Corsican Sea

Region: WMO REGION: VI

Position: 39°14'N 09°14'E

Radio Address: METEO Roma

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[T]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0330, 0710, 1110, 1510, 1910, 2310	[T]	Storm warnings. In English.
0710, 1910	[T]	Weather forecasts. In English.

Maritime Radio Station: Civitavecchia

Call Sign: IPD

METAREA: III

Area Covered: Northern and Central Tyrrhenian Sea (see map)

Region: WMO REGION: VI

Position: 42°02'N 11°50'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	1 888 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0135, 0735, 1335, 1935	**A**	Near gale warnings, synopsis, 12 or 18 hour forecast and outlook for areas 5-9. In Italian and English. Reports (decoded FM 12 SYNOP) from meteorological observation stations in Italian.
On receipt 0533, 0933, 1333, 1833, 2333	**A**	Near gale warnings for areas: 5-9. In Italian and English

Maritime Radio Station: Crotone

Call Sign: IPC

METAREA: III

Area Covered: Northern and Southern Ionian Sea (see map)

Region: WMO REGION: VI

Position: 39°03'N 17°08'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 663 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0135, 0735, 1335, 1935	**A**	Near gale warnings, synopsis, 12 or 18 hour forecast and outlook for areas 11-12. In Italian and English. Reports (decoded FM 12 SYNOP) from meteorological observation stations in Italian.
On receipt 0333, 0833, 1233, 1633, 2033	**A**	Near gale warnings for areas: 11-12. In Italian and English

Maritime Radio Station: Genova

Call Sign: ICB

24-hour watch

Region: WMO REGION: VI

METAREA: III

Position: 44°26'N 08°56'E

Area Covered: Ligurian Sea, Northern Tyrrhenian Sea, Sea of Corsica (see map)

Radio Address: METEO Roma

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 642 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0135, 0735, 1335, 1935	**A**	Near gale warnings, synopsis, 12 or 18 hour forecast and outlook for areas 1, 4 & 5. In Italian and English Reports (decoded FM 12 SYNOP) from meteorological observation stations in Italian.
On receipt 0333, 0833, 1233, 1633, 2033	**A**	Near gale warnings for areas 1, 4 & 5. In Italian and English

Maritime Radio Station: Lampedusa

Call Sign: IQN

Region: WMO REGION: VI

METAREA: III

Position: 35°30'N 12°36'E

Area Covered: Channel of Sicily (see map)

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	1 876 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0135, 0735, 1335, 1935		Near gale warnings, synopsis, 12 or 18 hour forecast and outlook for a further 12 hours for areas 10. In Italian and English. Reports (decoded FM 12 SYNOP) from meteorological observation stations in Italian.
On receipt 0333, 0833, 1233, 1633, 2033		Near gale warnings for areas 10. In Italian and English

Maritime Radio Station: Livorno

Call Sign: IPL

METAREA: III

Area Covered: Ligurian Sea, Northern and Central Tyrrhenian Sea (see map)

Region: WMO REGION: VI

Position: 43°30'N 10°20'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	1 925 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0135, 0735, 1335, 1935	**A**	Near gale warnings, synopsis, 12 or 18 hour forecast and outlook for a further 12 hours for areas 4-7. In Italian and English. Reports (decoded FM 12 SYNOP) from meteorological observation stations in Italian.
On receipt 0333, 0833, 1233, 1633, 2033	**A**	Near gale warnings for areas 4-7. In Italian and English

Maritime Radio Station: Mazara del Vallo

Call Sign: IQQ

METAREA: III

Area Covered: Channel of Sicily (see map)

Region: WMO REGION: VI

Position: 37°39'N 12°35'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 600 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0135, 0735, 1335, 1935	**A**	Near gale warnings, synopsis, 12 or 18 hour forecast and outlook for a further 12 hours for areas 10. In Italian and English. Reports (decoded FM 12 SYNOP) from meteorological observation stations in Italian.
On receipt 0333, 0833, 1233, 1633, 2033	**A**	Near gale warnings for areas 10. In Italian and English

Maritime Radio Station: Messina

Call Sign: IDF

METAREA: III

Area Covered: Southern Tyrrhenian Sea, Northern and Southern Ionian sea (see map)

Region: WMO REGION: VI

Position: 38°11'N 15°33'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 789 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0135, 0735, 1335, 1935	**A**	Near gale warnings, synopsis, 12 or 18 hour forecast and outlook for a further 12 hours for areas 8,9, 11 & 12. In Italian and English Reports (decoded FM 12 SYNOP) from meteorological observation stations in Italian.
On receipt 0333, 0833, 1233, 1633, 2033	**A**	Near gale warnings for areas 8,9, 11 & 12. In Italian and English.

Maritime Radio Station: Napoli

Call Sign: IQH

24-hour watch

METAREA: III

Area Covered: Central and Southern Tyrrhenian Sea (see map)

Region: WMO REGION: VI

Position: 40°51'N 14°14'E

Radio Address: METEO Roma

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 632 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0135, 0735, 1335, 1935	**A**	Near gale warnings, synopsis, 12 or 18 hour forecast and outlook for a further 12 hours for areas 6-9. In Italian and English Reports (decoded FM 12 SYNOP) from meteorological observation stations in Italian.
On receipt 0333, 0833, 1233, 1633, 2033	**A**	Near gale warnings for areas 6-9. In Italian and English

Maritime Radio Station: Palermo **Call Sign: IPP**

24-hour watch

Region: WMO REGION: VI

METAREA: III

Position: 38°08'N 13°23'E

Area Covered: Southern Tyrrhenian Sea, Channel of Sicily (see map)

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	1 852 kHz			
VHF	**B**	Ch 27	West Coast	Capri 40°33'N 14°15'E	
VHF	**B**	Ch 01	West Coast	Posillipo 40°41'N 14°10'E	
VHF	**B**	Ch 25	West Coast	Serra del tuono 39°55'N 15°50'E	
VHF	**B**	Ch 62	West Coast	Varco del Salice 40°19'N 15°04'E	
VHF	**C**	Ch 85	Sicilia	Forte Spuria 38°16'N 15°37'E	
VHF	**D**	Ch 61	Sicilia	Cefalu 38°01'N 13°58'E	
VHF	**D**	Ch 27	Sicilia	Sferracavallo 38°08'N 13°23'E	
VHF	**D**	Ch 84	Sicilia	Ustica 38°42'N 13°11'E	
VHF	**E**	Ch 81	Sicilian Channel	Erice 38°05'N 12°35'E	
VHF	**E**	Ch 22	Sicilian Channel	Pantelleria 36°45'N 12°00'E	
VHF	**F**	Ch 25	Sicilia	Mazara del Vallo 37°41'N 12°37'E	
VHF	**F**	Ch 26	Sicilia	Gela 37°04'N 14°15'E	
VHF	**F**	Ch 82	Sicilia	Caltabellotta 37°35'N 13°13'E	
VHF	**G**	Ch 86	Sicilia	Campo Lato Alto 37°17'N 15°12'E	
VHF	**G**	Ch 85	Sicilia	Siracusa 37°06'N 15°13'E	
VHF	**H**	Ch 21	Isole Pelagie	Grecale 31°31'N 12°38'E	
VHF	**H**	Ch 25	Isole Pelagie	Lampedusa 35°30'N 12°36'E	
VHF	**I**	Ch 62	South Coast	Capo Armi 37°57'N 15°41'E	
VHF	**I**	Ch 20	South Coast	Capo Colonna 39°02'N 17°10'E	
VHF	**I**	Ch 26	South Coast	Monte Parano 40°27'N 17°26'E	
VHF	**I**	Ch 84	South Coast	Ponta Stilo 38°26'N 16°34'E	
VHF	**J**	Ch 05	Adriatic Coast	Abate Argento 40°52'N 17°17'E	
VHF	**J**	Ch 27	Adriatic Coast	Bari 41°06'N 17°00'E	
VHF	**K**	Ch 01	Adriatic Coast	Monte Calvario 42°05'N 14°40'E	
VHF	**K**	Ch 81	Adriatic Coast	Casa D'Orso 41°42'N 15°57'E	

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt 0333, 0833, 1233, 1633, 2033	**A**	Near gale warnings for areas 8-10. In Italian and English
On receipt 0333, 0833, 1233, 1633, 2033	**A-K**	In Italian and English
0135, 0735, 1335, 1935	**A-K**	Near gale warnings, synopsis, 12 or 18 hour forecast and outlook for a further 12 hours, Italian and English on: A,D,E: for Areas 8-10; B: for Areas 6-9; C: for Areas 8, 9, 11 & 12; F, H: for Areas 10; G: for Areas 10 & 11; I: for Areas 11 & 12; J: for Areas 12 & 13; K: for Areas 13 & 14. Reports (decoded FM 12 SYNOP) from meteorological observation stations in Italian.
On receipt	**B-K**	Near gale warnings, in Italian and English, on: B: for Areas 6-9; C: for Areas 8, 9, 11 & 12; D,E: for Areas 8-10 F, H: for Areas 10; G: for Areas 10 & 11; I: for Areas 11 & 12; J: for Areas 12 & 13; K: for Areas 13 & 14.

Maritime Radio Station: Porto Torres

Call Sign: IZN

METAREA: III

Area Covered: Sea of Corsica, Sea of Sardinia, Central Tyrrhenian Sea (see map)

Region: WMO REGION: VI

Position: 40°50'N 8°24'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 719 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0135, 0735, 1335, 1935	**A**	Near gale warnings, synopsis, 12 or 18 hour forecast and outlook for further 12 hours for areas 1, 2, 6 & 7. In Italian and English. Reports (decoded FM 12 SYNOP) from meteorological observation stations in Italian.
On receipt 0303, 0803, 1203, 1603, 2003	**A**	Near gale warnings for areas 1, 2, 6 & 7. In Italian and English

Commercial Station: Radiotelevisione Italiana-Radiodue

Call Sign:

METAREA: III

Area Covered:

Region: WMO REGION: VI

Position:

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	**A**	846 kHz			
AM	**B**	936 kHz			
AM	**C**	1 035 kHz			
AM	**D**	1 116 kHz			
AM	**E**	1 188 kHz			
AM	**F**	1 314 kHz			
AM	**G**	1 431 kHz			
AM	**H**	1 449 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0621, 1432, 2223	**A-G**	Near gale warnings, synopsis, 12 or 18 hour forecast and outlook for a further 12 hours for areas 1-15. In Italian.

Maritime Radio Station: Roma **Call Sign: IAR**

24-hour watch

Region: WMO REGION: VI
Position: 41°48'N 12°31'E
Radio Address: METEO Roma

METAREA: III
Area Covered: Europe, North Africa and Near East

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 62	Sardegna	Margine Rosso 39°14'N 09°14'E	
VHF	**A**	Ch 04	Sardegna	Monte serpeddi 39°22'N 09°18'E	
VHF	**A**	Ch 82	Sardegna	P. Campu Spina 39°23'N 08°34'E	
VHF	**B**	Ch 26	Sardegna	Porto Cerve 41°08'N 09 32'E	
VHF	**B**	Ch 28	Sardegna	Monte Moro 41°06'N 09°31'E	
VHF	**B**	Ch 85	Sardegna	Monte Limbara 40°51'N 09°10'E	
VHF	**B**	Ch 26	Sardegna	Osilo 40°44'N 08°40'E	
VHF	**C**	Ch 07	West Coast	Monte Bignone 43°52'N 07°44'E	
VHF	**C**	Ch 25	West Coast	Castellaccio 44°26'N 08°56'E	
VHF	**C**	Ch 27	West Coast	Zoagli 44°19'N 09°19'E	
VHF	**D**	Ch 61	West Coast	Monte nero 43°29'N 10 21'E	
VHF	**D**	Ch 26	West Coast	Gorgona 43°26'N 09°54'E	
VHF	**E**	Ch 64	West Coast	Torre Chiaruccia 42°02'N 11°50'E	
VHF	**E**	Ch 01	West Coast	Monte Argentario 42 23'N 11°10'E	
VHF	**F**	Ch 25	West Coast	Monte Cavo 41°45'N 12°43'E	
VHF	**G**	Ch 65	Adriatic Coast	Silvi 42°34'N 14°06'E	
VHF	**H**	Ch 87	Adriatic Coast	Monte Secco 42 58'N 13°53'E	
VHF	**H**	Ch 02	Adriatic Coast	Monte Conero 43°33'N 13°36'E	
VHF	**H**	Ch 25	Adriatic Coast	Forte Garibaldi 43°36'N 13°32'E	
VHF	**H**	Ch 27	Adriatic Coast	Ravenna 44°25'N 12°12'E	
VHF	**H**	Ch 26	Adriatic Coast	Monte Cero 45°15'N 11°40'E	
VHF	**H**	Ch 01	Adriatic Coast	Piancavallo 46°05'N 12°32'E	
VHF	**I**	Ch 83	Adriatic Coast	Conconello 45°40'N 13°48'E	

Broadcast Times	Frequency ID	Contents of Broadcast
0303, 0803, 1203, 1603, 2003	**A, B**	In Italian and English
0135, 0735, 1335, 1935	**A-I**	Near gale Warnings, synopsis, 12 or 18 hour forecast and outlook for a further 12 hours on: A: for areas 2, 3, 6-9; B: for areas 1, 2, 6 & 7; C: for areas 1, 4 & 5; D: for areas 4-7; E: for areas 5-9; F: for areas 5-7; G: for areas 13 & 14; H,I: for areas 14 & 15. In Italian and English
On receipt	**A-I**	Near gale Warnings on: A: for areas 2, 3, 6-9; B: for areas 1, 2, 6 & 7; C: for areas 1, 4 & 5; D: for areas 4-7; E: for areas 5-9; F: for areas 5-7; G: for areas 13 & 14; H,I: for areas 14 & 15. In Italian and English
0333, 0833, 1233, 1633, 2033	**C, D, I**	In Italian and English
0533, 0933, 1333, 1833, 2333	**E, F**	In Italian and English.
0433, 0933, 1333, 1733, 2133	**G, H**	In Italian and English.

Navtex Station: Roma

Call Sign: IAR

24-hour watch

METAREA: III

Area Covered: Europe, North Africa and Near East

Region: WMO REGION: VI

Position: 41°48'N 12°31'E

Radio Address: METEO Roma

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[R]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0250, 0650, 1050, 1450, 1850, 2250	[R]	Storm warnings. In English.
0650, 1850	[R]	Weather forecasts. In English.

Maritime Radio Station: San Benedetto del Tronto

Call Sign: IQP

METAREA: III

Area Covered: Central Adriatic Sea (see map)

Region: WMO REGION: VI

Position: 42°57'N 13°53'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	1 855 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0135, 0735, 1335, 1935	A	Near gale warnings, synopsis, 12 or 18 hour forecast and outlook for a further 12 hours for areas 14 & 15. In Italian and English. Reports (decoded FM 12 SYNOP) from meteorological observation stations in Italian.
On receipt 0433, 0933, 1333, 1733, 2133	A	Near gale warnings for areas 14 & 15. In Italian and English.

Maritime Radio Station: Trieste

Call Sign: IQX

24-hour watch

Region: WMO REGION: VI
METAREA: III
Position: 45°41'N 13°46'E
Area Covered: Northern and Central Adriatic Sea (see map)
Radio Address: METEO Roma

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	2 624 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0135, 0735, 1335, 1935	A	Near gale warnings, synopsis, 12 or 18 hour forecast and outlook for a further 12 hours for areas 14 & 15. In Italian and English. Reports (decoded FM 12 SYNOP) from meteorological observation stations in Italian.
On receipt 0433, 0933, 1333, 1733, 2133	A	Near gale warnings for areas 14 & 15.

Navtex Station: Trieste

Call Sign:

Region: WMO REGION: VI
METAREA: III
Position: 45°41'N 13°46'E
Area Covered: Northern and Central Adriatic Sea (see map)
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[U]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0720, 1920	[U]	Weather forecasts. In English.
0320, 0720, 1120, 1520, 1920, 2320	[U]	Storm warnings. In English.

Marine Rescue Co-ordination Centre: Kingston, Jamaica Coast Guard (MRCC) **Call Sign:**

Region: WMO REGION: IV

METAREA: IV

Position:

Area Covered:

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	8 291 kHz			
VHF	**B**	Ch 13			

Broadcast Times	Frequency ID	Contents of Broadcast
1330, 1830	**A**	Synopsis for SW, NW and E Caribbean, and forecasts for coastal waters of Jamaica.
H+00	**A**	Hurricane and tropical storms which are imminent, affecting Jamaica only.
1330, 1830	**A, B**	
0130, 1430, 1930	**B**	Synopsis for SW, NW and E Caribbean, and forecasts for coastal waters of Jamaica.
H+30	**B**	Hurricane and tropical storms which are imminent, affecting Jamaica only.

Marine Rescue Co-ordination Centre: Hiroshima (JCG MRCC)

Call Sign:

METAREA: XI

Area Covered:

Region: WMO REGION: II

Position: 34°23'N 132°20°E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 16			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt 1015, 1615 LT	A	Local warnings. In Japanese and English.

Marine Rescue Co-ordination Centre: Ishigaki (JCG MRCC)

Call Sign:

METAREA: XI

Area Covered:

Region: WMO REGION: II

Position: 24°20'N 124°09'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 16			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt 1033, 1633 LT	A	Local warnings. In Japanese and English.

Marine Rescue Co-ordination Centre: Kagoshima (JCG MRCC)

Call Sign:

METAREA: XI

Area Covered:

Region: WMO REGION: II

Position: 31°33'N 130°33'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 16			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt 1020, 1620 LT	A	Navigational warnings: Local warnings. In Japanese and English.
On receipt	A	Storm warnings.

Marine Rescue Co-ordination Centre: Kobe (JCG MRCC)

Call Sign:

METAREA: XI

Area Covered:

Region: WMO REGION: II

Position: 34°27'N 134°55'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 16			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt 1033, 1633 LT	A	Navigational warnings: Local warnings. In Japanese and English.
On receipt	A	Storm warnings. In Japanese and English.

Navtex Station: Kushiro **Call Sign:**

METAREA: XI
Area Covered: West Pacific/Sea of Japan

Region: WMO REGION: II
Position: 42°57'N 144°36'E
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[K]	490 kHz			
MSI	[K]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0908, 1308 (January-April)	[K]	Navigational warnings: Ice reports for the southern part of Okhotskoye More and E coast of Kokkaido. Drifting ice in Japan sea and North Pacific Ocean. In Japanese.
0108, 0508, 0908, 1308, 1708, 2108	[K]	Storm warnings, gale warnings, near gale warnings, fog (visibility) warnings, synopsis, 12 and 24 hour forecast (only for typhoon) for Areas 2, 4, 5, 7 -12. In Japanese. Navigational warnings: Tsunami warnings and advice from the Tsunami Warnings Centres. In Japanese.
0940, 1340 (January-April)	[K]	Navigational warnings: Ice reports for the southern part of Okhotskoye More and E coast of Kokkaido. Drifting ice in Japan sea and North Pacific Ocean. In English.
0140, 0540, 0940, 1340, 1740, 2140	[K]	Storm warnings, gale warnings, near gale warnings, fog (visibility) warnings, synopsis, 12 and 24 hour forecast (only for typhoon) for Areas 2, 4, 5, 7 -12. In English. Navigational warnings: Tsunami warnings and advice from the Tsunami Warnings Centres. In English.

Note:
All 424 kHz broadcasts are transmitted on low power for local coverage.

Marine Rescue Co-ordination Centre: Kushiro (JCG MRCC)

Call Sign:

METAREA: XI

Area Covered:

Region: WMO REGION: II

Position: 42°59'N 144°23'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 16		Konbumori 42°57'N 144°32'E	
VHF	B	Ch 16		Hagigaoka 45°23'N 141°44'E	

Broadcast Times	Frequency ID	Contents of Broadcast
1025, 1625 LT	A	Navigational warnings: Local warnings for the Kushiro district. In Japanese and English.
On receipt	A, B	Storm warnings for Hakodate. In Japanese and English. Navigational warnings: Local warnings. In Japanese and English.
1003, 1603 LT	B	Navigational warnings: Local warnings for the Wakkanai district. In Japanese and English.

Marine Rescue Co-ordination Centre: Maizuru (JCG MRCC)

Call Sign:

METAREA: XI

Area Covered:

Region: WMO REGION: II

Position: 35°27'N 135°19'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 16			

Broadcast Times	Frequency ID	Contents of Broadcast
1020, 1620 LT	A	Weather bulletins. In Japanese and English. Navigational warnings: Local warnings. In Japanese and English.
On receipt	A	Storm warnings. In Japanese and English.

Navtex Station: Moji

Call Sign:

METAREA: XI

Area Covered: West Pacific/Sea of Japan

Region: WMO REGION: II

Position: 34°01'N 130°56'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[H]	490 kHz			
MSI	[H]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0017, 0417, 0817, 1217, 1617, 2017	[H]	Storm warnings, gale warnings, near gale warnings, fog (visibility) warnings, synopsis, 12 and 24 hour forecast (only for typhoon) for Areas 13, 16-19, 25, 26, 28-30, 32 and 33. In Japanese. Navigational warnings: Tsunami warnings and advice from the Tsunami Warnings Centres. In Japanese.
0110, 0510, 0910, 1310, 1710, 2110	[H]	Storm warnings, gale warnings, near gale warnings, fog (visibility) warnings, synopsis, 12 and 24 hour forecast (only for typhoon) for Areas 13, 16-19, 25, 26, 28-30, 32 and 33. In English. Navigational warnings: Tsunami warnings and advice from the Tsunami Warnings Centres. In English.

Note:
All 424 kHz broadcasts are transmitted on low power for local coverage.

Marine Rescue Co-ordination Centre: Moji (JCG MRCC)

Call Sign:

METAREA: XI

Area Covered:

Region: WMO REGION: II

Position: 33°52'N 130°35'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 16			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt 1003, 1603 LT	A	Navigational warnings: Local warnings. In Japanese and English.
On receipt	A	Storm warnings. In Japanese and English.

Marine Rescue Co-ordination Centre: Nagoya (JCG MRCC)

Call Sign:

Region: WMO REGION: II
Position: 35°04'N 136°40'E
Radio Address:

METAREA: XI
Area Covered:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 16			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt 1010, 1610 LT	A	Navigational warnings: Local warnings. In Japanese and English.
On receipt	A	Storm warnings. In Japanese and English.

Navtex Station: Naha

Call Sign:

Region: WMO REGION: II
Position: 26°05'N 127°40'E
Radio Address:

METAREA: XI
Area Covered: West Pacific/Sea of Japan

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[G]	490 kHz			
MSI	[G]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0000, 0400, 0800, 1200, 1600, 2000	[G]	Storm warnings, gale warnings, near gale warnings, fog (visibility) warnings, synopsis, 12 and 24 hour forecast (only for typhoon) for Areas 26, 27 and 30-37. In Japanese. Navigational warnings: Tsunami warnings and advice from the Tsunami Warnings Centres. In Japanese.
0100, 0500, 0900, 1300, 1700, 2100	[G]	Storm warnings, gale warnings, near gale warnings, fog (visibility) warnings, synopsis, 12 and 24 hour forecast (only for typhoon) for Areas 26, 27 and 30-37. In English. Navigational warnings: Tsunami warnings and advice from the Navigational warnings: Tsunami Warnings Centres. In English.

Note:
All 424 kHz broadcasts are transmitted on low power for local coverage.

Marine Rescue Co-ordination Centre: Naha (JCG MRCC)

Call Sign:

METAREA: XI

Area Covered:

Region: WMO REGION: II

Position: 26°09'N 127°46'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 16			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt 1010, 1610 LT	A	Navigational warnings: Local warnings. In Japanese and English.
On receipt	A	Storm warnings. In Japanese and English.
On receipt 1010, 1610 LT	A	Navigational warnings: Local warnings. In Japanese and English.
On receipt	A	Storm warnings for Okinawa. In Japanese and English.

Marine Rescue Co-ordination Centre: Niigata (JCG MRCC)

Call Sign:

METAREA: XI

Area Covered:

Region: WMO REGION: II

Position: 37°55'N 139°03'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 16			

Navtex Station: Otaru

Call Sign:

METAREA: XI

Area Covered: West Pacific/Sea of Japan

Region: WMO REGION: II

Position: 43°19'N 140°27'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[J]	490 kHz			
MSI	[J]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0851, 1251 (January-April)	[J]	Navigational warnings: Ice reports - drifting ice in Japan Sea and North Pacific ocean. In Japanese.
0051, 0451, 0851, 1251, 1651, 2051	[J]	Storm warnings, gale warnings, near gale warnings, fog (visibility) warnings, synopsis, 12 and 24 hour forecast (only for typhoon) for Areas 1, 3, 4, 6, 7 and 13-16. In Japanese. Navigational warnings: Tsunami warnings and advice from the Tsunami Warnings Centres. In Japanese.
0930, 1330 (January-April)	[J]	Navigational warnings: Ice reports - drifting ice in Japan Sea and North Pacific ocean. In English.
0130, 0530, 0930, 1330, 1730, 2130	[J]	Storm warnings, gale warnings, near gale warnings, fog (visibility) warnings, synopsis, 12 and 24 hour forecast (only for typhoon) for Areas 1, 3, 4, 6, 7 and 13-16. In English. Navigational warnings: Tsunami warnings and advice from the Tsunami Warnings Centres. In English.

Note:
All 424 kHz broadcasts are transmitted on low power for local coverage.

Marine Rescue Co-ordination Centre: Otaru (JCG MRCC)

Call Sign:

METAREA: XI

Area Covered:

Region: WMO REGION: II

Position: 43°12'N 141°00'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 16			

Broadcast Times	Frequency ID	Contents of Broadcast
1033, 1633 LT	A	Navigational warnings: Local warnings for the Hakodate district. In Japanese and English.
On receipt	A, B	Storm warnings for Hakodate and Sapporo. Navigational warnings: Local warnings. In Japanese and English.
1010, 1610 LT	B	Navigational warnings: Local warnings for the Hakodate district. In Japanese and English.

Marine Rescue Co-ordination Centre: Sasebo (JCG MRCC) **Call Sign:**

METAREA: XI
Area Covered:

Region: WMO REGION: II
Position: 33°09'n 129°44'E
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 16			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt 1015, 1615 LT	**A**	Navigational warnings: Local warnings. In Japanese and English.
On receipt	**A**	Storm warnings for Nagasaki. In Japanese and English.

Marine Rescue Co-ordination Centre: Shiogama (JCG MRCC) **Call Sign:**

METAREA: XI
Area Covered:

Region: WMO REGION: II
Position: 38°19'N 141°02'E
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 16		Komagamine 38°18'N 141°32'E	
VHF	**A**	Ch 16		Ryourizaki 39°02'N 141°51'E	
VHF	**A**	Ch 16		Same 40°29'N 141°36'E	
VHF	**A**	Ch 16		Hokkoku 41°17'N 141°07'E	
VHF	**A**	Ch 16		Kagura 37°13'N 140°49'E	
VHF	**A**	Ch 16		Jyunishin 39°32'N 141°58'E	
VHF	**A**	Ch 16		Kodomari 41°08'N 140°19'E	
VHF	**A**	Ch 16		Kodomari 41°08'N 140°19'E	
VHF	**A**	Ch 16		Iwaya 41°23'N 141°26'E	
VHF	**B**	Ch 16		Atsumi 38°37'N 139°38'E	
VHF	**B**	Ch 16		Ojika 39°54'N 139°45'E	

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt	**A**	Storm warnings for Sendai district. In Japanese and English.
On receipt	**A, B**	Navigational warnings: Local warnings. In Japanese and English.
1033, 1633 LT	**B**	Navigational warnings: Local warnings for the Shiogama district. In Japanese and English.
1025, 1625 LT	**B**	Navigational warnings: Local warnings for the Akita district. In Japanese and English.

Marine Rescue Co-ordination Centre: Yokohama (JCG MRCC)

Call Sign:

METAREA: XI

Area Covered: West Pacific/Sea of Japan

Region: WMO REGION: II

Position: 35°14'N 139°55'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 16			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt 1020, 1620 LT	A	Navigational warnings: Local warnings. In Japanese and English.
On receipt	A	Storm warnings for Tokyo. In Japanese and English.

Navtex Station: Yokohama (JCG MRCC)

Call Sign:

METAREA: XI

Area Covered: West Pacific/Sea of Japan

Region: WMO REGION: II

Position: 35°14'N 139°55'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[I]	490 kHz			
MSI	[I]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0034, 0434, 0834, 1234, 1634, 2034	[I]	Storm warnings, gale warnings, near gale warnings, fog (visibility) warnings, synopsis, 12 and 24 hour forecast (only for typhoon) for Areas 11, 12, 20-24, 26 and 27. In Japanese. Navigational warnings: Tsunami warnings and advice from the Tsunami Warnings Centres. In Japanese.
0120, 0520, 0920, 1320, 1720, 2120	[I]	Storm warnings, gale warnings, near gale warnings, fog (visibility) warnings, synopsis, 12 and 24 hour forecast (only for typhoon) for Areas 11, 12, 20-24, 26 and 27. In English. Navigational warnings: Tsunami warnings and advice from the Tsunami Warnings Centres. In English.

Note:
All 424 kHz broadcasts are transmitted on low power for local coverage.

JERSEY

Call Sign Series:

Commercial Station: BBC Radio Jersey

Call Sign:

Region: WMO REGION: VI
METAREA: I
Position:
Area Covered: Channel Islands (UK)
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	**A**	1 026 kHz		Trinity	
FM	**B**	88.8 MHz		Les Platons	

Broadcast Times	Frequency ID	Contents of Broadcast
Mon-Fri: 0725, 0625, 1825 LT Sat, Sun: 0725 LT	**A, B**	Shipping forecast for local waters around Jersey.
Mon-Fri: 0725, 0825, 1325, 1725 LT Sat, Sun: 0825 LT	**A, B**	Wind information for local waters around Jersey. Navigational warnings: tidal information for local waters around Jersey.

Marine Rescue Co-ordination Centre: Jersey Radio

Call Sign:

Region: WMO REGION: VI
METAREA: I
Position: 49°11'N 02°14'W
Area Covered: Channel Islands (UK)
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 25, 82(1)			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt 0433, 0833, 1633, 2033	**A**	Navigational warnings: For Channel Islands.
0645(2), 0745(2), 0845(2), 1245, 1845, 2245 On request	**A**	Near gale warnings, synopsis, 24 hour forecst and outlook for a further 24 hours for Channel Islands; S of 50°N, E of 3°W. Reports from meteorological observation stations.
On receipt 0307, 0907, 1507, 2107	**A**	Near gale warnings for Channel Islands; S of 50°N, E of 3°W.

Call Sign Series:

Marine Rescue Co-ordination Centre: Saint Helier Pierheads

Call Sign:

METAREA: I

Area Covered: Channel Islands (UK)

Region: WMO REGION: VI

Position: 49°11'N 02°06'W

Radio Address:

Broadcast Times	Frequency ID	Contents of Broadcast
Continuous broadcast	A	Automatic wind information broadcast every 2 minutes, comprising 10 minute mean wind speed / gust / direction.

Maritime Radio Station: Saint Helier Pierheads

Call Sign:

METAREA: I

Area Covered: Channel Islands (UK)

Region: WMO REGION: VI

Position: 49°11'N 02°06'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 18			

Broadcast Times	Frequency ID	Contents of Broadcast
Continuous broadcast	A	Automatic wind information broadcast every 2 minutes, comprising 10 minute mean wind speed / gust / direction.

Maritime Radio Station: 'Aqaba **Call Sign:**

METAREA: IX

Area Covered:

Region: WMO REGION: VI

Position: 29°33'N 35°00'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 22			

Broadcast Times	Frequency ID	Contents of Broadcast
0815, 1815	**A**	Situation, forecast, wind and sea state, temperature and pressure tendencies for Gulf of Aqaba. In English.

Maritime Radio Station: Tarawa **Call Sign:**

Region: WMO REGION: V
Position: 01°21'N 172°55'E
Radio Address:

METAREA: XI
Area Covered:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	**A**	4 388.4 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
Every even H+00	**A**	Gale warning, forecast for local waters.

Maritime Radio Station: Al Kuwayt (Kuwait) **Call Sign: 9KK**

METAREA: IX
Area Covered: Coastal area of Kuwait

Region: WMO REGION: II
Position: 29°23'N 47°39'E
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 750 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0530, 1730	**A**	12 hour forecast for coastal waters of Kuwait. In English.

Note: Station reported temporarily inoperative (June 2004)

Marine Rescue Co-ordination Centre: Riga Rescue Radio (MRCC) **Call Sign:**

24-hour watch

Region: WMO REGION: VI

METAREA: I

Position: 57°02'N 24°05'E

Area Covered:

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 71			

Broadcast Times	Frequency ID	Contents of Broadcast
0703, 1503 LT On request	**A**	In Latvian and English.
0703, 1503 LT (after navigational warnings) On request	**A**	Gale warnings and weather forecasts. In Latvian and English.
On receipt H+03, H+33	**A**	Gale warnings. In Latvian and English.

Note: after prior announcement on VHF Ch 16 and 70 (DSC).

Maritime Radio Station: Tarabulus (Tripoli) **Call Sign: 5AT**

24-hour watch

METAREA: III

Area Covered:

Region: WMO REGION: I
Position: 32°54'N 13°11'E
Radio Address: METEO Tripoli

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 182 kHz			
RT (MF)	**B**	2 197 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt 0903, 1903	**A**	For area between 10°E to 25°E and Libyan coast to 34°N.
0833, 1733	**B**	Navigational warnings: For area between 10°E to 25°E and Libyan coast to 34°N.

Maritime Radio Station: Klaipeda (Radio 5) Klaipeda State Seaport Authority Harbour Master Office **Call Sign: VTS**

24-hour watch

Region: WMO REGION: VI
Position: 55°43'N 21°07'E
Radio Address:

METAREA: I
Area Covered: South-Eastern Baltic Sea

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 16			H24
VHF	**A**	Ch 09			H24

Broadcast Times	Frequency ID	Contents of Broadcast
On request	**A**	Forecasts and gale warnings for Southeastern Baltic Sea and the port of Klaipeda areas(in Lithuanian, English, Russian)

Commercial Station: Emissora de Radiodifusão de Macau **Call Sign:**

Region: WMO REGION: II
METAREA: XI
Position:
Area Covered: Coast of Macau
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	**A**	900 kHz			
AM	**B**	1 200 kHz			
FM	**C**	98.0 MHz			

Broadcast Times	Frequency ID	Contents of Broadcast
1000	**A, B**	Synopsis, 24 hour forecast for coast of Macau. In Chinese.
0000, 0600, 1300	**A, B**	Synopsis, 24 hour forecast for coast of Macau. In Portuguese.
H+00, H+30	**C**	Storm warnings for coast of Macau. In Portuguese and Chinese.

NOTE: Broadcasts given 1 hour earlier from June to October.

Commercial Station: Radiodiffusion de Madagascar **Call Sign:**

Region: WMO REGION: I

METAREA: VII

Position:

Area Covered: Sea areas from 10°S-30°S between the coast and 60°E, and from 5°S to 30°S between 60°E and 70°E.

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	**A**	2 495 kHz			
AM	**A**	1 502 kHz			
AM	**A**	1 394 kHz			
AM	**B**	7 155 kHz			
AM	**B**	6 135 kHz			
AM	**B**	5 010 kHz			
AM	**B**	3 288 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0430	**A, B**	Storm warnings and weather bulletin for coastal waters of madagascar up to 50 n miles offshore. In French.
0900, 1530	**A, B**	12 hour weather situation at 0900 and 24 hour weather situation at 1530 for coastal waters of Madagascar up to 50 n miles offshore. In French.
0300-2100	**B**	Cyclone warnings for area 10°S-30°S, 40°E-55°E in French. In French.

MADEIRA (PORTUGAL)

Call Sign Series:

Marine Rescue Co-ordination Centre: Porto Santo (Radionaval)

Call Sign:

Region: WMO REGION: I

METAREA: II

Position: 33°04'N 16°21'E

Area Covered: AREA 1: Coasts of Madeira within 20 nautical miles off the coast.

Radio Address:

AREA 2:Eastern North Atlantic waters for: Sub-Zone 8: MADEIRA; Sub-Zone 21: CASABLANCA; Sub-Zone 22: AGADIR

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 11			
	B	2 657 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
1030, 1630	**A**	AREA 1: · Navigation warnings;· Gale, Storm and Poor Visibility warnings;· For 0705 (1905) broadcast: Synopsis of 00 (12) and Forecasts (wind, visibility, significant weather, sea and swell) valid for 24 hours from 06 (18). In Portuguese.
0735, 1935	**B**	AREA 2: · Navigation warnings within 200 nautical miles offshore coast of Madeira; Gale, Storm and Poor Visibility warnings;· For 0705 (1905) broadcast: Synopsis of 00 (12) and Forecasts (wind, visibility, significant weather, sea and swell) valid for 24 hours from 06 (18). In Portuguese.
0735, 1935	**B**	AREA 1: · Navigation warnings;· Gale, Storm and Poor Visibility warnings;· For 0705 (1905) broadcast: Synopsis of 00 (12) and Forecasts (wind, visibility, significant weather, sea and swell) valid for 24 hours from 06 (18). In Portuguese repeated in English.

Navtex Station: Miri (Sarawak)

Call Sign:

METAREA: XI

Area Covered:

Region: WMO REGION: V

Position: 04°26'N 114°01'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[T]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0310, 0710, 1110, 1510, 1910, 2310	[T]	In English.
0310, 1510	[T]	In English.

Navtex Station: Penang

Call Sign:

METAREA: XI

Area Covered:

Region: WMO REGION: V

Position: 05°25'N 100°24'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[U]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0320, 0720, 1120, 1520, 1920, 2320	[U]	In English.
0320, 1520	[U]	In English.

Navtex Station: Sandakan (Sabah) **Call Sign:**

METAREA: XI

Area Covered:

Region: WMO REGION: V

Position: 5°54'N 118°00'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[S]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0300, 0700, 1100, 1500, 1900, 2300	[S]	In English.
0300, 1500	[S]	In English.

Navtex Station: Malta Radio **Call Sign:**

METAREA: III

Area Covered: Malta and 50 nautical mile radius

Region: WMO REGION: VI

Position: 35°49'N 14°32'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[O]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0220, 0620, 1020, 1420, 1820, 2220	[O]	Navigational warnings: Local and NAVAREA III warnings for central Mediterranean up to 10 days old are broadcast Mon-Sat. All warnings still in force are broadcast on Sun. In English.
0620, 1820	[O]	Gale warnings, synopsis, 12 hour forecast for coastal waters of Malta up to 50 n miles offshore. In English.

Marine Rescue Co-ordination Centre: Malta Radio (RCC) **Call Sign: 9HD**

H24

Region: WMO REGION: VI

METAREA: III

Position: 35°49'N 14°32'E

Area Covered: Malta and 50 nautical mile radius

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 625 kHz			
VHF	**B**	160.65 MHz			
VHF	**C**	160.7 MHz			
VHF	**D**	160.75 MHz			
VHF	**E**	160.8 MHz			

Broadcast Times	Frequency ID	Contents of Broadcast
2103	**A-E**	Gale, Moderate Gregale, Strong Gregale and Scend warnings are broadcast at end of the next silence period after receipt and at the nearest schedule time. Inference. Forecast for area valid 0600 -1800 UTC. In English.
1603	**A-E**	Gale, Moderate Gregale, Strong Gregale and Scend warnings are broadcast at end of the next silence period after receipt and at the nearest schedule time. Inference. Forecast for area valid 0600 -1800 UTC. In English.
1003	**A-E**	Gale, Moderate Gregale, Strong Gregale and Scend warnings are broadcast at end of the next silence period after receipt and at the nearest schedule time. Inference. Forecast for area valid 0600 -1800 UTC. In English.
0603	**A-E**	Gale, Moderate Gregale, Strong Gregale and Scend warnings are broadcast at end of the next silence period after receipt and at the nearest schedule time. Inference. Forecast for area valid 0600 -1800 UTC. In English.

Marine Rescue Co-ordination Centre: ADRASEC (Martinique)

Call Sign:

Region: WMO REGION: IV

METAREA: IV

Position:

Area Covered: Area 1: 25 miles around the coast
Area 2: 10°N-20°N, 50°W-70°W.
Area 3: 10°N-20°N, 50°W-65°W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	**A**	3 700 kHz			1 Jul - 31 Oct
AM	**B**	7 050 kHz			1 Jul - 31 Oct

Broadcast Times	Frequency ID	Contents of Broadcast
0003	**A, B**	Area 2: Special advisories or bulletins. Dangerous meteorological phenomena. Area 3: Marine bulletin for the high seas: Storm warnings, weather summary, forecast for 24 hours from Trinidad to the Virgin Islands. In French.

Operational during cyclone season only 1 July-31 October

Commercial Station: Fort-de-France (RFI Martinique)

Call Sign: FFQ, FFP

Region: WMO REGION: IV

METAREA: IV

Position:

Area Covered: Area 1: 25 miles around the coast.
Area 2: 10°N-20°N, 50°W-70°W.
Area 3: 10°N-20°N, 57°W-65°W.

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	**A**	6 175 kHz			
AM	**B**	13 640 kHz			
AM	**C**	15 300 kHz			
AM	**D**	17 570 kHz			
AM	**E**	21 645 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
1130	**A-E**	AREA 3: Marine bulletin for the high seas: Storm warnings, weather summary, forecast for north Atlantic, included West Indies. In French.

Marine Rescue Co-ordination Centre: Martinique (CROSSAG) **Call Sign:**

Region: WMO REGION: IV
Position:
Radio Address:

METAREA: IV

Area Covered: Area 1: 25 miles around the coast.
Area 2: 10°N-20°N, 50°W-70°W.
Area 3: 10°N-20°N, 57°W-65°W.

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	**G**	Call:2182 Bcst:2545	Martinique	Martinique 14°36'N 61°04'W	
FM	**H**	Ch 11	Martinique		
FM	**I**	Call:Ch16 Bcst:Ch26	Martinique		
FM	**J**	Ch 80	Martinique	La Caravelle 14°45'N 60°55'W	
FM	**J**	Ch 64	Martinique	Grand-Rivière 14°52'N 61°11'W	
FM	**J**	Ch 80	Martinique	Bigot-Bellefontaine 14°41'N 61°08'W	
FM	**J**	Ch 79	Martinique	Le Marin 14°27'N 61°54'W	
FM	**K**	Call:Ch16 Bcst:Ch25	Martinique		

Broadcast Times	Frequency ID	Contents of Broadcast
1333, 2215	**G**	AREA 3: Marine bulletin for the high seas: Storm warnings, weather summary, forecast for 24 hours from Trinidad to the Virgin Islands. Answering machine available at : 08 92 68 08 08. In French and English.
1200-0000 every 2 hours	**G**	AREA 2 & 3: Special advisories or bulletins. Dangerous meteorological phenomena. In French and English.
1100-2300 H+30	**G-I**	AREA 1: Special advisories or bulletins. Dangerous meteorological phenomena. In French.
1530, 2300, 0100	**H,I**	AREA 1: Marine bulletin for coastal areas: Storm warnings, weather summary, forecast for 24 hours, last observations, hours for tides. Answering machine available at : 08 92 68 08 08. In French.
1100-2300 H+30	**H,I**	AREA 3: Special advisories or bulletins. Dangerous meteorological phenomena. In French and English.
1100-2300 H+33	**H,K**	AREA 2: Special advisories or bulletins. Dangerous meteorological phenomena. In French and English.
1120-1450-2220-0020; 1130-1500-2230-0030; 1140-1510-2240-0040; 1150-1520-2250-0050;	**J**	AREA 1: Marine bulletin for coastal areas: Storm warnings, weather summary, forecast for 24 hours, last observations, hours for tides. Answering machine available at: 08 92 68 08 08. In French.

CROSSAG = Centre Régional Opérationnel de Surveillance et de Sauvetage Antilles Guyane)

Commercial Station: Radio-France Outre-Mer (RFO), Martinique **Call Sign: FFP**

Region: WMO REGION: IV
Position:
Radio Address:

METAREA: IV

Area Covered: Area 1: 25 miles around the coast.
Area 2: 10°N-20°N, 50°W-70°W.
Area 3: 10°N-20°N, 57°W-65°W.

Mode Of Transmission	ID	Frequency	Area/International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	**A**	640 kHz			
	B	1 420 kHz			
FM	**C**	92.0 MHz			
FM	**D**	93.2 MHz			
FM	**E**	94.0 MHz			
FM	**F**	94.3 MHz			
FM	**G**	94.5 MHz			

Broadcast Times	Frequency ID	Contents of Broadcast
1115	**A-G**	AREA 1: Marine bulletin for coastal areas: Storm warnings, weather summary, forecast for 24 hours, last observations, hours for tides. Answering machine available at: 08 92 68 08 08.
1133, 2227, 2303	**A-G**	AREA 3: Marine bulletin for the high seas: Storm warnings, weather summary, forecast for 24 hours from Trinidad to the Virgin Islands. Answering machine available at: 08 92 68 08 08. In French.

Navtex Station: Mauritius

Call Sign:

METAREA: VIII(S)

Area Covered: Indian Ocean (see map).

Region: WMO REGION: I

Position: 20°10'S 57°28'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[C]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0020, 0420, 0820, 1220, 1620, 2020	[C]	Warnings, synopsis and 24 hour forecast for Areas 8A1 to 8A7. In English.

(1) The frequency for the preliminary call and announcement of meteorological bulletins is 500 kHz. Meteorological bulletins are transmitted on 421 kHz.
(2) In effect only when a tropical cyclone affects the area.

Maritime Radio Station: Port Louis Harbour

Call Sign: 3BB

24-hour watch

METAREA: VIII(S)

Area Covered: Sea areas from 10°S to 30°S between 50°E and 60°E, and from the Equator to 30°S between 60°E and 90°E.

Region: WMO REGION: I

Position:

Radio Address: METEO Mauritius

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 14 (1)			
RT (HF)	B	4 402 kHz (2)			

Broadcast Times	Frequency ID	Contents of Broadcast
0205, 1405	A	For local fishing vessels, in the vicinity of the Nazareth Bank (14°S 60°40'E) and the Saya de Malha Bank (10°00'S 61°00'E). In English.
On receipt Repeated every 2 hours	A, B	Cyclone warnings: for areas 8A1-8A7. In English.
0433, 1233, 1603	B	In English.
0115, 0730(3), 1315, 1930(3)	B	Warnings, synopsis and forecast for Areas 8A1-8A7. In English.

(1) After announcement on Ch 16.
(2) After announcement on 2 182 kHz.
(3) Only when cyclone warning is in force.

Maritime Radio Station: Acapulco

Call Sign: XFA

METAREA: XII

Area Covered: Pacific coast

Region: WMO REGION: IV

Position: 16°50'N 99°56'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	A	8 514 kHz			
VHF	B	Ch 25			
VHF	C	Ch 26			

Broadcast Times	Frequency ID	Contents of Broadcast
0335, 0935, 1535	A, C	
0335, 0935, 1535	B	Weather messages for shipping.

Maritime Radio Station: Chetumal

Call Sign: XFP

METAREA: IV

Area Covered: Gulf coast

Region: WMO REGION: IV

Position: 18°30'N 88°17'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	A	8 514 kHz			
VHF	B	Ch 26			

Broadcast Times	Frequency ID	Contents of Broadcast
0335, 0935, 1535	A, B	Weather messages for shipping.

Maritime Radio Station: Ciudad del Carmen

Call Sign: XFB

METAREA: IV

Area Covered: Gulf coast

Region: WMO REGION: IV

Position: 18°39'N 91°50'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	A	8 514 kHz			
VHF	B	Ch 26			

Broadcast Times	Frequency ID	Contents of Broadcast
0335, 0935, 1535	A, B	Weather messages for shipping.

Maritime Radio Station: Coatzacoalcos

Call Sign: XFF

METAREA: IV

Area Covered: Gulf coast

Region: WMO REGION: IV

Position: 18°09'N 94°26'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	A	8 514 kHz			
VHF	B	Ch 26			

Broadcast Times	Frequency ID	Contents of Broadcast
0335, 0935, 1535	A, B	Weather messages for shipping.

Maritime Radio Station: Cozumel

Call Sign: XFC

METAREA: IV

Area Covered: Gulf coast

Region: WMO REGION: IV

Position: 20°28'N 86°58'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	A	8 514 kHz			
VHF	B	Ch 26			

Broadcast Times	Frequency ID	Contents of Broadcast
0335, 0935, 1535	A, B	Weather messages for shipping.

Maritime Radio Station: Ensenada

Call Sign: XFE

METAREA: XII

Area Covered: Pacific coast

Region: WMO REGION: IV

Position: 31°51'N 102°12'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	A	8 514 kHz			
VHF	B	Ch 25			
VHF	C	Ch 26			

Broadcast Times	Frequency ID	Contents of Broadcast
0335, 0935, 1535	A, C	
0335, 0935, 1535	B	Weather messages for shipping.

Maritime Radio Station: Lazaro Cardenas

Call Sign:

METAREA: XII

Area Covered: Pacific coast

Region: WMO REGION: IV

Position: 17°51'N 102°12'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	A	8 514 kHz			
VHF	B	Ch 25			
VHF	C	Ch 26			

Broadcast Times	Frequency ID	Contents of Broadcast
0335, 0935, 1535	A, C	
0335, 0935, 1535	B	Weather messages for shipping.

Maritime Radio Station: Manzanillo

Call Sign: XFM

METAREA: XII

Area Covered: Pacific coast

Region: WMO REGION: IV

Position: 19°01'N 104°19'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	A	8 514 kHz			
VHF	B	Ch 25			
VHF	C	Ch 26			

Broadcast Times	Frequency ID	Contents of Broadcast
0335, 0935, 1535	A, C	
0335, 0935, 1535	B	Weather messages for shipping.

Maritime Radio Station: Mazatlán

Call Sign: XFL

Region: WMO REGION: IV
Position: 23°10'N 106°26'W
Radio Address:

METAREA: XII
Area Covered: Pacific coast

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	A	8 514 kHz			
VHF	B	Ch 25			
VHF	C	Ch 26			

Broadcast Times	Frequency ID	Contents of Broadcast
0335, 0935, 1535	A, C	
0335, 0935, 1535	B	Weather messages for shipping.

Marine Rescue Co-ordination Centre: Mexican Army

Call Sign:

Region: WMO REGION: IV
Position:
Radio Address:

METAREA: IV
Area Covered: Gulf coast

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 12			

Broadcast Times	Frequency ID	Contents of Broadcast
0915, 1515, 2115 (subject to delays up to 30 minutes)	A	Storm warnings and weather forecasts for the following regions: Region 1: from Mexico / US border to 23°N (Pta Jerez) Region 2: from 23°N (Pta Jerez) to 20°N Region 3: from 20°N east to 93°W Region 4: from 93°W to 87°W (Cabo Catoche) Region 5: from 22°N (Yucatan) to 18°N (Mexico / Belize border) In English.

Maritime Radio Station: Pajaritos

Call Sign: XFF

METAREA: IV

Area Covered: Gulf coast

Region: WMO REGION: IV

Position: 18°08'N 94°25'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	**A**	4 383.8 kHz			
VHF	**B**	Ch 16 71			

Broadcast Times	Frequency ID	Contents of Broadcast
0330, 1530, 2130	**A**	Weather forecast for Gulf of Mexico. In English.
0320, 1520, 2120	**B**	Weather forecast for Gulf of Mexico. In English.

Maritime Radio Station: Progreso

Call Sign: XFN

METAREA: IV

Area Covered: Gulf coast

Region: WMO REGION: IV

Position: 21°16'N 89°47'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	**A**	8 514 kHz			
VHF	**B**	Ch 26			

Broadcast Times	Frequency ID	Contents of Broadcast
0335, 0935, 1535	**A, B**	Weather messages for shipping.

Maritime Radio Station: Puerto Vallarta

Call Sign:

Region: WMO REGION: IV
Position: 20°46'N 105°37'W
Radio Address:

METAREA: XII
Area Covered: Pacific coast

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	**A**	8 514 kHz			
VHF	**B**	Ch 25			
VHF	**C**	Ch 26			

Broadcast Times	Frequency ID	Contents of Broadcast
0335, 0935, 1535	**A, C**	
0335, 0935, 1535	**B**	Weather messages for shipping.

Maritime Radio Station: Veracruz

Call Sign: XFU

Watch kept for less than 30 minutes (station with limited hours of operation)

Region: WMO REGION: IV
Position: 19°07'N 96°09'W
Radio Address: METEO Gulf of Mexico Centre

METAREA: IV
Area Covered: Gulf coast

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	**A**	8 514 kHz			
VHF	**B**	Ch 26			

Broadcast Times	Frequency ID	Contents of Broadcast
0335, 0935, 1535	**A, B**	Weather messages for shipping.

Maritime Radio Station: Monaco **Call Sign: 3AC**

24-hour watch

Region: WMO REGION: VI
Position: 43°43'N 07°25'E
Radio Address: METEO Paris

METAREA: III

Area Covered: AREA 1: Western part of the mediterranean. Offshore areas:
(a)Est Cabrera; (b) Baléares; (c) Minorque; (d) Lion; (e) Provence; (f) Ligure; (g) Corse; (h) Sardaigne; (i) Maddalena; (j) Elbe; (k) Alboran; (l) Palos (m) Alger; (n) West Cabrera; (o) Annaba; (p) Tunisie; (q) Carbonara; (r) Lipari; (s) Circeo.

AREA 2: Eastern part of the Mediterranean (sea areas on chart of METAREA 3).

AREA 3: North of the western part of the Mediterranean. Offshore areas: (a)Est Cabrera; (b) Baléares; (c) Minorque; (d) Lion; (e) Provence; (f) Ligure; (g) Corse; (h) Sardaigne; (i) Maddalena; (j) Elbe.

AREA 4: METAREA 2 - offshore and High Seas

AREA 5: Western part of the Mediterranean. From coast to 20 n miles.

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	**A**	13 146 kHz	3AC 12		
RT (HF)	**B**	17 260 kHz	3AC 16		
RT (HF)	**C**	22 768 kHz	3AC 22		
RT (HF)	**D**	4 363 kHz	3AC 4		
RT (HF)	**E**	8 728 kHz	3AC 8		
VHF	**F**	Ch 20 (1)			
VHF	**G**	Ch 22 (1)			
VHF	**H**	Ch 23			
VHF	**I**	Ch 24			
VHF	**J**	Ch 25			

Broadcast Times	Frequency ID	Contents of Broadcast
1030	**A, E**	AREA 2: Repetition: Gale/storm warnings. General situation. Forecast by zones valid for 24 hours. Further weather outlook.
0930	**A-C, E**	AREA 3: Repetition: Gale/storm warnings. General situation. Forecast by zones valid for 24 hours. Further weather outlook. In French and English.
0930, 1403, 1930 LT	**D, E**	AREA 1: Repetition: Gale/storm warnings. General situation. Forecast by zones valid for 24 hours. Further weather outlook. In French and English.
0930, 1403, 1930 LT	**F, G**	AREA 3: Repetition: Near gale warnings, Gale/storm warnings. Forecast valid for the next 24 hours. Further weather outlook. In French and English.
Continuous broadcast updated 3 times a day (only for regular bulletins)	**H**	AREA 5: Côtes d'Azur: From Saint-Raphaël to Menton. Repetition: near gale warnings, gale/storm warnings. Forecast valid for the next 24 hours. Further weather outlook. In French and English.
Continuous broadcast updated 3 times a day (only for regular bulletins)	**I**	AREA 5: Côtes de Corse (Corsican coasts) Repetition: near gale warnings, gale/storm warnings. Forecast valid for the next 24 hours. Further weather outlook. In French and English.
Continuous broadcast updated 3 times a day (only for regular bulletins)	**J**	AREA 5: Provence from Port Camarague to Saint Raphaël Repetition: near gale warnings, gale/storm warnings. Forecast valid for the next 24 hours. Further weather outlook. In French and English.

NOTE: Service assured on behalf of France.

(1) After announcement on Ch 16, including BMS (warnings) broadcast every hour at H+03.

Maritime Radio Station: Bar **Call Sign: YUW**

24-hour watch

Region: WMO REGION: VI
Position: 42°06'N 19°06'E
Radio Address: METEO Split

METAREA: III
Area Covered: Adriatic Sea (see map)

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	1 720.4 kHz			
VHF	**B**	Ch 16 24			

Broadcast Times	Frequency ID	Contents of Broadcast
After weather bulletins 0850, 1420, 2050	**A, B**	Navigational warnings: For coastal waters of Montenegro. In Serbian & English.
0850, 1420, 2050	**A, B**	Storm warnings, synopsis, 24 hour forecast for the Adriatic sea. In Serbian & English.

NOTE: Urgent warnings are broadcast on receipt on 2182 kHz and Ch 16 and are repeated after the next quiet period on RT.

Maritime Radio Station: Agadir — Call Sign: CND

24-hour watch

METAREA: II

Area Covered: Coastal waters and area "LARGE MAROC"

Region: WMO REGION: I

Position: 30°22'N 09°33'W

Radio Address: METEO Agadir

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	1 911 kHz			
RT (MF)	**B**	13 080 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0937, 1637	**A, B**	Situation, development, forecasts valid for 30 hours and coastal swell warning. Special weather bulletin: Gale, storm, hurricane and coastal swell warning for the area affected. In French.

Maritime Radio Station: Casablanca — Call Sign: CNP

24-hour watch

METAREA: II

Area Covered: Coastal waters and area "LARGE MAROC"

Region: WMO REGION: I

Position: 33°37'N 07°38'W

Radio Address: METEO Casablanca

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 586 kHz			
RT (MF)	**B**	2 182 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0945, 1645	**A**	Situation, development, forecasts valid for 30 hours and coastal swell warning. Special weather bulletin: Gale, storm, hurricane and coastal swell warning for the area affected. In French.
On receipt and H+33	**B**	Situation, development, forecasts valid for 30 hours and coastal swell warning. Special weather bulletin: Gale, storm, hurricane and coastal swell warning for the area affected. In French.

Maritime Radio Station: Dakhla

Call Sign:

Region: WMO REGION: I

METAREA: II

Position:

Area Covered: Coastal waters and area "LARGE MAROC"

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
	A	3 900 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0939, 1639	A	Situation-development-forecasts valid for 30 hours and coastal swell warning. Special weather bulletin: gale, storm, hurricane and coastal swell warning for the area affected. In French.

Commercial Station: Radiodiffusion Télévision Marocaine

Call Sign:

Region: WMO REGION: I

METAREA: II

Position:

Area Covered: North Atlantic waters from 40°N to 25°N east of 30°W.

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	A	701 kHz			
AM	B	1 048 kHz			
AM	C	1 187 kHz			
AM	D	1 332 kHz			
AM	E	7 225 kHz			
FM	F	90.0 MHz			
FM	G	92.1 MHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0758, 1315, 2015	A-G	Storm warnings and forecast. In French.
1228	A-G	Storm warnings and forecast. In English.

Maritime Radio Station: Safi — Call Sign: CND

24-hour watch

METAREA: II

Area Covered: Coastal waters and area "LARGE MAROC"

Region: WMO REGION: I

Position: 32°18'N 9°15'W

Radio Address: METEO Safi

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 182 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt and H+03	**A**	Situation, development, forecasts valid for 30 hours and coastal swell warning. Special weather bulletin: Gale, storm, hurricane and coastal swell warning for the area affected. In French.

Maritime Radio Station: Tanger — Call Sign: CNW

24-hour watch

METAREA: II

Area Covered: Coastal waters and area "LARGE MAROC"

Region: WMO REGION: I

Position: 39°49'N 5°48'W

Radio Address: METEO Tanger

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 635 kHz			
RT (MF)	**B**	2 182 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt and H+03	**A, B**	Situation, development, forecasts valid for 30 hours and coastal swell warning. Special weather bulletin: Gale, storm, hurricane and coastal swell warning for the area affected. In French.

Maritime Radio Station: Beira

Call Sign: C9C2 C9L

METAREA: VII
Area Covered: Sea area in the Mozambique channel from 12°S to 25°S.

Region: WMO REGION: I
Position: 19°50'S 34°52'E
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 601 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0820, 0835, 1135, 1420, 2020(1)	**A**	Storm warnings, situation, 24 hour forecast for coastal waters of Mozambique. (In Portuguese)

(1) In Portuguese repeated in English.

Commercial Station: Radio Moçambique

Call Sign: C9L

METAREA: VII
Area Covered: Sea area in the Mozambique channel from 12°S to 25°S.

Region: WMO REGION: I
Position:
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	**A**	737 kHz			
AM	**B**	3 210 kHz			
AM	**C**	6 115 kHz			
AM	**D**	7 240 kHz			
AM	**E**	9 620 kHz			
AM	**F**	11 820 kHz			
AM	**G**	15 295 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
1000, 1410	**A, D-G**	Storm warnings, situation, 24 hour forecast for coastal waters of Mozambique. In Portuguese.
1730	**A-F**	Storm warnings, situation, 24 hour forecast for coastal waters of Mozambique. In Portuguese.

Maritime Radio Station: Walvis Bay **Call Sign: ZSV4**

24-hour watch

Region: WMO REGION: I
METAREA: VII
Position: 23°03'S 14°38'E
Area Covered: Coastal waters 50 miles (approximately 100 km) seawards between Cunene River and Orange River, and the area Trades
Radio Address: MET Pretoria

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	1 764 kHz			
RT (MF)	**B**	2 182 kHz		23°03'S 14°37'E	
RT (HF)	**C**	4 357 kHz	(401)		
VHF	**D**	Ch 16		Lüderitz 26°46'N 15°21'E	
VHF	**D**	Ch 16		Walvis Bay 23°03'S 14°37'E	
VHF	**E**	Ch 23		Lüderitz 26°46'N 15°21'E	
VHF	**E**	Ch 26		Walvis Bay 23°03'S 14°37'E	
VHF	**E**	Ch 27		Rössing 22°30'S 14°47'E	

Broadcast Times	Frequency ID	Contents of Broadcast
0905, 1605	**A, C, E**	Navigational warnings: Local NAVAREA VII and coastal warnings for the coastal waters and economic zone of Namibia.
1235	**A, C, E**	Coastal weather reports from meteorological observation stations Möwe Bay, Walvis Bay and Diaz Point
0935, 1635	**A, C, E**	Gale warnings, forecast for Areas 1, 2 and 9.
On receipt	**B, D**	Storm warnings for areas 1, 2 and 9. Navigational warnings: Urgent NAVAREA VII and coastal warnings for the coastal waters and economic zone of Namibia.

Navtex Station: Walvis Bay **Call Sign: ZSV4**

24-hour watch

METAREA: VII

Area Covered: Coastal waters 50 miles (approximately 100 km) seawards between Cunene River and Orange River, and the area Trades

Region: WMO REGION: I

Position: 23°03'S 14°38'E

Radio Address: MET Pretoria

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[B]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0010, 0410, 0810, 1210, 1610, 2010	[B]	Navigational warnings: Local NAVAREA VII and coastal warnings for the coastal waters and economic zone of Namibia. In English.
1210	[B]	Coastal weather reports from meteorological observation stations Mowe Bay, Walvis Bay and Diaz Point. In English.
1210, 1610	[B]	Gale warnings, forecast for Areas 1, 2 and 9. In English.

Navtex Station: Den Helder

Call Sign:

Region: WMO REGION: VI

METAREA: I

Position: 52°27'N 04°35'E

Area Covered: Thames, Humber, German Bight, Dogge

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[P]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0230,1430	[P]	Forecasts, in English for Areas: Thames, Humber, German Bight and Dogger. In English.
0230, 0630, 1030, 1430, 1830, 2230	[P]	Gale warnings for Aras Dover, Thames, Humber, German Bight and Dogger. In English.

Marine Rescue Co-ordination Centre: Netherlands Coastguard Radio **Call Sign: PBK**

H24

Region: WMO REGION: VI

METAREA: I

Position:

Area Covered: Thames, Humber, German Bight, Dogge

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	3 673 kHz		Scheveningen 52°06'N 4°15'E	
VHF	**B**	Ch 83		Woensdrecht 51°26'N 4°20'E	
VHF	**B**	Ch 83		West Terschelling 53°21'N 5°13'E	
VHF	**B**	Ch 83		Schoorl 52°43'N 4°39'E	
VHF	**B**	Ch 83		Renesse 51°44'N 3°49'E	
VHF	**B**	Ch 83		Hoorn 52°39'N 5°06'E	
VHF	**B**	Ch 83		Appingedam 53°20'N 6°52'E	
VHF	**B**	Ch 23		Westkapelle 51°32'N 3°27'E	
VHF	**B**	Ch 23		Schiermonnikoog 53°29'N 6°09'E	
VHF	**B**	Ch 23		Scheveningen 52°06'N 4°15'E	
VHF	**B**	Ch 23		Kornwerdezand 53°04'N5°20'E	
VHF	**B**	Ch 23		Den Helder 52°27'N 4°35'E	

Broadcast Times	Frequency ID	Contents of Broadcast
0940, 2140	**A**	Forecast for areas Dover, Thames, Humber, German Bight, Dogger, Fisher, Forties and Viking. In English.
0333, 0733, 1133, 1533, 1933, 2333	**A**	Near gale warnings for Areas Dover, Thames, Humber, German Bight, Dogger, Fisher, Forties and Viking. In English.
On receipt 1133	**A, B**	Navigational warnings: Ice reports. In English on A. In English and Dutch on B. (NEW navigtional warnings will be announced on Ch 16, but NOT on VHF DSC unless they contain vital information).
On receipt 0333, 0733, 1133, 1533, 1933, 2333	**A, B**	Navigational warnings: In English on A. In English and Dutch on B. (NEW navigtional warnings will be announced on Ch 16, but NOT on VHF DSC unless they contain vital information).
0333, 0733, 1133, 1533, 1933, 2333	**B**	Near gale warnings for Netherlands coastal waters up to 30 n miles offshore (including larger inland water districts). In English and Dutch
0805, 1305, 1905, 2305 LT	**B**	Forecast for Netherlands coastal waters up to 30 n miles offshore (including larger inland water districts). In English and Dutch

Commercial Station: Omroep Zeeland — **Call Sign:**

Region: WMO REGION: VI

METAREA: I

Position:

Area Covered: Thames, Humber, German Bight, Dogge

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
FM	**A**	97.8 MHz		Philippine	
FM	**B**	101.9 MHz		Goes	

Broadcast Times	Frequency ID	Contents of Broadcast
Mon-Fri (Summer): 0715, 0915, 1215, 1715 LT Mon-Fri (Winter): 0715, 1215, 1715 LT Sat, Sun: 1015 LT	**A, B**	Coastal forecast, synopsis, storm warnings and wind strength for the southern part of Holland and Zeeland. In Dutch.
Mon-Fri (Summer): 0715, 0915, 1215, 1715 LT Mon-Fri (Winter): 0715, 1215, 1715 LT Sat, Sun: 1015 LT	**A, B**	Coastal forecast, synopsis, storm warnings and wind strength for the southern part of Holland and Zeeland. In Dutch.

Commercial Station: Radio Noord-Holland — **Call Sign:**

Region: WMO REGION: VI

METAREA: I

Position:

Area Covered: Thames, Humber, German Bight, Dogge

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
FM	**A**	93.9 MHz		Wieringermeer	
FM	**B**	97.6 MHz		Haarlem	

Broadcast Times	Frequency ID	Contents of Broadcast
Mon-Fri: 0730, 0838, 1005, 1230, 1705 LT Sat, Sun: 1005 LT	**A**	Coastal forecast, storm warnings and wind strength. During the summer months additional Broadcasts of weather information for sailboats / Yachts and beaches. For coastal areas of the Netherlands. In Dutch.
Mon-Fri: 0730, 0838, 1005, 1230, 1715 LT Sat, Sun: 1005 LT	**B**	Coastal forecast, storm warnings and wind strength. During the summer months additional Broadcasts of weather information for sailboats / Yachts and beaches. For coastal areas of the Netherlands. In Dutch.

NEW AMSTERDAM ISLAND (FRANCE)

Call Sign Series: FAA-FZZ

Maritime Radio Station: Martin de Vivies (New Amsterdam Island) OR Port-aux-Français (Kerguelen Island)

Call Sign: FJY

Region: WMO REGION: I

METAREA: VII

Position:

Area Covered: Area from 30°S to 50°S and 50°E to 80°E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
	A	3 885 kHz	FJY4		

Broadcast Times	Frequency ID	Contents of Broadcast
On request	**A**	Marine bulletin. Forecasts valid for 24 hours. Storm warnings. In French and English.

Maritime Radio Station: Nouméa **Call Sign: FJP**

Watch kept for less than 30 minutes (station with limited hours of operation)

METAREA: X

Area Covered: (France)
Caledonian Lagoon, Vanuatu, South-West Pacific

Region: WMO REGION: V
Position: 22°16'S 166°28'E
Radio Address: METEO Nouméa

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 16			

Broadcast Times	Frequency ID	Contents of Broadcast
2230	**A**	Bulletin C: General situation on South-West Pacific (equator/45S 130E/170W) at 1200; Bulletin E: Forecast valid 24 hours from 1200 for the area (8S/167E,20S/175E,29S/168E,20S/158E); Bulletin H: Wind forecast on Caledonian Lagoon 24 hours validity from 2100; If any, Bulletin A: special marine weather bulletin. In French.
1930	**A**	Bulletin C: general situation on South-West Pacific (equator/45S 130E/170W) at 1200; Bulletin E: Forecast valid 24 hours from 1200 for the area (8S/167E, 20S/175E, 29S/168E, 20S/158E) Bulletin H: Wind forecast on Caledonian Lagoon 24 hours validity from 1800; If any, Bulletin A: special marine weather bulletin. In French.
0730	**A**	Bulletin C: general situation on South-West Pacific (equator/45S 130E/170W) at 0000; Bulletin E: Forecast valid 24 hours from 0000 for the area (8S/167E, 20S/175E, 29S/168E, 20S/158E); Bulletin H: Wind forecast on Caledonian Lagoon 24 hours validity from 0600; If any, Bulletin A: special marine weather bulletin. In French.
0430	**A**	Bulletin C: general situation on South-West Pacific (equator/45°S 130°E/170°W) at 0000; Bulletin E: Forecast valid 24 hours from 0000 for the area (8S/167E, 20S/175E, 29S/168E, 20S/158E); Bulletin H: Wind forecast on Caledonian Lagoon 24 hours validity from 0000; If any, Bulletin A: Special Marine Weather bulletin. In French.

Commercial Station: Radio Nouvelle-Calédonie (RNC) (Radio-France Outre-Mer (RFO)) **Call Sign:**

Region: WMO REGION: V

METAREA: X

Position:

Area Covered: New Caledonia and Caledonian Lagoon, Vanuatu, South-West Pacific

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
FM	**A**	88.0 MHz			H24
FM	**B**	89.0 MHz			H24
FM	**C**	90.0 MHz			H24
FM	**D**	91.0 MHz			H24
AM	**E**	666 kHz			H24

Broadcast Times	Frequency ID	Contents of Broadcast
0002, 0058	**A-D**	Bulletin K: Midday report for public. In French.
0712	**A-D**	Bulletin J: Evening report for public. In French.
0758	**A-D**	Bulletin C: general situation on South West Pacific (equator/45S 130E/170W) at 0000; Bulletin E: Forecast valid 24 hours from 0000 for the area (8S/167E, 20S/175E, 29S/168E, 20S/158E). In French.
1840	**A-D**	Bulletin J: Morning report for public. In French.
1858	**A-D**	Bulletin C: general situation on South-West Pacific (Equator/45S 130E/170W) at 1200; Bulletin E: Forecast valid 24 hours from 1200 for the area (8S/167E, 20S/175E, 29S/168E, 20S/158E). In French.
1910, 1938, 2010, 2039	**A-D**	Bulletin J: morning report for public. In French.

Maritime Radio Station: Taupo Maritime Radio **Call Sign: ZLM**

24-hour watch

METAREA: XIV

Area Covered: New Zealand coastal waters; 25°S-55°S, 160°E-120°E

Region: WMO REGION: V

Position: 38°52'S 176°26'E

Radio Address: METEO Wellington Terminal No.: 451200067; Facsimile: 64-4-577-1881

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	2207			
RT (HF)	B	4146		38°52'S 176°26'E	
RT (HF)	C	6224		38°52'S 176°26'E	
RT (HF)	D	8297		38°52'S 176°26'E	
RT (HF)	E	12 356		38°52'S 176°26'E	
RT (HF)	F	16 531		38°52'S 176°26'E	
VHF	G	Ch 67		Kaikoura 42°12'S 173°47'E	
VHF	G	Ch 67		Whangarei 35°32'S 174°05'E	
VHF	G	Ch 68		Cape Reinga 34°28'S 172°46'E	
VHF	G	Ch 67		Fox 43°36'S 169°46'E	
VHF	G	Ch 71		Auckland 36°56'S 174°35'E	
VHF	G	Ch 68		Akaraoa 43°43'S 172°57'E	
VHF	G	Ch 67		Waitaki 44°38'S 170°54'E	
VHF	G	Ch 68		Bluff 40°06'S 168°38'E	
VHF	G	Ch 67		D'Urville 40°51'S 173°52'E	
VHF	G	Ch 68		Farewell 40°38'S 172°38'E	
VHF	G	Ch 71		Fiordland 44°54'S 167°20'E	
VHF	G	Ch 67		Taranaki 39°18'S 174°05'E	
VHF	G	Ch 67		Tolaga 38°34'S 178°06'E	
VHF	G	Ch 71		Kaitaia 35°10'S 173°31'E	
VHF	G	Ch 68		Napier 39°45'S 176°51'E	
VHF	G	Ch 68		Picton 41°16'S 174°07'E	
VHF	G	Ch 68		Plenty 37°32'S 175°45'E	
VHF	G	Ch 67		Puysegur 46°09'S 166°51'E	
VHF	G	Ch 71		Runaway 37°32'S 177°59'E	
VHF	G	Ch 71		Stewart Island 46°56'S 167°52'E	
VHF	G	Ch 71		Cape Egmont 39°18'S 173°59'E	
VHF	G	Ch 67 68 69 71		Great Barrier Is 36°20'S 175°31'E	
VHF	G	Ch 68		Greymouth 42°24'S 171°21'E	
VHF	G	Ch 71		Chalmers 45°49'S 170°33'E	
VHF	G	Ch 69		Wanganui 39°49'S 174°56'E	
VHF	G	Ch 71		Wellington 41°14'S 176°47'E	
VHF	G	Ch 71		Westport 41°47'S 171°44'E	

VHF	**G**	Ch 67	Wairarapa 41°19'S 175°46'E
VHF	**H**	Ch 60	Chatham Islands 43°43'S 176°35'W
VHF	**H**	Ch 62	Pitt Islands 44°16'S 176°15'W

Broadcast Times	Frequency ID	Contents of Broadcast
0133, 0533, 0803, 1203, 1333, 1733, 2003 LT	**A-C**	Coastal reports for shipping.
0133, 0533, 1333, 1733 LT	**A-C**	Meteorological warnings, synopsis and forecasts for New Zealand coastal areas. Navigational warnings: Coastal navigational warnings for New Zealand.
On request	**A-C, G**	Navigational warnings: Coastal navigational warnings for New Zealand.
On receipt	**A-C, G**	Meteorological warnings, synopsis and forecasts for New Zealand coastal areas. Navigational warnings: Coastal navigational warnings for New Zealand.
0303(1), 1503(1) LT	**C, E**	Synopsis and forecast for area Southern.
0903(1), 2103(1) LT	**C, E**	Synopsis and forecast for areas Subtropic, Forties and Pacific.
0303(1), 0903(1), 1503(1), 2103(1) LT	**C, E**	Meteorological warnings in force for NAVAREA XIV. Navigational warnings: For NAVAREA XIV.
0333(1), 1533(1) LT	**D, F**	Synopsis and forecast for area Southern.
0933(1), 2133(1)	**D, F**	Synopsis and forecast for areas Subtropic, Forties and Pacific.
0333(1), 0933(1), 1533(1), 2133(1) LT	**D, F**	Meteorological warnings in force for NAVAREA XIV. Navigational warnings: For NAVAREA XIV.
0533, 0733, 1033, 1333, 1733, 2133 LT	**G**	Coastal reports for shipping.
0533, 0733, 1333, 1733, 2133	**G**	Meteorological warnings, synopsis and forecasts for New Zealand coastal areas. Navigational warnings: Coastal navigational warnings for New Zealand.
0603, 1403, 1803, 2203 LT(2)	**H**	Coastal reports for Chatham Islands.

Notes: Maritime Safety Information will be announced prior to broadcast on VHF Ch 16.

(1) Broadcasts made 1 hour later when NZDT is in force.

(2) Chatham Is. Local Time is 45 minutes ahead of NZLT.

Maritime Radio Station: Bjørnøya

Call Sign: LJB

Region: WMO REGION: VI

METAREA: I

Position: 74°31'N 19°01'E

Area Covered: Bear I. - Waters surrounding Bjørnøya: Squares B4, C4, C5 (see map)
In addition: January-February: Squares D6, D7; March-April-May-June: Squares C7, D6, D7; July-August-September-October: Squares A5, A6, B5, B6

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	1 722 kHz			
VHF	**B**	Ch 16			

Broadcast Times	Frequency	ID	Contents of Broadcast
	On request	**A,B**	Weather warnings.

Maritime Radio Station: Bjørnøya Meteo Radio

Call Sign:

Region: WMO REGION: VI

METAREA: I

Position:

Area Covered: Bear I.

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	1 757 kHz(1)			
VHF	**B**	Ch 12(1)			

Broadcast Times	Frequency	ID	Contents of Broadcast
	1005, 2205	**A, B**	Weather forecasts for October - June for Areas A3, A4, B4, C4-C6. Weather forecast for July - September for Areas A3-A6, B4-B6, C4-C6. In English and Norwegian.

(1) After prior announcement on 2 182 kHz and VHF Ch 16.

Navtex Station: Bodø **Call Sign: LGP**

24-hour watch

METAREA: I

Area Covered: North Atlantic to Barents Sea - Norwegian Sea Areas

Region: WMO REGION: VI

Position: 67°16'N 14°23'E

Radio Address: METEO Oslo

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[B]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0010, 0410, 0810, 1210, 1610, 2010	[B]	Navigational warnings: Routine navigational warnings for Norwegian coastal areas and adjacent seas. In English.
0010, 1210	[B]	Weather forecast for coastal waters off northern Norway (65°N-70°N, west to 5°W) Norwegian and Arctic Sea (north of 70°N from 20°E to 5°W). In English.

(1) VHF working channel will change to this channel during 2006

Maritime Radio Station: Bodø Radio **Call Sign: LGP**

24-hour watch

Region: WMO REGION: VI
Position: 67°16'N 14°23'E
Radio Address: METEO Oslo

METAREA: I
Area Covered: North Atlantic to Barents Sea - Norwegian Sea Areas

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	1 710 kHz		Sandnessjoen 66°01'N 12°37'E	
RT (MF)	**A**	1 770 kHz		Bodø 67°16'N 14°23'E	
RT (MF)	**A**	1 659 kHz		Andenes 69°18'N 16°04'E	
VHF	**B**	Ch 64 21		Sortland, Stamnes 68°49'N 15°29'E	
VHF	**B**	Ch 27		Andenes, Ramnan 69°17'N 16°01'E	
VHF	**B**	Ch 26 66 (1)		Bodo, Ronvikfjell 67°18'N 14°27'E	
VHF	**B**	Ch 24 28 (1)		Hadsel, Storheia 68°33'N 14°52'E	
VHF	**B**	Ch 25 66 (1)		Harstad, Harstadasen 68°48'N 16°31'E	
VHF	**B**	Ch 19 78 (1)		Harstad, Sorollnes 68°44'N 16°50'E	
VHF	**B**	Ch 01		Leirfjord, Horva 66°01'N 12°49'E	
VHF	**B**	Ch 28		Lenvik, Kistefjell 69°18'N 18°08'E	
VHF	**B**	Ch 07		Lodingen, Fenes 68°24'N 15°58'E	
VHF	**B**	Ch 62 27 (1)		Meloy 66°51'N 13°39'E	
VHF	**B**	Ch 28		Mo I Rana, Vettahaugen 66°13'N 13°45'E	
VHF	**B**	Ch 65 22 (1)		Narvik, Veggen 68°28'N 17°10'E	
VHF	**B**	Ch 02 60 (1)		Tromso, Sandoy 70°03'N 18°33'E	
VHF	**B**	Ch 20		Vestvagoy, Kvalnes 68°21'N 13°58'E	
VHF	**B**	Ch 04 22 (1)		Vesteralen, Kraknes 68°57'N 15°01'E	
VHF	**B**	Ch 63 60 (1)		Vega, Gulsvagfjell 65°38'N 11°54'E	
VHF	**B**	Ch 03 78 (1)		Vaeroy 67°40'N 12°38'E	
VHF	**B**	Ch 81		Tysfjord, Hellandsberg 68°02'N 16°07'E	
VHF	**B**	Ch 07		Nesna 66°12'N 13°01'E	
VHF	**B**	Ch 07		Tromso, Tonsnes 69°43'N 19°08'E	
VHF	**B**	Ch 21		Sorfold, Stamnes 68°49'N 15°29'E	
VHF	**B**	Ch 81		Tromso, Hillesoy 69°39'N 18°00'E	
VHF	**B**	Ch 05 20 (1)		Traenfjord, Hestmannen 66°32'N 12°49'E	
VHF	**B**	Ch 63 79		Tjeldsundet, Balstadasen 68°34'N 16°17'E	
VHF	**B**	Ch 84 01 (1)		Svolvar, Raften 68°24'N 15°07'E	
VHF	**B**	Ch 23 60 (1)		Steigen, Smatindane 67°50'N 15°00'E	
VHF	**B**	Ch 25 22 (1)		Vevelstad, Vistenfjord 65°39'N 12°37'E	
VHF	**B**	Ch 26 01 (1)		Tromso, Roestbakken 69°39'N 18°57'E	

Broadcast Times	Frequency ID	Contents of Broadcast
1203, 2303 0233, 0633, 1033, 1433, 1833, 2233	**A**	Weather forecast for coastal waters off northern Norway 65°N to 70°N and from 0°W to 10°W. Area north and north-east of Iceland and north-eastern part of Denmark Strait. Norwegian, arctic and Barents Seas north of 70°N. In English and Norwegian.
On request	**A, B**	Storm and gale warnings. In English and Norwegian.
		Navigational warnings and ice reports.
On receipt 0233, 0633, 1033, 1433, 1833, 2233	**A, B**	Storm and gale warnings for coastal waters and ajoining sea areas. In English and Norwegian. Navigational warnings: All navigational warnings are repeated daily at 1033 for 7 days.

Maritime Radio Station: Florø Radio **Call Sign: LGL**

24-hour watch

Region: WMO REGION: VI
Position: 61°36'N 05°00'E
Radio Address: METEO Oslo

METAREA: I
Area Covered: Norwegian coastal waters and adjacent areas within the economic zone (200 n.m.)

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	1 782 kHz		Orlandet 63°40'N 9°33'E	
RT (MF)	**A**	1 680 kHz		Floro 61°36'N 5°00'E	
VHF	**B**	Ch 27		Bremanger 61°52'N 5°00'E	
VHF	**B**	Ch 79		Gulen 61°02'N 5°10'E	
VHF	**B**	Ch 60		Gudvangen 60°53'N 6°55'E	
VHF	**B**	Ch 27		Geiranger 62°06'N 7°13'E	
VHF	**B**	Ch 20		Foerde, Kinn 61°34'N 4°46'E	
VHF	**B**	Ch 81		Hareid,Hjorungnes 62°21'N 6°07'E	
VHF	**B**	Ch 81		Buholmraen, Yttervag 64°18'N 10°18'E	
VHF	**B**	Ch 78		Heidrun (Rig) 65°20'N 7°19'E	
VHF	**B**	Ch 22		Brattvag, Gamlemstvet 62°35'N 6°19'E	
VHF	**B**	Ch 07		Aurland 60°54'N 7°12'E	
VHF	**B**	Ch 79		Asgard B (Rig) 65°07'N 6°47'E	
VHF	**B**	Ch 21		Alesund, Nerlandshorn 62°21'N 5°33'E	
VHF	**B**	Ch 79		Alesund, Aksla 62°29'N 6°12'E	
VHF	**B**	Ch 01		Draugen (Rig) 64°21'N 7°47'E	
VHF	**B**	Ch 07		Mosvik, Skavlen 63°46'N 10°58'E	
VHF	**B**	Ch 28		Stjordal, Forbordsfjell 63°32'N 10°54'E	
VHF	**B**	Ch 28		Sogndal, Storehogen 61°10'N 7°08'E	
VHF	**B**	Ch 20		Rorvik, Falkhetta 64°53'N 11°14'E	
VHF	**B**	Ch 21		Oseberg A (Rig) 60°30'N 2°50'E	
VHF	**B**	Ch 78		Orskogfjellet 62°31'N 6°52'E	
VHF	**B**	Ch 66		Gullfaks A (Rig) 61°11'N 2°11'E	
VHF	**B**	Ch 21		Namsos, Spillumsaksla 64°27'N 11°32'E	
VHF	**B**	Ch 20		Tingvoll, Reinsfjell 62°56'N 7°56'E	
VHF	**B**	Ch 07		Molde 62°45'N 7°08'E	
VHF	**B**	Ch 60		Maloy, Raudeberg 62°00'N 5°09'E	
VHF	**B**	Ch 78		Litlefonni, Tjelbergodden 63°23'N 8°43'E	
VHF	**B**	Ch 01		Ligtvor - Valestrand 61°06'N 6°33'E	
VHF	**B**	Ch 27		Orland, Kopparen 63°48'N 9°45'E	
VHF	**B**	Ch 66		Kristiansund, Varden 63°07'N 7°42'E	
VHF	**B**	Ch 07		Norfjordeid, Sagtennene 61°54'N 6°07'E	

Broadcast Times	Frequency ID	Contents of Broadcast
1215, 2315	A	Weather forecast for North Sea, coastal waters off southern and western Norway including Haltenbank, area from Storegga-Haltenbank to Greenwich meridian, Norwegian sea between 63°N and 65°N and from 0° to 10°W. In English and Norwegian
On request	A, B	Storm and gale warnings. In English and Norwegian.
		Navigational warnings and ice reports.
On receipt 0233, 0633, 1033, 1433, 1833, 2233	A, B	Storm and gale warnings for coastal waters and ajoining sea areas. In English and Norwegian. Navigational warnings: All navigational warnings are repeated daily at 1033 for 7 days.

Maritime Radio Station: Høpen Meteo Radio **Call Sign:**

Region: WMO REGION: VI

METAREA: I

Position:

Area Covered:

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	1 750 kHz			
VHF	B	Ch 12			

Broadcast Times	Frequency ID	Contents of Broadcast
1105, 2305	A, B	Weather bulletins for Areas A5, A6, B5, B6, C5 and C6. In English and Norwegian.

Maritime Radio Station: Jan Mayen

Call Sign: LMJ

24-hour watch

Region: WMO REGION: VI
Position: 70°57'N 08°40'W
Radio Address: METEO Oslo

METAREA: I

Area Covered: Jan Mayen I.
Waters surrounding Jan Mayen: Square D2 (see map) - during the sealing season (15 March-5 May) squares C1, C2, C3, D1 and D3

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	1 743 kHz			
VHF	**B**	Ch 16			

Broadcast Times	Frequency ID	Contents of Broadcast
1203, 2303	**A**	Weather forecast for coastal waters off Northern Norway 65°N to 70°N and from 0° to 10°W. Area north and north-east of iceland and north-eastern part of Denmark Strait. Norwegian, Arctic and Barents Seas north of 70°N. In English and Norwegian
On request	**A, B**	Weather warnings. In English and Norwegian. Navigational warnings and ice reports.

Maritime Radio Station: Jan Mayen Meteo Radio

Call Sign:

Region: WMO REGION: VI
Position:
Radio Address:

METAREA: I

Area Covered: Jan Mayen I.
Waters surrounding Jan Mayen: Square D2 (see map) - during the sealing season (15 March-5 May) squares C1, C2, C3, D1 and D3

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	1 757 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
1035, 2235	**A**	Weather forecast for November - February for Areas C3, D2 and D3. Weather forecast for March - October for Areas D1-D3 and C1-C3. In clear English and Norwegian

Commercial Station: Norsk Rikskringkasting (Norwegian Broadcasting System) **Call Sign:**

Region: WMO REGION: VI

METAREA: I

Position:

Area Covered: North Atlantic shipping routes east of 40°W, Norwegian Sea, waters surrounding Iceland and Southern Greenland, English Channel, Bay of Biscay (see map)

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	**A**	216 kHz		Oslo	
AM	**B**	630 kHz		Vigra	
AM	**C**	675 kHz		Bodo	
AM	**D**	702 kHz		Finnmark	
AM	**E**	1 314 kHz		Kvitsoy	
AM	**F**	1 485 kHz		Longyearbyen	

Broadcast Times	Frequency ID	Contents of Broadcast
1355-2050	**A**	24 hour forecast for coastal waters of Norway and Areas: N1-N10, B14, 3-12, 15-26 and 28-32, additionally Areas 1 and 2 (1 June- 31 Oct). In Norwegian.
1650(2)	**A-F**	36 hour forecast for coastal waters of Norway and Areas: 1, 15-21, 23-32. Summary for areas where gale / storm warnings are effective. Reports from meteorological observation stations. In Norwegian.
1100(1)	**A-F**	36 hour forecast for coastal waters of Norway and Areas: 1, 15-21, 23-32. Summary for areas where gale / storm warnings are effective. Reports from meteorological observation stations. In Norwegian.
0700(1)	**A-F**	18 hour forecast for coastal waters of Norway. In Norwegian.
0600(3)	**A-F**	18 hour forecast for coastal waters of Norway and Areas: N10, B14, 3-11, 15-32, additionally Areas 1 and 2 (1 June- 31 Oct), 13 & 14 (Mid March-1 May). In Norwegian.
0445(1)	**A-F**	18 hour forecast for coastal waters of Norway and Areas: N10, B14, 3-12, 15-26 and 28-32, additionally Areas 1 and 2 (1 June- 31 Oct), 13 & 14 (Mid March-1 May). In Norwegian.

NOTE:
Broadcasts given 1 hour earlier when DST is in force.

(1) Mon-Sat

Navtex Station: Ørlandet

Call Sign:

METAREA: I

Area Covered: Norwegian Sea Areas

Region: WMO REGION: VI

Position: 63°40'N 09°33'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[N]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0210, 0610, 1010, 1410, 1810, 2210	[N]	Navigational warnings: Routine navigational warnings for Norwegian coastal areas and adjacent seas. In English.
0210, 1410	[N]	Weather forecast for coastal waters off Norway (62°N-65°N, west to 5°W). In English.

Navtex Station: Rogaland

Call Sign: LGQ

24-hour watch

METAREA: I

Area Covered: Norwegian coastal waters and adjacent areas within the economic zone (200 n.m.) - N.Sea/Gulf of Bothania/Finland

Region: WMO REGION: VI

Position: 58°54'N 05°38'E

Radio Address: METEO Oslo

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[L]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0150, 0550, 0950, 1350, 1750, 2150	[L]	Navigational warnings: Routine navigational warnings for Norwegian coastal areas and adjacent seas. In English.
0150, 1350	[L]	Weather forecast for North Sea, Skagerrak and coastal waters off southern and western Norway (north to 62°N, west to 0°W). In English.

Maritime Radio Station: Rogaland Radio **Call Sign: LGQ**

24-hour watch

METAREA: I

Area Covered: Norwegian coastal waters and adjacent areas within the economic zone (200 n.m.) - N.Sea/Gulf of Bothania/Finland

Region: WMO REGION: VI
Position: 58°54'N 05°38'E
Radio Address: METEO Oslo

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	1 785 kHz		Farsund 58°04'N 6°45'E	
RT (MF)	**A**	1 728 kHz		Bergen 60°43'N 4°53'E	
RT (MF)	**A**	1 692 kHz		Vigre 58°39'N 05°36'W	
VHF	**B**	Ch 79		Lindesnes, Skibmannsheia 58°01'N 7°04'E	
VHF	**B**	Ch 22		Bergen, Lindas, Gladihaug 60°35'N 5°20'E	
VHF	**B**	Ch 60		Bergen, Rundemanen 60°25'N 5°22'E	
VHF	**B**	Ch 78		Bjerkreim, Urdalsnipa 58°35'N 6°04'E	
VHF	**B**	Ch 66		Draupner (Rig) 58°11'N 2°28'E	
VHF	**B**	Ch 20		Ekofisk (Rig) 56°33'N 3°13'E	
VHF	**B**	Ch 01		Haugesund, Steinsfjeld 59°25'N 5°20'E	
VHF	**B**	Ch 22		Heimdal 59°34'N 2°14'E	
VHF	**B**	Ch 20		Lifjell, Sandnes 58°55'N 5°47'E	
VHF	**B**	Ch 07		Lista, Storefjell 58°09'N 6°43'E	
VHF	**B**	Ch 60		Mandal, Husheia 58°01'N 7°55'E	
VHF	**B**	Ch 79		Sand, Pestasen 59°29'N 6°15'E	
VHF	**B**	Ch 79		Sleipner A (Rig) 58°22'N 1°54'E	
VHF	**B**	Ch 81		Sotra, Pyttane 60°19'N 5°07'E	
VHF	**B**	Ch 28		Stavanger, Bokn 59°13'N 5°26'E	
VHF	**B**	Ch 07		Stord, Kattnakken 59°52'N 5°30'E	
VHF	**B**	Ch 81		Ula (Rig) 57°07'N 2°51'E	
VHF	**B**	Ch 22		Valhall (Rig) 56°17'N 3°24'E	
VHF	**B**	Ch 20		I. Hardanger, Grimo 60°24'N 6°39'E	

Broadcast Times	Frequency ID	Contents of Broadcast
1215, 2315	**A**	Weather forecast for North Sea, coastal waters off southern and western Norway including Haltenbank, area from Storegga-Haltenbank to Greenwich meridian, Norwegian sea between 63°N and 65°N and from 0° to 10°W. IN English and Norwegian.
On request	**A, B**	Storm and gale warnings. Navigational warnings: Ice reports.
On receipt 0233, 0633, 1033, 1433, 1833, 2233	**A, B**	Storm and gale warnings for coastal waters and ajoining sea areas. In English and Norwegian. Navigational warnings: All navigational warnings repeated daily at 1033 for 7 days.

Navtex Station: Svalbard

Call Sign:

Region: WMO REGION: VI

METAREA: I

Position: 78°02'N 13°40'E

Area Covered: Norwegian Sea Areas (Svalbard)

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[A]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0800	[A]	Navigational warnings: Ice reports. In English.
0000, 0400, 0800, 1200, 1600, 2000	[A]	
On request	[A]	Weather warnings. In English. Navigational warnings: Ice reports. In English.
0000, 1200	[A]	Weather forecast for coastal waters off northern Norway (65°N to 70°N, west to 5°W), Norwegian and Arctic Sea (north of 70°N) and Barents Sea. In English.

Maritime Radio Station: Svalbard Radio **Call Sign:**

24-hour watch

Region: WMO REGION: VI
Position: 78°02'N 13°40'E
Radio Address:

METAREA: I
Area Covered: Norwegian Sea Areas (Svalbard)

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	1 731 kHz			
RT (MF)	**B**	4 357 kHz	(Ch 401)		
VHF	**C**	Ch 27		Isfjord 78°02'N 13°40'E	
VHF	**C**	Ch 25 21(1)		Kongsvegpasset 78°45'N 13°30'E	
VHF	**C**	Ch 26 20(1)		Bjomdalen, Longyearbyen 78°15'N 15°24'E	

Broadcast Times	Frequency ID	Contents of Broadcast
1203, 2303	**A, B**	Weather forecast for coastal waters off northern Norway 65°N to 70°N and from 0° to 10°W. Area north and north-east of Iceland and north-eastern part of Denmark Strait. Norwegian, Arctic and Barents Seas north of 70°N. In English and Norwegian.
On request	**A, C**	Storm and gale warnings.
		Navigational warnings and ice reports.
On receipt 0233, 0633, 1033, 1433, 1833, 2233	**A, C**	Meteorological warnings. In English and Norwegian.

(1) VHF channel will change to this channel during 2006.

Maritime Radio Station: Tjøme Radio **Call Sign: LGT**

24-hour watch

METAREA: I

Area Covered: Norwegian coastal waters, Swedish border - Lindesnes

Region: WMO REGION: VI

Position: 59°05'N 10°25'E

Radio Address: METEO Oslo

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 66		Oslo, Tryvann 59°59'N 10°40'E	
VHF	**A**	Ch 21		Tjøme 59°05'N 10°25'E	
VHF	**A**	Ch 20		Svendsheia 58°04'N 7°59'E	
VHF	**A**	Ch 20		Risor, Ranvikheia 58°43'N 9°12'E	
VHF	**A**	Ch 01		Porsgrunn, Vealos 59°14'N 9°42'E	
VHF	**A**	Ch 27		Kristiansand, Dolsveden 58°04'N 7°59'E	
VHF	**A**	Ch 81		Lillesand, Justoy 58°12'N 8°21'E	
VHF	**A**	Ch 07		Halden, Hoyas 59°11'N 11°26'E	
VHF	**A**	Ch 22		Arendal, Hisoy 58°27'N 8°46'E	
RT (MF)	**A**	1 665 kHz		Tjøme 59°05'N 10°25'E	

Broadcast Times	Frequency ID	Contents of Broadcast
On request	**A**	Storm and gale warnings. English and Norwegian.
		Navigational warnings: Ice reports.
On receipt	**A**	Storm and gale warnings for coastal waters and adjoining sea areas. In English and Norwegian.
0233, 0633, 1033, 1433, 1833, 2233		Navigational warnings: All navigational warnings are repeated daily at 1033 for 7 days.

Navtex Station: Vardø **Call Sign: LGV**

24-hour watch

METAREA: I

Area Covered: N.Sea/Gulf of Bothania/Finland - Norwegian Sea Areas

Region: WMO REGION: VI

Position: 70°22'N 31°06'E

Radio Address: METEO Oslo

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[V]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
1530 (Tues only)	[V]	Navigational warnings: Ice reports. In English.
0330, 0730, 1130, 1530, 1930, 2330	[V]	Navigational warnings: Routine navigational warnings for Norwegian coastal areas and adjacent seas. In English.
1130, 2330	[V]	Weather forecast for coastal waters off northernNorway (east of 20°E). In English.

Maritime Radio Station: Vardø Radio **Call Sign: LGV**

24-hour watch

METAREA: I

Area Covered: N.Sea/Gulf of Bothania/Finland - Norwegian Sea Areas

Region: WMO REGION: VI

Position: 70°22'N 31°06'E

Radio Address: METEO Oslo

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	1 695 kHz		Berlevag 70°52'N 29°04'E	
RT (MF)	**A**	1 713 kHz		Vardø 70°22'N 31°06'E	
RT (MF)	**A**	1 635 kHz		Hammerfest 70°40'N 23°40'E	
VHF	**B**	Ch 84 20(1)		Karlsoy, Torsvag 70°14'N 19°30'E	
VHF	**B**	Ch 28		Alta, Helligfjell 70°07'N 22°56'E	
VHF	**B**	Ch 27		Batsfjord, Hamnefjell 70°40'N 23°40'E	
VHF	**B**	Ch 23 07(1)		Berlevag, Berlevagfjell 70°52'N 29°05'E	
VHF	**B**	Ch 27		Hammerfest, Hammerfjell 70°41'N 23°40'E	
VHF	**B**	Ch 03 22(1)		Hammerfest, Tyven 70°38'N 23°42'E	
VHF	**B**	Ch 24 21(1)		Havoysund, Havoygavlen 71°00'N 24°36'E	
VHF	**B**	Ch 26 01(1)		Vardø, Domen 70°20'N 31°02'E	
VHF	**B**	Ch 28		Kirkenes 69°45'N 30°08'E	
VHF	**B**	Ch 02 20(1)		Lebesby, Oksen 70°58'N 27°21'E	
VHF	**B**	Ch 25 78(1)		Mehamn, Trollhetta 71°03'N 28°07'E	
VHF	**B**	Ch 26 79(1)		Nordkapp, Honningsvag 70°59'N 25°54'E	
VHF	**B**	Ch 65 79(1)		Slkervpy. Stissmesfkeéé 70°01'N 20°59'E	
VHF	**B**	Ch 23 66(1)		Skjervoy, Stussnesfjell 70°01'N 20°59'E	
VHF	**B**	Ch 04 66(1)		Tana, Algasvarre 70°28'N 28°13'E	
VHF	**B**	Ch 25 60(1)		Varangerfjord, Torsvarde 70°06'N 29°49'E	
VHF	**B**	Ch 04 78(1)		Hasvik, Fuglen 70°39'N 21°58'E	

Broadcast Times	Frequency ID	Contents of Broadcast
1203, 2303	**A**	Weather forecast for coastal waters off northern Norway 65°N to 70°N and from 0° to 10°W. Area north and north-east of iceland and north-eastern part of Denmark Strait. Norwegian, Arctic and Barents Seas north of 70°N. In English.
On request	**A, B**	Storm and gale warnings.
On receipt 0233, 0633, 1033, 1433, 1833, 2233	**A, B**	Storm and gale warnings for coastal waters and adjoining sea areas. In Norwegian and English. Navigational warnings: All navigational warnings are repeated daily at 1033 for 7 days.

(1) VHF channel will change to this channel during 2006.

Navtex Station: Masqat (Muscat) (Wattayah Radio Station) **Call Sign:**

METAREA: IX

Area Covered:

Region: WMO REGION: II

Position: 23°36'N 58°30'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[M]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0200, 0600, 1000, 1400, 1800, 2200	[M]	Forecast, synopsis, wind and sea condition for all areas. In English. Navigational warnings: For Persian Gulf and Gulf of Oman. In English.

Maritime Radio Station: Karachi

Call Sign: ASK

Region: WMO REGION: II

METAREA: IX

Position:

Area Covered:

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
		Not in operation			00, 06, 12, 18 UTC

Broadcast Times	Frequency ID	Contents of Broadcast
0600, 1800 **		For weather bulletin.

Radio Address: Karachi Radio ASK Malir Receiving Centre Wireless Gate Karachi
Station keeping a watch for at least 30 minutes, beginning at 00, 06, 12, 18 daily. A watch is also kept for a similar minimum time at the beginning of the nearest "single operator period" following those standard synoptic hours.

* Information to be obtained from Pakistan Navy
**0230, 0630, 1030, 1430, 1830, 2230 (for weather warning)

Navtex Station: Karachi

Call Sign: AQP

Region: WMO REGION: II

METAREA: IX

Position: 24°51'N 67°03'E

Area Covered: METAREA IX

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[P]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0230, 0630, 1030, 1430, 1830, 2230	[P]	Navigational warnings: NAVAREA IX and coastal warnings. In English.
0800	[P]	Forecast, synopsis for Arabian Sea North of 20°N, Gulf of Oman, Persian Gulf, Gulf of Aden and Central Arabian Sea. In English.

(1) 0030 UTC broadcast is issued, if necessary, in the event of disturbance and invariably when a depression has formed.
(2) 0430, 1230 and 2030 UTC broadcasts are issued only on development of a cyclonic storm.
(3) 0830 and 1630 UTC broadcasts are daily broadcasts.
(4) Used in the event of interference.
(5) Special broadcasts at any hour are isued if observations received during the interval between two consecutive broadcasts indicate an unexpected development of a cyclonic storm or an unexpected movement of a cyclonic storm.

Marine Rescue Co-ordination Centre: Karachi NAVAL **Call Sign: AQP**

24-hour watch

METAREA: IX

Area Covered: METAREA IX

Region: WMO REGION: II

Position:

Radio Address: Karachi Radio ASK
Malir Receiving Centre
Wireless Gate Karachi

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
WT (MF)	**A**	2 457.5 kHz			1400-0200
WT (HF)	**B**	4 325 kHz			On request
WT (HF)	**C**	6 390 kHz			H24
WT (HF)	**D**	8 490 kHz			H24
WT (HF)	**E**	13 011 kHz			H24
WT (HF)	**F**	17 093.6 kHz			0200-1400
WT (HF)	**G**	22 425 kHz			On request

Broadcast Times	Frequency ID	Contents of Broadcast
0400, 1200	**A, C, F**	Navigational warnings: NAVAREA IX warnings. Repeated on days 2, 5, 8, 12, 16, 20, 24 and thereafter on Fridays for important warnings. In English.
0200, 0600, 1000, 1400, 1800, 2200	**A, C-F**	Navigational warnings: Urgent NAVAREA IX warnings. In English.
0200, 0400, 0600, 1000, 1200, 1400, 1800, 2200	**A, C-F**	Gale warnings, synopsis, forecast and 12 hour forecast (includes sea state) for Areas B00, B20, B25 and B30
0530, 1330, 2130	**A, C-F**	Gale warnings for Areas B00, B20, B25 and B30. In English.
On request	**B, G**	Gale warnings, synopsis, forecast and 12 hour forecast (includes sea state) for Areas B00, B20, B25 and B30. Navigational warnings: Urgent NAVAREA IX warnings.

(1) 0030 UTC broadcast is issued, if necessary, in the event of disturbance and invariably when a depression has formed.
(2) 0430, 1230 and 2030 UTC broadcasts are issued only on development of a cyclonic storm.
(3) 0830 and 1630 UTC broadcasts are daily broadcasts.
(4) Used in the event of interference.
(5) Special broadcasts at any hour are isued if observations received during the interval between two consecutive broadcasts indicate an unexpected development of a cyclonic storm or an unexpected movement of a cyclonic storm.

Maritime Radio Station: Port Moresby **Call Sign: P2M**

Watch kept for less than 30 minutes (station with limited hours of operation)

Region: WMO REGION: V
Position: 09°28'S 147°11'E
Radio Address: V

METAREA: X
Area Covered: Papua, New Guinea waters

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	**A**	4 405 kHz			2100-1200
RT (HF)	**B**	6 510 kHz			2100-1200

Broadcast Times	Frequency ID	Contents of Broadcast
0603, 2203	**A, B**	Navigational warnings: For 0°-12°S, 141°E-160°E.
On receipt At the end of the next even H+03	**A, B**	Navigational warnings: Urgent navigational warnings for 0°-12°S, 141°E-160°E.
0003, 0603	**A, B**	Gale warnings and 24 hour forecast for coastal waters of papua New Guinea, New Britain, Bougainville and Bismarck Archipelago.
Every even H+03	**A, B**	Gale warnings for 0°-12°S, 141°E-160°E
On receipt	**A, B**	Storm warnings.

Navtex Station: Callao

Call Sign: OBC

24-hour watch

METAREA: XVI

Area Covered: South East Pacific - Pacific ocean east of 120°W from the Equator to 17°S.

Region: WMO REGION: III

Position: 12°03'S 77°09'W

Radio Address: Direccion de Hidrografia y Navegacion, Chucuito, CALLAO

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[U]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0720, 1920	[U]	Forecast and sea state for Areas I-IV. In English and Spanish.
0320, 1120, 1520, 2320	[U]	In English and Spanish.

Navtex Station: Mollendo (Matarani)

Call Sign:

METAREA: XVI

Area Covered: South East Pacific - Pacific ocean east of 120°W from the Equator to 17°S.

Region: WMO REGION: III

Position: 17°01'S 72°01'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[W]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0340, 0740, 1540, 1940	[W]	In English and Spanish.
1140, 2340	[W]	Forecast and sea state for Areas III. In English and Spanish.

Navtex Station: Paita **Call Sign:**

METAREA: XVI

Area Covered: South East Pacific - Pacific ocean east of 120°W from the Equator to 17°S.

Region: WMO REGION: III

Position: 5°05'S 81°07'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[S]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0700, 1100, 1900, 2300	[S]	Forecast and sea state for Areas I. In English and Spanish.
0300, 1500	[S]	Forecast and sea state for Areas I. In English and Spanish.

Maritime Radio Station: Manila **Call Sign:**

Region: WMO REGION: V

METAREA: XI

Position: 14°34'N 120°59'E

Area Covered: Pacific waters inside the boundary line: 25°N, 120°E - 25°N, 135°E - 5°N, 135°E - 5°N, 115°E - 15°N, 115°E - 21°N, 120°E - 25°N, 120°E (see map)

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	**A**	8 776.8 kHz			
VHF	**B**	Ch 09 16 20			

Broadcast Times	Frequency ID	Contents of Broadcast
0030, 0330, 0630, 0930, 1230	**A**	Navigational warnings: For Philippines coastal waters.
0030, 0330, 0630, 0930, 1230	**A, B**	Storm warnings, 24 hour forecast. In English.
On receipt On request	**A, B**	Storm warnings. In English.

Commercial Station: Philippine Broadcasting Stations **Call Sign:**

Region: WMO REGION: V

METAREA: XI

Position:

Area Covered: North Pacific waters east of 160°E; Philippine Sea, Japan Sea, Yellow Sea, East China Sea, South China Sea

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
	A	630 kHz		Caloocan	
	B	738 kHz		Valenzuela	
	C	783 kHz		Puerta Princesa	
	D	819 kHz		Davao	
	E	900 kHz		Laoag	
	F	1 017 kHz		Iloilo	
	G	1 098 kHz		Mandaluyong	
	G	918 kHz		Malolos	
	H	1 161 kHz		Daet	
	I	1 170 kHz		Polo	
	J	1 188 kHz		Lucena	

Broadcast Times	Frequency ID	Contents of Broadcast
0900, 2100	A, B, H	
0900	C	
1030, 2230	D, G, I, K	
2100	E	
0000, 1200, 1400, 2000	F	
0030, 0930	J	

Commercial Station: Polskie Radio **Call Sign:**

Region: WMO REGION: VI

METAREA: I

Position:

Area Covered:

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	**A**	225 kHz	Program 1, Warszawa		

Broadcast Times	Frequency ID	Contents of Broadcast
Mon-Sat: 0558, 2000 LT	**A**	Weather information and conditions for inshore and offshore areas, broadcast after the news. In Polish. Navigational warnings and information on areas that are periodically closed or dangerous for navigation and fishing.

Program 1, Warszawa

Maritime Radio Station: Slupsk **Call Sign:**

Region: WMO REGION: VI

METAREA: I

Position:

Area Covered:

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 12			
VHF	**B**	Ch 71			

Broadcast Times	Frequency ID	Contents of Broadcast
On request	**A**	Navigational warnings: Ice reports.
0705, 1235, 1835, 2335 LT	**A**	Forecast for fishermen and three day wind forecast for Areas 9 and 10.
0715, 1245, 1845 LT	**B**	Navigational warnings: Coastal warnings. In English and Polish.

Note:
Weather bulletins will be announced prior to broadcast on VHF Ch 16.
Navigational warnings will be announced prior to broadcast on VHF Ch 12 and Ch 16.

Maritime Radio Station: Witowo Radio **Call Sign: SPS**

H24

Region: WMO REGION: VI
Position: 54°33'N 16°32'E
Radio Address:

METAREA: I
Area Covered:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 720 kHz			
VHF	**B**	Ch 25		Swinoujscie	
VHF	**B**	Ch 24		Rozewei	
VHF	**B**	Ch 26		Rowokól	
VHF	**B**	Ch 26		Oksywie	
VHF	**B**	Ch 25		Krynica Morska	
VHF	**B**	Ch 24		Kolowo	
VHF	**B**	Ch 24		Kolobrzeg	
VHF	**B**	Ch 25		Jaroslawiec-Barzowice	
VHF	**B**	Ch 26		Grzywacz	

Broadcast Times	Frequency ID	Contents of Broadcast
1035, 1335 LT On request	**A, B**	Navigational warnings: Ice Reports. In English and Polish.
0133, 0533, 0933, 1333, 1733, 2133 LT On request	**A, B**	In English and Polish. Navigational warnings: For Polish coastal waters.
0135, 0735, 1335, 1935 LT On request	**A, B**	Weather forecast for Areas 7-11 and Polish coastal waters. In English and Polish.

Maritime Radio Station: Zatoka Gdansk - Vessel Traffic Services **Call Sign:**

Region: WMO REGION: VI

METAREA: I

Position:

Area Covered:

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 66			

Broadcast Times	Frequency ID	Contents of Broadcast
0105, 0805, 1405, 2005 LT On request	**A**	Forecast for fishermen and three day wind forecast for Areas 9 and 10. In English.
0005, 0705, 1305, 1905 LT On request	**A**	Forecast for fishermen and three day wind forecast for Areas 9 and 10. In Polish

Note: Weather bulletins and navigational warnings will be announced prior to broadcast on VHF Ch 16 and Ch 71.

Marine Rescue Co-ordination Centre: Cte. Nunes Ribeiro (Radionaval) **Call Sign:**

Region: WMO REGION: VI
Position:
Radio Address:

METAREA: II

Area Covered: AREA 1: Portuguese coastal waters, within 20 nautical miles offshore coast; northern zone (Rio Minho to Cabo Carvoeiro) and central zone (Cabo Carvoeiro to Cabo de S. Vicente).

AREA 2: Portuguese coastal waters, within 20 nautical miles offshore coast; northern zone (Rio Minho to Cabo Carvoeiro), central zone (Cabo Carvoeiro to Cabo de S. Vicente) and southern zone (Cabo S. Vicente to Rio Guadiana).

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 657 kHz		Monsanto 38°44'N 09°11'W	
VHF	**B**	Ch 11		Alges 38°44'N 09°11'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0905, 2105	**A, B**	AREA 1: Navigation warnings; Gale, Storm and Poor Visibility warnings;· For 0705 UTC (1905 UTC) broadcast: Synopsis of 00UTC (12 UTC) and Forecasts (wind, visibility, significant weather, sea and swell) valid for 24 hours from 06 UTC (18 UTC). In Portuguese repeated in English.
0905, 2105	**B**	AREA 2: Navigation warnings;· Gale, Storm and Poor Visibility warnings;· For 0705UTC (1905 UTC) broadcast: Synopsis of 00 UTC (12 UTC) and Forecasts (wind, visibility, significant weather, sea and swell) valid for 24 hours from 06 UTC (18 UTC). In Portuguese repeated in English.

Marine Rescue Co-ordination Centre: Faro (Radionaval)

Call Sign:

Region: WMO REGION: VI

METAREA: II

Position:

Area Covered: Portuguese coastal waters, within 20 nautical miles off the coast; central zone (Cabo Carvoeiro to Cabo de S. Vicente) and southern zone (Cabo S. Vicente to Rio Guadiana).

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 11			

Broadcast Times	Frequency ID	Contents of Broadcast
0805, 2005	**A**	Navigation warnings. Gale, Storm and Poor Visibility warnings. For 0805 UTC (2005 UTC) broadcast: Synopsis of 00 UTC (12 UTC) and Forecasts (wind, visibility, significant weather, sea and swell) valid for 24 hours from 06 UTC (18 UTC). In Portuguese repeated in English.

Marine Rescue Co-ordination Centre: Leixões (Radionaval)

Call Sign:

Region: WMO REGION: VI

METAREA: II

Position:

Area Covered: Portuguese coastal waters, within 20 nautical miles offshore coast; northern zone (Rio Minho to Cabo Carvoeiro) and central zone (Cabo Carvoeiro to Cabo de S. Vicente).

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 11			

Broadcast Times	Frequency ID	Contents of Broadcast
0700, 1900	**A**	Navigation warnings;· Gale, Storm and Poor Visibility warnings;· For 0805 UTC (2005 UTC) broadcast: Synopsis of 00 UTC (12 UTC) and Forecasts (wind, visibility, significant weather, sea and swell) valid for 24 hours from 06 UTC (18 UTC). In Portuguese.

Navtex Station: Monsanto (Alges) **Call Sign:**

Region: WMO REGION: VI
METAREA: II
Position: 38°44'N 09°11'W
Area Covered: Coastal waters within 200 nautical miles offshore coast of Portugal Continental
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[G]	490 kHz			
MSI	[R]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0100, 0500, 0900, 1300, 1700, 2100	[G]	In Portuguese.
0250, 0650, 1050, 1450, 1850, 2250	[R]	In English.

Marine Rescue Co-ordination Centre: Monsanto (Radionaval) **Call Sign:**

METAREA: II

Area Covered: North Atlantic waters from 44°N to 30°N east of 40°W.

Region: WMO REGION: VI

Position: 38°44'N 09°11'W

Radio Address:

Broadcast Times	Frequency ID	Contents of Broadcast
0905, 2105	**A**	Eastern North Atlantic waters for: Sub-Zone 4: CHARCOT Sub-Zone 6: JOSEPHINE Sub-Zone 16: FINISTERRE Sub-Zone 17: PORTO Sub-Zone 18: S. VICENTE Sub-Zone 19: CADIZ Navigation warnings within 200 nautical miles offshore coast of Portugal Continental. Gale, Storm and Poor Visibility warnings. For 0705 UTC (1905 UTC) broadcast: Synopsis of 00 UTC (12 UTC) and Forecasts (wind, visibility, significant weather, sea and swell) valid for 24 hours from 06 UTC (18 UTC). In Portuguese repeated in English.
0905, 2105	**A**	Portuguese coastal waters, within 20 nautical miles offshore coast; northern zone (Rio Minho to Cabo Carvoeiro), central zone (Cabo Carvoeiro to Cabo de S. Vicente) and southern zone (Cabo S. Vicente to Rio Guadiana): Navigation warnings. Gale, Storm and Poor Visibility warnings. For 0705UTC (1905 UTC) broadcast: Synopsis of 00 UTC (12 UTC) and Forecasts (wind, visibility, significant weather, sea and swell) valid for 24 hours from 06 UTC (18 UTC). In Portuguese repeated in English.
0905, 2105	**B**	Eastern North Atlantic waters for: Sub-Zone 4: CHARCOT Sub-Zone 6: JOSEPHINE Sub-Zone 16: FINISTERRE Sub-Zone 17: PORTO Sub-Zone 18: S. VICENTE Sub-Zone 19: CADIZ Navigation warnings within 200 nautical miles offshore coast of Portugal Continental. Gale, Storm and Poor Visibility warnings. For 0705 UTC (1905 UTC) broadcast: Synopsis of 00 UTC (12 UTC) and Forecasts (wind, visibility, significant weather, sea and swell) valid for 24 hours from 06 UTC (18 UTC). In Portuguese repeated in English.
0905, 2105	**B**	Portuguese coastal waters, within 20 nautical miles offshore coast; northern zone (Rio Minho to Cabo Carvoeiro), central zone (Cabo Carvoeiro to Cabo de S. Vicente) and southern zone (Cabo S. Vicente to Rio Guadiana): Navigation warnings. Gale, Storm and Poor Visibility warnings. For 0705UTC (1905 UTC) broadcast: Synopsis of 00 UTC (12 UTC) and Forecasts (wind, visibility, significant weather, sea and swell) valid for 24 hours from 06 UTC (18 UTC). In Portuguese repeated in English.

Commercial Station: Radifusão Portuguesa **Call Sign:**

Region: WMO REGION: VI

METAREA: II

Position:

Area Covered: Coastal waters within 200 nautical miles offshore coast of Portugal Continental

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
FM	**A**	97.6 MHz		Faro	
FM	**A**	96.4 MHz		Bragança	
FM	**B**	94.7 MHz		Guarda Portugal	
FM	**B**	97.9 MHz		Portalegre	
AM	**C**	720 kHz		Castelo Branco	
AM	**C**	630 kHz		Chaves	
AM	**C**	630 kHz		Miranda do Douro	
AM	**C**	630 kHz		Montemer	
AM	**C**	666 kHz		Lisboa I	
AM	**C**	720 kHz		Faro	
AM	**C**	720 kHz		Mirandela	
AM	**C**	720 kHz		Norte I.	
AM	**C**	666 kHz		Bragança	
AM	**D**	1 287 kHz		Portalegre	
AM	**D**	666 kHz		Covilha	
AM	**D**	666 kHz		Viseu	
AM	**D**	720 kHz		Elvas	
AM	**D**	720 kHz		Guarda Portugal	

Broadcast Times	Frequency ID	Contents of Broadcast
1100	**A, C**	Weather bulletin for the coastal waters of Portugal. In Portuguese.
Sundays & holidays: 1100	**B, D**	Weather bulletin for the coastal waters of Portugal. In Portuguese.

Marine Rescue Co-ordination Centre: San Juan (USCG)

Call Sign: NMR

24-hour watch

METAREA: IV

Area Covered: Eastern and Western Caribbean Sea, including Puerto Rico, Virgin Islands and adjacent waters

Region: WMO REGION: IV

Position: 18°28'N 67°04'W

Radio Address: METEO WASHDC

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 670 kHz			
VHF	**B**	Ch 22 CH		18°28'N 67°04'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0305, 1505	**A**	Storm warnings, forecast and synopsis for E Caribbean E of 70°W, Puerto Rico, Virgin Islands and adjacent watrs out to 20 n miles. Navigational warnings: Local warnings.
On receipt	**A, B**	Storm warnings. Navigational warnings: Local warnings.
1210, 2210	**B**	Storm warnings, forecast and synopsis for E Caribbean E of 70°W, Puerto Rico, Virgin Islands and adjacent watrs out to 20 n miles. Navigational warnings: Local warnings.

Navtex Station: San Juan (USCG)

Call Sign: NMR

24-hour watch

METAREA: IV

Area Covered: Eastern and Western Caribbean Sea, including Puerto Rico, Virgin Islands and adjacent waters

Region: WMO REGION: IV

Position: 18°28'N 67°04'W

Radio Address: METEO WASHDC

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	**[R]**	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0200, 0600, 1000, 1400, 1800, 2200	**[R]**	Storm/Gale warnings, synopsis and forecasts for Caribbean, Southwest and Tropical North Atlantic. In English. Navigational warnings: Local warnings. In English.

Maritime Radio Station: Ad Dawhah (Doha)

Call Sign:

Region: WMO REGION: II

METAREA: IX

Position: 25°42'N 16°32'E

Area Covered:

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 768 kHz			
VHF	**B**	Ch 16			
VHF	**C**	Ch 24			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt	**A, B**	Gale warnings for all areas.
		Navigational warnings: For Persian Gulf, Gulf of Oman and coastal waters of Qatar.
0503, 1003, 1603	**A, C**	Gale warnings, synopsis and forecast for all areas.
0433, 0833, 1233, 1633	**A, C**	Gale warnings for all areas.
		Navigational warnings: For Persian Gulf, Gulf of Oman and coastal waters of Qatar.

Maritime Radio Station: Cheju (Jeju)

Call Sign: HLE

METAREA: XI

Area Covered: Area enclosed by the following line: 43°N 132°E to 27°N 132°E to 27°N 120°E, thence along coast to 43°N 132°E.

Region: WMO REGION: II

Position: 33°29'N 126°30'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	2 299 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0902, 1702	A	In Korean and English.

Navtex Station: Chukpyon (Jukbyeon)

Call Sign:

METAREA: XI

Area Covered: Area enclosed by the following line: 43°N 132°E to 27°N 132°E to 27°N 120°E, thence along coast to 43°N 132°E.

Region: WMO REGION: II

Position: 37°03'N 129°26'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[J]	490 kHz			
MSI	[V]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0130, 0530, 0930, 1330, 1730, 2130	[J]	In Korean.
0330, 0730, 1130, 1530, 1930, 2330	[V]	In English.

Maritime Radio Station: Inch'on (Incheon)

Call Sign: HLC

24-hour watch

Region: WMO REGION: II

METAREA: XI

Position: 37°25'N 126°39'E

Area Covered: Area enclosed by the following line: 43°N 132°E to 27°N 132°E to 27°N 120°E, thence along coast to 43°N 132°E.

Radio Address: OBS METEO Seoul

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	**A**	2 284 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0003	**A**	In Korean and English.
0003	**A**	In Korean and English.

Maritime Radio Station: Kangnung (Gangneung)

Call Sign: HLK

Region: WMO REGION: II

METAREA: XI

Position: 37°46'N 128°54'E

Area Covered: Area enclosed by the following line: 43°N 132°E to 27°N 132°E to 27°N 120°E, thence along coast to 43°N 132°E.

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 836 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0903	**A**	In Korean and English

Maritime Radio Station: Kunsan (Gunsan)

Call Sign: HLN

METAREA: XI

Area Covered: Area enclosed by the following line: 43°N 132°E to 27°N 132°E to 27°N 120°E, thence along coast to 43°N 132°E.

Region: WMO REGION: II

Position: 35°59'N 126°43'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 507 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0403	**A**	In Korean and English

Navtex Station: Pyonsan (Byeonsan)

Call Sign:

METAREA: XI

Area Covered: Area enclosed by the following line: 43°N 132°E to 27°N 132°E to 27°N 120°E, thence along coast to 43°N 132°E.

Region: WMO REGION: II

Position: 35°36'N 126°29'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	**[K]**	490 kHz			
MSI	**[W]**	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0140, 0540, 0940, 1340, 1740, 2140	**[K]**	In Korean.
0340, 0740, 1140, 1540, 1940, 2340	**[W]**	

RÉUNION

Call Sign Series:

Commercial Station: Radio-France Outre-Mer (RFO)

Call Sign:

Region: WMO REGION: I
METAREA: VIII(S)
Position: 20°54'S 55°36'E
Area Covered: Coastal area of Réunion and zone 15°S-25°S, 50°E-60°E
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
	A	666 kHz (SW)			
	B	1 215 kHz (NE)			

Broadcast Times	Frequency ID	Contents of Broadcast
1308 (2)	A, B	Forecast for the evening and following day. Forecast for fishing. In French.
0828	A, B	Forecast for the afternoon and evening. Forecast for fishing. In French.
0335 (1)	A, B	Forecast for the day. Forecast for fishing. In French.

(1) 0610 on Saturdays, Sundays and public holidays.
(2) 1410 on Saturdays, Sundays and public holidays.

Marine Rescue Co-ordination Centre: Réunion (CROSSRU) (MRCC)

Call Sign:

Region: WMO REGION: I
METAREA: VIII(S)
Position: 20°54'S 55°36'E
Area Covered: Area from: 05°S to 30°S and 30°E to 90°E
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	2 600 kHz (1)			

Broadcast Times	Frequency ID	Contents of Broadcast
H+15 from (0400-1600) (2)(3)	A	Special Marine weather bulletin: gale/storm/hurricane and cyclone warnings, and warnings of calm and cancellation. Broadcasts carried out for the transmission of a special Marine weather bulletin concerning the area are continued until H+8 hours, H being the time at which the bulletin concerning a calm or cancellation is prepared. In French and English.
0503 and on request	A	Marine bulletins valid for the next 24 hours. In French.

(1) After preliminary call on 500 kHz and 2182 kHz. In the case of special Marine bulletins, the call is preceded by the safety signal TTT.
(2) When a special Marine weather bulletin is present, it is broadcast every hour from 0400 to 1600 UTC (H+15 by A1A and H+03 by J3E). In the event of a tropical cyclone watch or warning in La Reunion , the bulletin is broadcast from 0000 to 2400 UTC.
(3) On Sundays and public holidays from 0400 to 1100 UTC .

Maritime Radio Station: Constanta (Constantza) Radio — Call Sign: YQI

24-hour watch

Region: WMO REGION: VI
Position: 44°06'N 28°37'E
Radio Address: METEO Constanta

METAREA: III

Area Covered: Western part of the Black Sea:
45°13'N 29°40'E; 49°09'N 29°58'E; 44°30'N 30°16'E; 44°15'N 30°24'E; 43°41'N 30°32'E; 43°44'N 29°02'E; 43°40'N 29°00'E; 43°45'N 28°36'E

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
	A	446.5 kHz(1)			
RT (MF)	B	2 748 kHz(2)			
VHF	C	Ch 12, 26(3)			

Broadcast Times	Frequency ID	Contents of Broadcast
0650, 1250, 1850	A	Forecast valid for 24 hours for the area affected. In English and Romanian.
0733, 1333, 1933	B	Forecast valid for 24 hours for the area affected. In English and Romanian.
0703, 1303, 1903	C	Forecast valid for 24 hours for the area affected. In English and Romanian.

Notes:
A network of VHF radio stations remotely controlled by Constanta Radio and connected to MRCC Constanta is responsible for maintaining a continuous listening watch on international distress frequencies.

(1) After preliminary call on 500 kHz A2a.
(2) After preliminary call on DSC 2187.5 kHz F1B.
(3) After preliminary call on DSC Ch 70 F1B.

Navtex Station: Constanta (Constantza) Radio — Call Sign: YQI

24-hour watch

Region: WMO REGION: VI
Position: 44°06'N 28°37'E
Radio Address: METEO Constanta

METAREA: III

Area Covered: Western part of the Black Sea:
45°13'N 29°40'E; 49°09'N 29°58'E; 44°30'N 30°16'E; 44°15'N 30°24'E; 43°41'N 30°32'E; 43°44'N 29°02'E; 43°40'N 29°00'E; 43°45'N 28°36'E

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[L]	490 kHz			
MSI	[L]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0550, 0950, 1350, 1750, 2150, 0150	[L]	Forecast valid for 24 hours for the area affected. In Romanian.
0930, 2130	[L]	Forecast valid for 24 hours for the area affected. In English.

Maritime Radio Station: Arkhangel'sk — Call Sign: UGE

METAREA: ARCTIC
Area Covered: North Atlantic to Barents Sea - Arctic coast
Region: WMO REGION: VI
Position: 64°51'N 40°17'E
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
Radio-telex	A	446 kHz		UGE	
RT (MF)	B	2 595 kHz		Arkhangel'sk Radio	

Broadcast Times	Frequency ID	Contents of Broadcast
0510, 0530, 1710, 1730	A	Navigational warnings: Coastal warnings for Beloye More (White Sea). In Russian.
0633, 1833	B	Navigational warnings: Coastal warnings for Beloye More (White Sea). In Russian.

Navtex Station: Arkhangel'sk — Call Sign: UGE

METAREA: ARCTIC
Area Covered: North Atlantic to Barents Sea - Arctic coast
Region: WMO REGION: VI
Position: 64°51'N 40°17'E
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[F]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0050, 0450, 0850, 1250, 1650, 2050	[F]	Synopsis and forecast for Beloye More (White Sea) and SE Barents Sea when details available. In English. Navigational warnings: Coastal warnings for Beloye More (White Sea). In English.

Navtex Station: Astrakhan (Caspian Sea)

Call Sign:

24-hour watch

METAREA: III

Area Covered: Caspian Sea Coast

Region: WMO REGION: VI

Position: 45°47'N 47°33'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[W]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0340, 0740, 1140, 1540, 1940, 2340	[W]	Weather information fro north and central Caspian Sea to 42°N. In English. Navigational warnings: Coastal warnings for north and central Caspian Sea to 42°N. In English.

Maritime Radio Station: Kaliningrad

Call Sign: UIW

24-hour watch

METAREA: I

Area Covered: Baltic Coast

Region: WMO REGION: VI

Position: 54°42'N 20°30'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	A	4 390 kHz			
Radio-telex	B	12 606 kHz	(1254)		
Radio-telex	C	16 833.5	(1655)		

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt	A	Navigational warnings: Coast warnings for Baltic Sea after announcement on 2 187.5 kHz and 2 182 kHz.
1100	B, C	Navigational warnings: NAVIP and NAVAREA for areas I, II, IV, V and VI.

Call Sign Series: RAA-RZZ, UAA-UIZ

Maritime Radio Station: Murmansk

Call Sign: UDK

24-hour watch

Region: WMO REGION: VI

METAREA: I

Position:

Area Covered: Arctic Coast - North Atlantic to Barents Sea

Radio Address: METEO Murmansk

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
Radio-telex	**A**	521.5 kHz		UDK	
Radio-telex	**B**	6 393.5 kHz		UDK2	
Radio-telex	**C**	13 050 kHz		UDK2	

Broadcast Times	Frequency ID	Contents of Broadcast
0400, 1730	**A-C**	Navigational warnings: For Greenland Sea N of 71°N, Karskoye More and Barents Sea (excluding Ostrov Zemlya Frantsa-Losifa). In Russian.
0420, 1740	**A-C**	Situation and synopsis, forecast and wave forecast for Barents Sea (except SE part), Norwegian coast, Kok'skiy Poluostrov and Kol'skiy Zaliv. In Russian.

NOTE: Broadcast given 1 hour earlier when DST is in force.

Navtex Station: Murmansk

Call Sign:

Region: WMO REGION: VI

METAREA: I

Position: 68°46'N 32°58'E

Area Covered: North Atlantic to Barents Sea - Arctic coast

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	**[C]**	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0020, 0420, 0820, 1220, 1620, 2020	**[C]**	Weather bulletin when details available. In English. Navigational warnings: PRIP for coastal waters of Russia and Barents Sea. Forecast of ice conditions for Barents Sea (except SE part) Norwegian coast, Kol'skiy Poluostrov and kol'skiy Zaliv. In English.

Call Sign Series: RAA-RZZ, UAA-UIZ

Navtex Station: Novorossiysk

Call Sign:

24-hour watch

Region: WMO REGION: VI

METAREA: III

Position: 44°36'N 37°58'E

Area Covered: Mediterranean Sea/Black Sea coast

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[A]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0300, 0700, 1100, 1500, 1900, 2300	[A]	Navigational warnings: Coastal warnings for Russian waters in Black Sea, Sea of Azov and Kerchenskiy Proliv. In English.
0700, 1500	[A]	Storm warnings and weather forecast for areas Anapa-Tuance. In English.

Maritime Radio Station: Tiksi

Call Sign:

Region: WMO REGION: VI

METAREA: XIII

Position:

Area Covered: Pacific coast

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	A	4 351 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0900, 2300	A	Weather forecast for Reka Lena, Reka Yana and adjacent sea areas. In Russian.

Broadcast given 1 hour earlier when DST is in force.

Maritime Radio Station: Beringovskiy

Call Sign:

Region: WMO REGION: II
METAREA: XIII
Position:
Area Covered: West Pacific/Sea of Japan
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	2 525 kHz			
RT (MF)	B	3 730 kHz			
Radio-telex	C	2 182 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
Continuous broadcast	A-C	24 hour weather forecast for Port Beringovskiy and coastal waters out to 20 n miles from Anadyrskiy Liman to Bukhta Dezhneva. (In Russian)

Note: Station broadcasts only during navigation season (15 May-1 December)

Maritime Radio Station: Dickson

Call Sign: UCI

Region: WMO REGION: II
METAREA: ARCTIC
Position:
Area Covered: Arctic Coast
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
Radio-telex	A	428.6 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0818, 2018		Navigational warnings: Coastal warnings for Karskoye More (including Ostrov Zemlya Frantsa-losifa) and More Laptevykh to 125°E. In Russian.

NOTE: Broadcast given 1 hour earlier when DST is in force.

Call Sign Series: RAA-RZZ, UAA-UIZ

Navtex Station: Kholmsk

Call Sign:

METAREA: XIII

Area Covered: West Pacific coast / Sea of Japan

Region: WMO REGION: II

Position: 47°02'N 142°03'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[B]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0010, 0410, 0810, 1210, 1610, 2010	[B]	Synopsis, weather and sea state forecast for central and southern Okhotskoye More (except coastal waters of Kamchatka), including Tatarskiy Proliv (N of a line through Mys Zolotoy to Mys Soya), Laperuza Proliv and Kuril'skiye Ostrova. In English. Navigational warnings: NAVAREA XIII warnings and warnings for Russian coastal waters including Zaliv Petra Velikogo and NW part of Sea of Japan. In English.

Maritime Radio Station: Magadan

Call Sign: UBY

METAREA: XIII

Area Covered: West Pacific/Sea of Japan

Region: WMO REGION: II

Position: 59°40'N 151°01'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
WT (HF)	A	12 713.5 kHz	UBY		
WT (HF)	A	6 365 kHz	UBY		
WT (HF)	A	4 243 kHz	UBY		
RT (MF)	B	2 400 kHz	Magadan Radio		

Broadcast Times	Frequency ID	Contents of Broadcast
1600	A	Navigational warnings: Coastal warnings fopr NE part of Okhotskoye More. Repeat of broadcast by Petropavlovsk-Kamchatskiy. In Russian.
0300, 1400	A	Synopsis, weather and wave forecast for 24 hours and 48 hour weather forecast for NE part of Okhotskoye More. (In Russian)
0203, 1233	B	Synopsis, weather and wave forecast for 24 hours and 48 hour weather forecast for NE part of Okhotskoye More. (In Russian)
1303	B	(In Russian). Navigational warnings: Coastal warnings fopr NE part of Okhotskoye More. Repeat of broadcast by Petropavlovsk-Kamchatskiy.

Navtex Station: Magadan

Call Sign:

METAREA: XIII

Area Covered: West Pacific/Sea of Japan

Region: WMO REGION: II

Position: 59°41'N 150°09'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[D]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0030, 0430, 0830, 1230, 1630, 2030	[D]	Storm warnings, synopsis and weather forecast for 12 hours for NE Okhotskoye More. In English. Navigational warnings: Coastal warnings for NE Okhotskoye More. In English.

Maritime Radio Station: Okhotsk

Call Sign:

METAREA: XIII

Area Covered: Pacific coast

Region: WMO REGION: II

Position: 59°22'N 143°12'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	2 560 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0550, 1400, 2200	A	24 hour weather and wave forecast and weather forecast for the following 48 hours for W part of Okhotskoye More and coastal waters out to 20 n miles from Zaliv Ayan to Poluostrov Lisyanskiy. (In Russian)
0000	A	Synopsis for W part of okhotskoye More and coastal waters out to 20 n miles from Zalive Ayan to Poluostrov Lisyanskiy. (In Russian)

Navtex Station: Okhotsk **Call Sign:**

METAREA: XIII
Area Covered: Pacific coast

Region: WMO REGION: II
Position: 59°22'N 143°12'E
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[G]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0100, 0500, 0900, 1300, 1700, 2100	[G]	Storm warnings, synopsis and weather forecast for 24 hours for NW Okhotskoye More. In English. Navigational warnings: Coastal warnings for NE Okhotskoye More. In English.

Navtex Station: Petropavlovsk **Call Sign:**

24-hour watch

METAREA: XIII
Area Covered: West Pacific/Sea of Japan

Region: WMO REGION: II
Position: 53°15'N 158°25'E
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[C]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0020, 0420, 0820, 1220, 1620, 2020	[C]	Synopsis and weather forecast for coastal waters of Kamchatka from Mys Utkholokskiy to Mys Kamchatskiy. In English. Navigational warnings: Coastal warnings for coast of Kamchatka from Mys Kamchatskiy. In English.

Maritime Radio Station: Petropavlovsk-Kamchatskiy **Call Sign: UFH**

METAREA: XIII
Area Covered: West Pacific/Sea of Japan

Region: WMO REGION: II
Position: 53°00'N 158°40'E
Radio Address: METEO Petropavlovsk

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
Radio-telex	A	4 210 kHz			
Radio-telex	B	4 233 kHz			
Radio-telex	C	6 314 kHz			
Radio-telex	D	6 360.5 kHz			
Radio-telex	E	8 451 kHz			
Radio-telex	F	12 579 kHz			
Radio-telex	G	12 603 kHz			
Radio-telex	H	17 045 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0900	A, C	In English. Navigational warnings: NAVAREA XIII warnings.
0900	A, C	Summary and synopsis for 24 hours, weather forecats and sea state for 12 hours and forecast for next 24 hours for Penzhinskaya Guba, E part of Zaliv Shelikhova for coastal waters of Poluostrov Kamchatka and Komandorskiy Ostrova (in Okhotskoye More and Bering Sea).
2100	A, C, F	In English. Navigational warnings: NAVAREA XIII warnings and list of numbers of coastal warnings in force.
2100	A, C, F	Summary and synopsis for 24 hours, weather forecats and sea state for 12 hours and forecast for next 24 hours for Penzhinskaya Guba, E part of Zaliv Shelikhova for coastal waters of Poluostrov Kamchatka and Komandorskiy Ostrova (in Okhotskoye More and Bering Sea).
0000	B, D, E, H	Navigational warnings: List of numbers of coastal warnings in force. In English.
0700	B, D, G	Navigational warnings: List of numbers of coastal warnings in force. In English.

Maritime Radio Station: Vladivostok **Call Sign: UFL, UFZ**

24-hour watch

METAREA: XIII
Area Covered: West Pacific/Sea of Japan

Region: WMO REGION: II
Position: 43°07'N 131°53'E
Radio Address: METEO Vladivostok

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
WT (HF)	**A**	4 241 kHz			
Radio-telex	**A**	17 175.2 kHz			
Radio-telex	**A**	12 729 kHz			
Radio-telex	**A**	8 595 kHz			
Radio-telex	**A**	3 165 kHz			
WT (HF)	**B**	6 430 kHz			
WT (HF)	**C**	12 870 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
2330 (Sunday)	**A**	In Russian. Navigational warnings: List of numbers of NAVAREA warnings in force for areas X-XII for the last 6 weeks.
1100, 2300	**A**	Navigational warnings: List of numbers of NAVAREA XIII warnings in force. NAVAREAS XIII warnings. List of numbers of coastal warnings for NAVAREA XIII. Coastal warnings. In English.
2330	**A**	Synopsis, storm warnings, weather and wave forecast for 12 hours for Sea of Japan. Navigational warnings: List of numbers of coastal warnings for NAVAREA XIII in force. Repeat of broadcast by Vladivostok (UFZ) and Petropavlovsk-Kamchatskiy. List of numbers of NAVAREA XIII warnings. NAVAREA XIII warnings.
2330	**A**	Navigational warnings: NAVAREA XIII warnings and coastal warnings. In Russian.
1100, 2300	**A**	Navigational warnings: NAVAREA XIII warnings and coastal warnings. In English.
2300	**A**	Storm warnings and 24 hour weather forecast for Okhotskoye More, Bering Sea, Sea of Japan N of 42° and NW Pacific Ocean from Kuril'skiye Ostrova to 180° E/W to N of 45°N. Storm warnings and 12 hour weather forecast for Russian coastal waters in the Sea of Japan. In English.
1130	**A**	Synopsis, storm warnings, weather and wave forecast for 24 hours for Sea of Japan. (In Russian). Navigational warnings: List of numbers of coastal warnings for NAVAREA XIII in force. Repeat of broadcast by Vladivostok (UFZ) and Petropavlovsk-Kamchatskiy. List of numbers of NAVAREA XIII warnings. NAVAREA XIII warnings.
1100	**A**	Storm warnings and 24 hour weather forecast, for Okhotskoye More, Bering Sea, Sea of Japan N of 42° and NW Pacific Ocean from Kuril'skiye Ostrova to 180°E/W to N of 45°N. Storm warnings and 24 hour weather forecast for Russian coastal waters in the Sea of Japan. In English.
2330	**A, B**	Navigational warnings: NAVAREA XIII warnings and coastal warnings. In Russian.
0030	**A, C**	Navigational warnings: Warnings for coastal waters of Russia in the Sea of Japan, Tatarskiy Proliv, SW part of the Okhotskoye More to Zaliv Ayan, Ostrov Sakhalin (including Proliv Laperuza) and S part of Kuril'skiye Ostrova to S end of Ostrov Ketoy. In Russian.
2200	**A, C**	Storm warnings, synopsis, weather and wave forecast for 12 hours for Sea of Japan and Proliv Tsugaru. In Russian.
0030	**A, C**	Navigational warnings: Coastal warnings for coastal waters of Russia in the Sea of Japan, Tatarskiy Proliv, SW part of the Okhotskoye More to Zaliv Ayan, Ostrov Sakhalin (including Proliv Laperuza) and S part of Kuril'skiye Ostrova to S end of Ostrov Ketoy.
2200	**A, C**	Storm warnings, synopsis, weather and wave forecast for 12 hours for Sea of Japan and Proliv Tsugaru. (In Russian)

0630	**A, C**	Storm warnings, synopsis, weather and wave forecast for 24 hours for Sea of Japan and Proliv Tsugaru. (In Russian)
0630	**A, C**	Storm warnings, synopsis, weather and wave forecast for 24 hours for Sea of Japan and Proliv Tsugaru. (In Russian)

Navtex Station: Vladivostok **Call Sign:**

METAREA: XIII

Area Covered: West Pacific/Sea of Japan

Region: WMO REGION: II

Position: 42°23'N 131°54'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[A]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0000, 0400, 0800, 1200, 1600, 2000	[A]	Weather forecast for Russian coastal waters including Zaliv Petra Velikogo and NW part of Sea of Japan. In English. Navigational warnings: NAVAREA XIII warnings for Russian coastal waters including Zaliv Petra Velikogo and NW part of Sea of Japan. In English.

Maritime Radio Station: Yuzhno-Sakhalinsk **Call Sign: UHO-2**

Region: WMO REGION: II
Position:
Radio Address:

METAREA: XIII
Area Covered: Pacific coast

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
WT (HF)	**A**	8 180 kHz			
WT (HF)	**B**	11 025 kHz			
RT (HF)	**C**	6 997 kHz			
RT (HF)	**C**	4 030 kHz			
RT (HF)	**D**	5 170 kHz			
RT (HF)	**D**	4 480 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0630	**A, B, D**	24 hour weather and wave forecst and weather forecast for the following 48 hours for W and SW parts of Okhotskoye More, Kuril'skiye Ostrova, Amurskiy Liman, Zaliv Sakhalinskiy, Zaliv Terpeniya, proliv Laperuza and Proliv Laperuza and Proliv Tartarskiy (including coastal waters out to 20 n miles).
0130	**A, B, D**	12 hour weather and wave forecast for W and SW parts of Okhotskoye More, Kuril'skiye Ostrova, Amurskiy Liman, Zaliv Aniva, Zaliv Sakhalinskiy, Zaliv Terpeniya, Proliv Laperuza and Proliv Tartarskiy (including coastal waters out to 20 n miles).
1900	**A, C**	12 hour weather and wave forecast for W and SW parts of Okhotskoye More, Kuril'skiye Ostrova, Amurskiy Liman, Zaliv Aniva, Zaliv Sakhalinskiy, Zaliv Terpeniya, Proliv Laperuza and Proliv Tartarskiy (including coastal waters out to 20 n miles).

Commercial Station: ZIZ Radio, S. Kitts **Call Sign:**

Region: WMO REGION: IV

METAREA: IV

Position:

Area Covered:

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	**A**	555 kHz			
FM	**B**	96.0 MHz			

Broadcast Times	Frequency ID	Contents of Broadcast
Mon-Sat: 0725, 1225, 1915 LT	**A, B**	Hurricane warnings and situation development (if any in force), forecast, synopsis, analysis, sea state for the coastal waters of S. Kitts, Leeward Islands and eastern Caribbean. In English.
On receipt	**A, B**	Hurricane warnings and situation development broadcast only during the hurricane season for the Leeward Islands. In English.

NOTE: If there is a hurricane threat to the Leeward Islands the station will operate H24.

Commercial Station: Radio Caribbean International, Saint Lucia **Call Sign:**

Region: WMO REGION: IV

METAREA: IV

Position:

Area Covered:

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	A	550 kHz			
AM	B	840 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt Repeated as necessary	A, B	Hurricane warnings for E Caribbean Sea, Lesser Antilles and adjacent Atlantic waters. In English.

Commercial Station: Radio Saint Lucia (Saint Lucia Broadcasting Corp) **Call Sign:**

Region: WMO REGION: IV

METAREA: IV

Position:

Area Covered:

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	A	660 kHz			
FM	B	97.7 MHz			
FM	C	99.5 MHz			
FM	D	103.3 MHz			
FM	E	107.3 MHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0632, 1330, 1830 LT after the news	A-E	Forecast, synopsis, analysis, wind strength, sea swell for the coastal waters of Saint Lucia. In English.
On receipt Repeated as necessary	A-E	Hurricane warnings for coastal waters of Saint Lucia. In English.

Commercial Station: NBC Radio Saint-Vincent and the Grenadines

Call Sign:

Region: WMO REGION: IV

METAREA: IV

Position:

Area Covered:

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
FM	**A**	89.7 MHz			
FM	**B**	90.7 MHz			
FM	**C**	107.5 MHz			

Broadcast Times	Frequency ID	Contents of Broadcast
Mon-Sat: 1242, 1845 LT	**A-C**	Local weather forecast.
Mon-Sat: 0632, 0745 LT	**A-C**	Local weather update including a marine forecast.
0905, 1255 1740 LT (Hurricane season)	**A-C**	Tropical weather updates.

Navtex Station: Dammam — Call Sign: HZG

METAREA: IX
Area Covered: Persian Gulf

Region: WMO REGION: II
Position: 26°26'N 50°06'E
Radio Address: OBS METEO Jeddah

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[G]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0100, 0500, 0900, 1300, 1700, 2100	[G]	Gale warnings, synopsis, 24 hour forecast for all areas. In English. Navigational warnings: Local warnings for Ra's Tannurah and Ra's Al Ju'aymah. For the Saudi Arabian waters of the Persian Gulf and the Red Sea. Loran-C warnings for Saudi Arabian North Chain. In English.

Maritime Radio Station: Jeddah — Call Sign: HZH

24-hour watch

METAREA: IX
Area Covered: Red Sea Coast, Gulf of Aden (see map)

Region: WMO REGION: II
Position: 21°23'N 39°10'E
Radio Address: OBS METEO Jeddah

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	1 726 kHz			
VHF	B	Ch 25			

Broadcast Times	Frequency ID	Contents of Broadcast
0333, 0733, 1133, 1533, 1933, 2333		Navigational warnings: For the Red Sea coastal waters of Saudi Arabia.
On request		Gale warnings, synopsis, 24 hour forecast for areas RSN, RSS, GAA and approaches. FM 61-IV MAFOR
		Navigational warnings: For the Red Sea coastal waters of Saudi Arabia.
0533, 1133, 1733, 2333		Gale warnings, synopsis, 24 hour forecast for areas RSN, RSS, GAA and approaches. FM 61-IV MAFOR

Navtex Station: Jeddah **Call Sign:**

METAREA: IX
Area Covered: Red Sea Coast

Region: WMO REGION: II
Position: 21°23'N 39°11'E
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[H]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0110, 0510, 0910, 1310, 1710, 2110	[H]	Gale warnings, synopsis, 24 hour forecast for areas RSN, RSS, GAA and approaches. In English. Navigational warnings: For the Red Sea coastal waters of Saudi Arabia. In English.

Maritime Radio Station: Seychelles **Call Sign:**

Region: WMO REGION: I
METAREA: VIII(S) **Position:** 34°37'S 55°26'E
Area Covered: **Radio Address:**

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	**A**	8 770 kHz	(818)		

Broadcast Times	Frequency ID	Contents of Broadcast
0518, 1548	**A**	For Area within 200 n miles of Seychelles. In English.

Navtex Station: Singapore (Changi) **Call Sign: 9VG**

24-hour watch

METAREA: XI

Area Covered: East/South China Sea

Region: WMO REGION: V

Position: 01°21'N 103°59'E

Radio Address: METEO Singapore
Maritime Radio Telex
: SITOR/ARQ

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[C]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0220, 0420, 0820, 1220, 1620, 2020	[C]	Navigational warnings: For the South China Sea, Malacca Straits and Bay of Bengal. In English.
0220, 1220	[C]	Storm warnings, situation for the South China Sea, Malacca Straits, Andaman Sea. 12 hour forecast for Phuket, Melaka, Tioman, Bunguran, Condore, Reef. In English.

Maritime Radio Station: Honiara **Call Sign:**

Region: WMO REGION: V
Position: 09°26'S 160°04'E
Radio Address:

METAREA: X
Area Covered:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	**A**	6 215 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt/On Request: Nov-April	**A**	Cyclone reports.

Maritime Radio Station: Cape Naval **Call Sign: ZSJ**

Region: WMO REGION: I

METAREA: VII

Position:

Area Covered:

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
Radio-telex	**A**	4 014 kHz			1600-0600
Radio-telex	**B**	7 508 kHz			H24
Radio-telex	**C**	13 538 kHz			H24
Radio-telex	**D**	18 238 kHz			0600-1600

Broadcast Times	Frequency ID	Contents of Broadcast
0930, 1700	**A-D**	Forecast for coastal waters and adjacent high seas. Synopsis for high seas.

Note: The AFMET ZSJ Radio Weather Facsimile Service is interrupted twice daily for the Radio-Telex broadcast. For Radio-facsimile see Cape Naval (NAVCOMCEN Cape).

Maritime Radio Station: Cape Town — Call Sign: ZSC

24-hour watch

Region: WMO REGION: I
Position: 33°53'S 18°30'E
Radio Address: MET Pretoria

METAREA: VII

Area Covered: South Atlantic - The whole ocean area south of the Equator and of the African coast between 20°W and 20°E. The Mozambique Channel south of 15°S and the sea area from 25°S to 30°S between the African coast and 45°E. The whole ocean area south of 30°S and of the African coast between 20°E and 70°E.

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	**A**	8 740 kHz	(808)		
RT (HF)	**A**	13 146 kHz	(1224)		
RT (HF)	**A**	4 375 kHz	(407)		
VHF	**B**	Ch 24		Kareedouw 34°02'S 24°26'E	
VHF	**B**	Ch 86		Albertinia 34°12'S 21°42'E	
VHF	**B**	Ch 04		Alexander Bay 28°40'S 16°30'E	
VHF	**B**	Ch 26		Bluff (Durban) 29°48'S 30°48'E	
VHF	**B**	Ch 25 27		Botha's Hill 33°59'S 25°16'E	
VHF	**B**	Ch 25		Cape S. Lucia 28°30'S 32°24'E	
VHF	**B**	Ch 26		Constantiaberg 34°03'S 18°23'E	
VHF	**B**	Ch 03		Doringbaai 31°49'S 18°13'E	
VHF	**B**	Ch 26		East London 33°00'S 27°55'E	
VHF	**B**	Ch 23		Elandsbaai 32°19'S 18°19'E	
VHF	**B**	Ch 83		Governorskop 33°17'S 26°42'E	
VHF	**B**	Ch 25		Hondeklipbaai 30°30'S 17°25'E	
VHF	**B**	Ch 84		Struisbaai 34°50'S 20°00'E	
VHF	**B**	Ch 23		Knysna 34°04'N 23°10'E	
VHF	**B**	Ch 01		Kosi Bay 26°59'S 32°45'E	
VHF	**B**	Ch 28		Mazeppa Bay 32°26'S 28°28'E	
VHF	**B**	Ch 25		Milnerton 33°52'S 18°20'E	
VHF	**B**	Ch 85		Pearly Beach 34°40'S 19°30'E	
VHF	**B**	Ch 27		Port Edward 31°03'S 30°13'E	
VHF	**B**	Ch 01		Port Nolloth 29°17'S 16°53'E	
VHF	**B**	Ch 24		Port S. Johns 31°38'S 29°33'E	
VHF	**B**	Ch 26		Port Shepstone 30°44'S 30°27'E	
VHF	**B**	Ch 28		Richards Bay 28°47'S 32°06'E	
VHF	**B**	Ch 27		Saldanha Bay 33°02'S 17°55'E	
VHF	**B**	Ch 03		Sodwana 27°29'S 32°36'E	
VHF	**B**	Ch 04		Hermanus 34°25'S 19°13'E	

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt 1015, 1815 (after weather bulletin)	A-B	Navigational warnings: NAVAREA VII and coastal warnings in force.
On request	A-B	High seas weather forecast.
1333	A-B	Coastal weather reports comprising 1200 UTC observations from various stations combined and presented as one broadcast.
On receipt on Ch 16 & 2182 kHz	A-B	Storm warnings.
1015, 1815	A-B	Storm, Gale and cyclone warnings, synopsis and forecast for areas 3-5, 11, 12, 14 and 15.

NOTE:
VHF broadcasts are announced simultaneously through VHF Ch 16 before being broadcast through the allocated remote transmitter site(s).

Navtex Station: Cape Town — Call Sign: ZSC

24-hour watch

Region: WMO REGION: I
Position: 33°41'S 18°43'E
Radio Address: MET Pretoria

METAREA: VII

Area Covered: South Atlantic - The whole ocean area south of the Equator and of the African coast between 20°W and 20°E. The Mozambique Channel south of 15°S and the sea area from 25°S to 30°S between the African coast and 45°E. The whole ocean area south of 30°S and of the African coast between 20°E and 70°E.

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[C]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
1220, 1620	[C]	Coastal weather bulletins: Gale warnings, forecast for areas 1-5, 11 and 12. In English. Navigational warnings: NAVAREA VII local and coastal warnings for the area from the Orange River to Mosselbay are repeated daily at routine times for as long as they remain in force. Areas of responsibility have been defined with overlaps in each case. The overlap is expanded in cases of emergency.
0020, 0420, 0820, 2020	[C]	Navigational warnings: NAVAREA VII local and coastal warnings for the area from the Orange River to Mosselbay are repeated daily at routine times for as long as they remain in force. Areas of responsibility have been defined with overlaps in each case. The overlap is expanded in cases of emergency.

Navtex Station: Durban **Call Sign: ZSD**

24-hour watch

Region: WMO REGION: I
Position: 29°48'S 30°49'E
Radio Address: MET Pretoria

METAREA: VII

Area Covered: Indian Ocean/Arab.Gulf/Red Sea
Coastal waters 50 miles (approximately 100 km) seawards between Agulhas and Maputo, the Mozambique Channel south of 15°S latitude and the area Durban East (see map)

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[O]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
1020, 1820	[O]	Coastal weather bulletins: Gale warnings, forecast for areas 4, 5, 12, 14, 15. Navigational warnings: NAVAREA VII local and coastal warnings for the area from the East London to Maputo are repeated daily at routine times for as long as they remain in force. Areas of responsibility have been defined with overlaps in each case. The overlap is expanded in cases of emergency.
0220, 0620, 1420, 2220	[O]	Navigational warnings: NAVAREA VII local and coastal warnings for the area from the East London to Maputo are repeated daily at routine times for as long as they remain in force. Areas of responsibility have been defined with overlaps in each case. The overlap is expanded in cases of emergency.

Navtex Station: Port Elizabeth **Call Sign: ZSQ**

24-hour watch

Region: WMO REGION: I

METAREA: VII

Position: 34°02'S 25°33'E

Area Covered: The whole ocean area south of the Equator and of the African coast between 20°W and 20°E. The Mozambique Channel south of 15°S and the sea area from 25°S to 30°S between the African coast and 45°E. The whole ocean area south of 30°S and of the African coast between 20°E and 70°E.

Radio Address: MET Pretoria

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[I]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0920, 1720	[I]	Coastal weather bulletins: Gale warnings and forecasts. Navigational warnings: NAVAREA VII local and coastal warnings for the area from the Cape Agulhas to Port Edward are repeated daily at routine times for as long as they remain in force. Areas of responsibility have been defined with overlaps in each case. The overlap is expanded in cases of emergency.
0120, 0520, 1320, 2120	[I]	Navigational warnings: NAVAREA VII local and coastal warnings for the area from the Cape Agulhas to Port Edward are repeated daily at routine times for as long as they remain in force. Areas of responsibility have been defined with overlaps in each case. The overlap is expanded in cases of emergency.

Marine Rescue Co-ordination Centre: Algeciras (MRSC)

Call Sign:

Region: WMO REGION: VI
METAREA: II
Position: 36°07'N 05°26'W
Area Covered: Mediterranean Coast
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 74			

Broadcast Times	Frequency ID	Contents of Broadcast
On request	**A**	In Spanish and English.
0315, 0515, 0715, 1115, 1515, 1915, 2315	**A**	Weather bulletins. In Spanish and English.

Marine Rescue Co-ordination Centre: Almería (MRCC)

Call Sign:

Region: WMO REGION: VI
METAREA: III
Position:
Area Covered: Mediterranean Coast
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 74		36°50'N 2°29'W	
VHF	**B**	Ch 74		36°43'N 2°12'W	

Broadcast Times	Frequency ID	Contents of Broadcast
Every odd H+15	**A**	In Spanish and English.
Every odd H+15	**A**	Gale warnings, synopsis and forecast for areas Alborán and Palos. In Spanish and English.
Every odd H+15	**A, B**	Gale warnings, synopsis and forecast for coasta of Murcia, Almeria, Granada, Melilla and Isla de Alborán. In Spanish and English.

Marine Rescue Co-ordination Centre: Barcelona (MRCC)

Call Sign:

Region: WMO REGION: VI
Position: 41°20'N 02°09'E
Radio Address:

METAREA: III
Area Covered: Mediterranean Coast

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 10			

Broadcast Times	Frequency ID	Contents of Broadcast
0500, 0900, 1400, 1900 (summer) 0600, 1000, 1500, 2000, (winter)	A	Weather bulletins. In Spanish and English.

Maritime Radio Station: Bilbao (CCR)

Call Sign:

24-hour watch

Region: WMO REGION: VI
Position:
Radio Address:

METAREA: II
Area Covered: Atlantic Coast

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	1 707 kHz		Machichaco 43°27'N 2°45'W	
RT (MF)	A	1 677 kHz		Cabo Peñas 43°39'N 5°51'W	
VHF	B	Ch 24		Santander 43°25'N 3°36'W	
VHF	B	Ch 27		Pasajes 43°17'N 1°55'W	
VHF	B	Ch 60		Navia 43°25'N 6°50'W	
VHF	B	Ch 26		Bilbao 43°22'N 3°02'W	

Broadcast Times	Frequency ID	Contents of Broadcast
1303	A	Storm warnings, synopsis and 48 hour forecast for Atlantic areas. In Spanish.
0703, 1903	A	Storm warnings, synopsis and 24 hour forecast for Atlantic areas. In Spanish.
		Navigational warnings: After weather bulletin: For area from French/Spanish border to 6°W.
1240	B	48 hours forecast for coastal areas. In Spanish.
0840, 2010	B	Weather warnings for coastal areas. In Spanish.
		Navigational warnings: After weather bulletin: Coastal warnings.

Marine Rescue Co-ordination Centre: Bilbao (MRCC)

Call Sign:

Region: WMO REGION: VI
Position: 43°21'N 03°02'W
Radio Address:

METAREA: II
Area Covered: Atlantic Coast

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 10			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt	A	In Spanish and English. Navigational warnings: provisional broadcast an official warning will be broadcast by Coast Radio Stations.
0233, 0633, 1033, 1433, 1833, 2233	A	High seas: gale warnings and forecast. In Spanish and English.
0033, 0433, 0833, 1233, 1633, 2033	A	Coastal waters: gale warnings and forecast. In Spanish and English.
On receipt Every even H+33	A	Storm warnings.

Marine Rescue Co-ordination Centre: Cádiz (MRSC)

Call Sign: EAC

24-hour watch

Region: WMO REGION: VI
Position: 36°32'N 06°17'W
Radio Address: METEO Madrid

METAREA: II
Area Covered: Atlantic Coast

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 74			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt	A	Weather bulletins. In Spanish and English. Navigational warnings: Provisional broadcast an official warning will be broadcast by Coast Radio Stations.
0315, 0715, 1115, 1515, 1915, 2315	A	Weather bulletins. In Spanish and English.

Marine Rescue Co-ordination Centre: Cartagena (MRSC)

Call Sign:

Region: WMO REGION: VI
Position: 37°35'N 00°58'W
Radio Address:

METAREA: III
Area Covered: Mediterranean Coast

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 10			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt	A	In Spanish and English. Navigational warnings: Provisional broadcast , an official warning will be broadcast by Coast Radio Stations.
0115, 0515, 0915, 1315, 1715, 2115	A	Weather bulletins. In Spanish and English.

Marine Rescue Co-ordination Centre: Castellón (MRSC)

Call Sign:

Region: WMO REGION: VI
Position: 39°58'N 00°01'E
Radio Address:

METAREA: III
Area Covered: Mediterranean Coast

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 74			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt	A	In Spanish and English. Navigational warnings: Provisional broadcast , an official warning will be broadcast by Coast Radio Stations.
0900, 1400, 1900	A	Weather bulletins. In Spanish and English.

Maritime Radio Station: Coruña (CCR) **Call Sign:**

24-hour watch

Region: WMO REGION: VI

METAREA: II

Position:

Area Covered: North Atlantic to Barents Sea

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	1 764 kHz		Finisterre 42°54'N 9°16'W	
RT (MF)	**A**	1 698 kHz		Coruña 43°22'N 8°27'W	
VHF	**B**	Ch 65		Vigo 42°10'N 08°41'W	
VHF	**B**	Ch 21		La Guardia 41°53'N 8°52'W	
VHF	**B**	Ch 22		Finisterre 42°54'N 9°16'W	
VHF	**B**	Ch 26		Coruña 43°22'N 8°27'W	
VHF	**B**	Ch 02		Cabo Ortegal 43°35'N 7°47'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0005, 0405, 0805, 1205, 1605, 2005	**A**	Navigational warnings: Provisional broadcast, an official warning will be broadcast by Coast Radio Stations. In Spanish and English.
1303	**A**	Storm warnings, synopsis and 48 hour forecast for Atlantic areas. (In Spanish)
0703, 1903	**A**	Storm warnings, synopsis and 24 hour forecast for Atlantic areas. (In Spanish). Navigational warnings: After weather bulletin: General warnings.
1240	**B**	48 hours forecast for coastal areas. In Spanish.
0840, 2010	**B**	Weather warnings for coastal areas. In Spanish. Navigational warnings: After weather bulletin: Coastal warnings.

Marine Rescue Co-ordination Centre: Coruña (MRSC)

Call Sign: EAR

24-hour watch

METAREA: II

Area Covered: North Atlantic to Barents Sea

Region: WMO REGION: VI

Position: 33°22'N 08°23'W

Radio Address: METEO Madrid

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 10			

Broadcast Times	Frequency ID	Contents of Broadcast
0005, 0405, 0805, 1205, 1605, 2005	A	In Spanish and English. Navigational warnings: Provisional broadcast , an official warning will be broadcast by Coast Radio Stations.

Navtex Station: Coruña (MRSC)

Call Sign: EAR

METAREA: II

Area Covered: North Atlantic to Barents Sea

Region: WMO REGION: VI

Position: 33°22'N 08°23'W

Radio Address: METEO Madrid

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[W]	490 kHz (1)			
MSI	[D]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0340, 0740, 1140, 1540, 1940, 2340	[W]	Storm warnings, synoptic situation and development and forecat valid for 24 hours for N Atlantic within 450 n miles of coast. In Spanish. Navigational warnings: NAVAREA II warnings and coastal warnings. In Spanish.
0030, 0430, 1230, 1630	[D]	Navigational warnings: NAVAREA II warnings and coastal warnings. In English.
0830, 2030	[D]	Storm warnings, synoptic situation and development and forecat valid for 24 hours for N Atlantic within 450 n miles of coast. In English.

(1) On trial.

Marine Rescue Co-ordination Centre: Finisterre (MRCC)

Call Sign:

Region: WMO REGION: VI
METAREA: II
Position: 42°42'N 8°59'W
Area Covered: Atlantic Coast
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 11			

Broadcast Times	Frequency ID	Contents of Broadcast
H+33 every 4 hours commencing 0033	**A**	In Spanish and English. Navigational warnings: Provisional broadcast , an official warning will be broadcast by Coast Radio Stations.
H+33 every 4 hours commencing 0233	**A**	Weather bulletins. In Spanish and English.

Marine Rescue Co-ordination Centre: Gijón (MRCC)

Call Sign:

Region: WMO REGION: VI
METAREA: II
Position: 43°34'N 05°42'W
Area Covered: Mediterranean Sea/Black Sea
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 10			

Broadcast Times	Frequency ID	Contents of Broadcast
Every H+15	**A**	In Spanish and English. Navigational warnings: Provisional broadcast , an official warning will be broadcast by Coast Radio Stations.
Every even H+15 (0215-2215)	**A**	Weather bulletins. In Spanish and English.

Marine Rescue Co-ordination Centre: Huelva (MRSC) **Call Sign:**

METAREA: III
Area Covered: Mediterranean Sea/Black Sea

Region: WMO REGION: VI
Position: 37°15'N 05°56'W
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 10			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt		In Spanish and English. Navigational warnings: Provisional broadcast , an official warning will be broadcast by Coast Radio Stations.
0415, 0815, 1215, 1615, 2015		Weather bulletins. In Spanish and English.

Maritime Radio Station: Málaga (CCR) **Call Sign:**

24-hour watch

Region: WMO REGION: VI
Position: -
Radio Address:

METAREA: III
Area Covered: Mediterranean Coast

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	1 704 kHz		Tarifa 36°03'N 5°33'W	
RT (MF)	**A**	1 656 kHz		Chipiona 36°41'N 6°25'W	
VHF	**B**	Ch 81		Tarifa 36°03'N 5°33'W	
VHF	**B**	Ch 26		Malaga 36°36'N 4°36'W	
VHF	**B**	Ch 26		Cádiz 36°21'N 6°17'W	
VHF	**B**	Ch 27		Cabo Gata 36°43'N 2°12'W	

Broadcast Times	Frequency ID	Contents of Broadcast
1233	**A**	Storm warnings, synopsis and 48 hour forecast for Mediterranean and Atlantic areas. In Spanish.
0733, 1933	**A**	Storm warnings, synopsis and 24 hour forecast for Mediterranean and Atlantic areas. Navigational warnings: After weather bulletin - general warnings.
1133	**B**	48 hours forecast for coastal areas. In Spanish.
0833, 2003	**B**	Weather warnings for coastal areas. In Spanish. Navigational warnings: After weather bulletin - general warnings.

Marine Rescue Co-ordination Centre: Palamós (MRSC)

Call Sign:

Region: WMO REGION: VI
METAREA: III
Position: 41°51'N 3°07'E
Area Covered: Mediterranean Coast
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 13			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt	A	In Spanish and English. Navigational warnings: Provisional broadcast , an official warning will be broadcast by Coast Radio Stations.
0630, 0930, 1330, 1830	A	Weather bulletins. In Spanish and English.

Marine Rescue Co-ordination Centre: Palma (MRCC)

Call Sign: EAO

24-hour watch

Region: WMO REGION: VI
METAREA: III
Position: 39°34'N 02°39'E
Area Covered: Mediterranean Coast
Radio Address: METEO Madrid

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 10			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt	A	In Spanish and English. Navigational warnings: Provisional broadcast , an official warning will be broadcast by Coast Radio Stations.
0635, 0935, 1435, 1935 (summer) 0735, 1035, 1535, 2035 (winter)	A	Weather bulletins. In Spanish and English.

Marine Rescue Co-ordination Centre: Santander (MRSC)

Call Sign:

Region: WMO REGION: VI
Position: 43°27'N 03°49'W
Radio Address:

METAREA: II
Area Covered: Mediterranean Sea/Black Sea

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 74			

Broadcast Times	Frequency ID	Contents of Broadcast
0045, 0045, 0845, 1245, 1645, 2045	A	In Spanish and English. Navigational warnings: Provisional broadcast , an official warning will be broadcast by Coast Radio Stations.
0245, 0645, 1045, 1445, 1845, 2245	A	Weather bulletins. In Spanish and English.

Marine Rescue Co-ordination Centre: Tarifa (MRCC)

Call Sign:

Region: WMO REGION: VI
Position: 36°01'N 05°35'W
Radio Address:

METAREA: II
Area Covered: West Mediterranean and North Atlantic within 450 miles from coast (see map)

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 10 67			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt	A	In Spanish and English. Navigational warnings: For the Strait of Gibraltar between the meridians of Cabo Espartell Lt (35°47'N 5°56'W) and Punta Almina Lt (35°54'N 5°17'W).
Every even H+15	A	Actual wind and visibility at Tarifa, followed by foecast for Strait of Gibraltar, Cádiz Bay and Alborán. In Spanish and English. Navigational warnings: Fog (visibility) warnings: broadcasts area more frequent when visibility falls below 2 n miles.

Navtex Station: Tarifa (MRCC)

Call Sign:

METAREA: II

Area Covered: West Mediterranean and North Atlantic within 450 miles from coast (see map)

Region: WMO REGION: VI

Position: 36°01'N 05°35'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[T]	490 kHz (1)			
MSI	[G]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0310, 0710, 1110, 1510, 1910, 2310	[T]	Storm warnings, synoptic situation and development and forecat valid for 24 hours for N Atlantic areas San Vicente, Cadiz and Casablanca and West Mediterranean Sea within 450 n miles of coast. In Spanish. Navigational warnings: NAVAREA II warnings and coastal warnings from Portuguese border to Europa Point (Gibraltar). In Spanish.
0100, 0500, 1300, 1700	[G]	Navigational warnings: NAVAREA II warnings and coastal warnings from Portuguese border to Europa Point (Gibraltar). In English.
0900, 2100	[G]	Storm warnings, synoptic situation and development and forecat valid for 24 hours for N Atlantic areas San Vicente, Cadiz and Casablanca and West Mediterranean Sea within 450 n miles of coast. In English.

Marine Rescue Co-ordination Centre: Tarragona (MRSC)

Call Sign:

METAREA: III

Area Covered: Mediterranean Coast

Region: WMO REGION: VI

Position: 41°06'N 01°14'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 74			

Broadcast Times	Frequency ID	Contents of Broadcast
0430, 0830, 1430, 1930 (summer) 0530, 0930, 1530, 2030 (winter)	A	Weather bulletins. In Spanish and English.

Navtex Station: Valencia (Cabo de la Nao) **Call Sign:**

METAREA: III

Area Covered: North Atlantic within 450 miles from coast (see map)

Region: WMO REGION: VI

Position: 38°43'N 00°09'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[M]	490 kHz (1)			
MSI	[X]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0200, 0600, 1000, 1400, 1800, 2200	[M]	Storm warnings, synoptic situation and development and forecast valid for 24 hours for West Mediterranean Sea within 450 n miles of coast. In Spanish. Navigational warnings: NAVAREA III warnings and coastal warnings for the Mediterranean coast of Spain and Islas Baleares. In Spanish.
0750, 1950	[M]	Storm warnings, synoptic situation and development and forecast valid for 24 hours for N Atlantic areas San Vicente, Cadiz and Casablanca and West Mediterranean Sea within 450 n miles of coast. In English.
0350, 0750, 1150, 1550, 1950, 2350	[X]	Navigational warnings: NAVAREA III warnings and coastal warnings for the Mediterranean coast of Spain and Islas Baleares. In English.

Maritime Radio Station: Valencia (CCR) **Call Sign:**

24-hour watch

Region: WMO REGION: VI

METAREA: III

Position:

Area Covered: Mediterranean Coast

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	1 767 kHz		Cabo Gata 36°43'N 2°12'W	
RT (MF)	**A**	1 755 kHz		Palma 39°21'N 2°58'E	
VHF	**B**	Ch 23		Tarragona 41°21'N 1°32'E	
VHF	**B**	Ch 20		Palma 39°44'N 2°43'E	
VHF	**B**	Ch 85		Menorca 39°59'N 4°07'E	
VHF	**B**	Ch 03		Ibiza 38°55'N 1°01'E	
VHF	**B**	Ch 25		Castellon 39°52'N 0°19'W	
VHF	**B**	Ch 04		Cartagena 37°35'N 0°58'W	
VHF	**B**	Ch 01		Cabo de la Nao 38°43'N 0°10'W	
VHF	**B**	Ch 60		Barcelona 41°25'N 2°07'E	
VHF	**B**	Ch 23		Bagur 42°17'N 3°15'E	
VHF	**B**	Ch 23		Bagur 42°17'N 3°15'E	
VHF	**B**	Ch 85		Alicante 38°20'N 0°42'W	

Broadcast Times	Frequency ID	Contents of Broadcast
1303	**A**	Storm warnings, synopsis and 48 hour forecast for Mediterranean areas. In Spanish.
0750, 1950	**A**	Storm warnings, synopsis and 24 hour forecast for Mediterranean areas. In Spanish.
		Navigational warnings: After weather bulletin - general warnings.
1410	**B**	48 hours forecast for coastal areas. In Spanish.
0910, 2110	**B**	Weather warnings for coastal areas. In Spanish.
		Navigational warnings: After weather bulletin - coastal warnings.

Marine Rescue Co-ordination Centre: Valencia (MRCC)

Call Sign:

Region: WMO REGION: VI
Position: 39°27'N 00°20'W
Radio Address:

METAREA: III
Area Covered: Mediterranean Coast

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 10			

Broadcast Times	Frequency ID	Contents of Broadcast
Every even H+15	A	For coastal waters of Alicante, Valencia, Castellon and Mar de Palos, Argelia and Islas Baleares. In Spanish and English. Navigational warnings: For coastal waters of Alicante, Valencia, Castellon and Mar de Palos, Argelia and Islas Baleares.

Marine Rescue Co-ordination Centre: Vigo (MRSC)

Call Sign:

Region: WMO REGION: VI
Position: 42°14'N 08°44'W
Radio Address:

METAREA: II
Area Covered: Mediterranean Sea/Black Sea

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 10			

Broadcast Times	Frequency ID	Contents of Broadcast
0215, 0615, 1015, 1415, 1815, 2215	A	In Spanish and English. Navigational warnings: Provisional broadcast , an official warning will be broadcast by Coast Radio Stations.
0015, 0415, 0815, 1215, 1615, 2015	A	Weather bulletins. In Spanish and English.

Maritime Radio Station: Colombo **Call Sign: 4PB**

24-hour watch

Region: WMO REGION: II
Position: 06°55'N 079°53'E
Radio Address: METEO Colombo

METAREA: VIII(N)
Area Covered: Sea areas from 10°N to the Equator between 60°E and 95°E.

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
WT (MF)	**A**	482 kHz			
WT (HF)	**B**	8 473 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt 0600, 0900, 1330 On request	**A, B**	Navigational warnings: For area within 200 n miles of Colombo. In English.
0600, 1300	**A, B**	Forecast, for Sri Lanka and vicinity. In English.
0530, 1330	**A, B**	Gale warnings, synopsis, forecast for Areas E00-E95.

ST. PIERRE AND MIQUELON

Call Sign Series:

Commercial Station: Radio-France Outre-Mer (RFO), Saint-Pierre

Call Sign:

Region: WMO REGION: IV

METAREA: IV

Position:

Area Covered: Islands, South and South-Western coasts of Newfoundland, Grand-Banks and Banquereau

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
FM	**A**	98.9 MHz		Point au Cheval / Miquelon	
FM	**B**	99.9 MHz		Cap à l'Aigle / Saint-Pierre	

Broadcast Times	Frequency ID	Contents of Broadcast
0750, 0850, 1215, 1850 LT	**A, B**	Synopsis and forecast for the area affected. Outlook for the following day and the second day. Gale/storm warnings. Freezing spray.

Maritime Radio Station: Centro Meteorológico Base Marambio **Call Sign: LLU**

Region: WMO REGION: VII

METAREA: ANTARCTICA

Position:

Area Covered: Antarctic area and surroundings

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
Radio-telex	**A**	4 807 kHz			
Radio-telex	**B**	10 870 kHz			
Radio-telex	**C**	16 209.5 kHz			
Radio-telex	**D**	20 732 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0020	**A, B**	Maritime forecast for the Antarctic S of 60°S, 20° to 90°W. In Spanish and English.
0020, 0320, 0620	**A, B**	Gale warnings and synopsis.
2120	**B, C**	Navigational warnings: Ice reports (Tuesdays & Thursdays).
1220	**B, C**	Maritime forecast for the Antarctic S of 60°S, 20° to 90°W. In Spanish and English.
1820, 2120	**B, C**	Gale warnings and synopsis.
0920, 1220	**B, C**	Gale warnings and synopsis.
1520	**B, D**	Gale warnings and synopsis.

Maritime Radio Station: Bahía Fildes

Call Sign:

Region: WMO REGION: VII
Position: 62°12'S 58°55'W
Radio Address:

METAREA: ANTARCTICA
Area Covered: Antarctic area and surroundings

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2738 kHz			
VHF	**B**	Ch 14			

Broadcast Times	Frequency ID	Contents of Broadcast
0150, 1350	**A**	Antarctic weather forecast for area 9.
0155, 1355	**B**	Antarctic weather forecast for area 9.
1400, 2200	**C**	Antarctic weather forecast for area 9.

Note: After prior announcement on 2 182 kHz and VHF Ch 16.

Maritime Radio Station: Centro Meteorológico Presidente Eduardo Frei Montalva

Call Sign: CAN6D

Region: WMO REGION: VII
Position:
Radio Address:

METAREA: ANTARCTICA
Area Covered: Antarctic area and surroundings

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
Radio-telex	**A**	5 302.5 kHz			
Radio-telex	**B**	11 662.5 kHz			
Radio-telex	**C**	15 470 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
1530, 2130	**A-C**	Weather forecast for Drake Passage and Bellingshausen Sea.
1230, 1830	**A-C**	Forecast for route to Eduardo Frei Montalva terminal.
0030, 0330, 0630, 0930, 1230, 1530, 1830, 2130	**A-C**	Synoptic summary for Antarctic.

Maritime Radio Station: Palmer Station **Call Sign: KWB268**

Region: WMO REGION: VII

METAREA: ANTARCTICA

Position:

Area Covered: Antarctic area and surroundings

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
Radio-telex	**A**	4 553 kHz			
Radio-telex	**B**	10 235 kHz			
Radio-telex	**C**	13 553 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0100	**A**	Navigational warnings: Ice reports for 60°W-20°E.
2000	**B**	Navigational warnings: Ice reports for 60°W-20°E.
1500	**C**	Navigational warnings: Ice reports for 60°W-20°E.

Maritime Radio Station: Paramaribo **Call Sign: PZN**

24-hour watch

METAREA: V

Area Covered: Area between 5°N and 15°N, 45°W and 60°W

Region: WMO REGION: III

Position: 05°51'N 55°09'W

Radio Address: METEO Paramaribo

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 818 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
1233, 2133 On request	**A**	Storm warnings, synopsis, forecast for Atlantic Ocean 5°N-15°N, 45°W-60°W. In English.

Navtex Station: Bjuröklubb **Call Sign:**

METAREA: I

Area Covered:

Region: WMO REGION: VI

Position: 64°28'N 21°36'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[H]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0110, 0910, 2110	[H]	Navigational warnings, weather warnings. In English.
0510, 1710	[H]	Navigational warnings, weather warnings and weather forecast. In English.
1310	[H]	Navigational warnings, weather warnings and Ice reports. In English.

Navtex Station: Gislovshammer **Call Sign:**

METAREA: I

Area Covered:

Region: WMO REGION: VI

Position: 55°29'N 14°19'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[J]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0130, 0930, 2130	[J]	Navigational warnings and weather warnings. In English.
1330	[J]	Navigational warnings, weather warnings and Ice reports. In English.
0530, 1730(1)	[J]	Navigational warnings, weather warnings and weather forecast. In English.

(1) Ice breakers in service, traffic restrictions etc.

Navtex Station: Grimeton **Call Sign:**

METAREA: I

Area Covered:

Region: WMO REGION: VI

Position: 57°06'N 12°23'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[I]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0120, 0920, 2120	[I]	Navigational warnings and weather warnings. In English.
0520, 1720(1)	[I]	Navigational warnings, weather warnings and weather forecast. In English.
1320	[I]	Navigational warnings, weather warnings and Ice reports. In English.

(1) Ice breakers in service, traffic restrictions etc.

Maritime Radio Station: Stockholm **Call Sign:**

Region: WMO REGION: VI

METAREA: I

Position: 59°17'N 18°43'E

Area Covered: Skagerrak, Kattegat, the Sound and the Belts, Baltic, Sea of Aland and Archipelago Sea, Gulf of Bothnia (see map)

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	1674 kHz		Tingstade	
RT (MF)	**B**	1 710 kHz		Grimeton	
RT (MF)	**C**	1 779 kHz		Bjuroklubb	
RT (MF)	**D**	1 797 kHz		Gislovshammar	
RT (MF)	**E**	2 733 kHz		Harnosand	
VHF	**F**	Ch 24	East coast	Toro	
VHF	**F**	Ch 78	East coast	Vaddo	
VHF	**F**	Ch 25	East coast	Vasteras	
VHF	**F**	Ch 81	East coast	Hjalmaren	
VHF	**F**	Ch 26	East coast	Nacka	
VHF	**F**	Ch 24	East coast	Oregrund	
VHF	**F**	Ch 66	East coast	Sodertalje	
VHF	**F**	Ch 23	East coast	Harnosand	
VHF	**F**	Ch 64	East coast	Norrkoping	
VHF	**F**	Ch 23	East coast	Vastervik	
VHF	**F**	Ch 84	East coast	Svenska Hogarna	
VHF	**F**	Ch 23	East coast	Gavle	
VHF	**F**	Ch 24	East coast	Sundsvall	
VHF	**F**	Ch 25	East coast	Visby	
VHF	**F**	Ch 84	East coast	Kramfors	
VHF	**F**	Ch 64	East coast	Mjallom	
VHF	**F**	Ch 28	East coast	Ornskoldsvik	
VHF	**F**	Ch 26	East coast	Umea	
VHF	**F**	Ch 23	East coast	Skelleftea	
VHF	**F**	Ch 25	East coast	Lulea	
VHF	**F**	Ch 24	East coast	Seskaro	
VHF	**F**	Ch 25	East coast	Hudiksvall	
VHF	**F**	Ch 22	West coast	Varberg	
VHF	**F**	Ch 23	Vanern/Vattern	Granna	
VHF	**F**	Ch 28	Vanern/Vattern	Kristinehamn	
VHF	**F**	Ch 01	Vanern/Vattern	Kinnekule	
VHF	**F**	Ch 25	Vanern/Vattern	Trollhattan	
VHF	**F**	Ch 22	West coast	Stromstad	
VHF	**F**	Ch 78	West coast	Grebbestad	
VHF	**F**	Ch 84	West coast	Hunnebostrand	
VHF	**F**	Ch 27	West coast	Bokenas	

VHF	**F**	Ch 23	West coast	Orust
VHF	**F**	Ch 65	West coast	Ljungskile
VHF	**F**	Ch 81	West coast	Tjorn
VHF	**F**	Ch 65	East coast	Gotska
VHF	**F**	Ch 24	West coast	Goteborg
VHF	**F**	Ch 28	East coast	Faro
VHF	**F**	Ch 62	West coast	Falkenberg
VHF	**F**	Ch 65	West coast	Halmstad
VHF	**F**	Ch 24	West coast	Hoganas
VHF	**F**	Ch 27	West coast	Barseback
VHF	**F**	Ch 21	East coast	Trelleborg
VHF	**F**	Ch 82	East coast	Kivik
VHF	**F**	Ch 25	East coast	Karlshamn
VHF	**F**	Ch 81	East coast	Karlskrona
VHF	**F**	Ch 78	East coast	Olands Sodra Udde
VHF	**F**	Ch 26	East coast	Borgholm
VHF	**F**	Ch 24	East coast	Hoburgen
VHF	**F**	Ch 26	Vanern/Vattern	Karlsborg
VHF	**F**	Ch 26	West coast	Torslanda

Broadcast Times	Frequency ID	Contents of Broadcast
0733	**A,B,F**	Weather summary. Forecast valid 24 hours. In English.
On receipt 0333, 0733, 1133m 1533, 1933, 2333	**A,D,F**	Storm/gale warnings. In clear.
1133	**A,D-F**	Navigational warnings: Ice reports. In English.
1933	**C,D,F**	Weather summary. Forecast valid 24 hours. In English.

NOTE:
Same information is also transmitted via VHF. For frequencies and broadcast times, see List of Coast Stations (issued by ITU, International Telecommunication Union).

Commercial Station: Sveriges Radio Programme 1 **Call Sign:**

Region: WMO REGION: VI

METAREA: I

Position:

Area Covered: Skagerrak, Kattegat, the Sound and the Belts, Baltic, Sea of Aland and Archipelago Sea, Gulf of Bothnia (see map)

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
	A	1 179 kHz		Sölvesborg	

Broadcast Times	Frequency ID	Contents of Broadcast
2050 (1950) (1) 1200 (1100) (1)	**A**	Weather summary. Forecast: Lists 1 & 2. Warnings: List 2. In Swedish.
1455 (1355)	**A**	Weather summary. Forecast: List 2. Warnings: List 2 Ice report. In Swedish.
0655 (0455) (1)	**A**	Forecast: List 2, Warnings: List 2. In Swedish.
0455 (0355) (1)	**A**	Weather summary for Northern Europe. Forecast valid 24 hours: Lists 1 & 2. Gale/storm/icing warnings: List 2. In Swedish.

(1) Time within ( ) valid during Swedish daylight saving time.

Forecasts for coastal areas follow after forecasts for inland areas (not specified here) at 0455 (0355), 0655 (0555), 1200 (1100) and 2050 (1950).

List 1 areas: N3 South Utsire, N9 Fisher, N10 German Bight

List 2 (areas): B1 Bottenviken; B2 Norra Kvarken; B3 Bottenhavet; B4 Ålands hav och Skärgårdshavet; B7 Norra Östersjön; B8 Mellersta Östersjön; B9 Sydöstra Östersjön; B10 Södra Östersjön; B11 Sydvästra Östersjön; B12 Öresund och Bälten; B13 Kattegatt; B14 Skagerack; B15 Vänern

Maritime Radio Station: Al Ladhiqiyah (Latakia)

Call Sign:

24-hour watch

Region: WMO REGION: VI

METAREA: III

Position: 35°30'N 35°47'E

Area Covered:

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	3 624 kHz			
VHF	**B**	Ch 13			

Broadcast Times	Frequency ID	Contents of Broadcast
0400, 0800, 1200, 1600, 2000, 2400	**A, B**	

Maritime Radio Station: Tartus (Tartous)

Call Sign:

24-hour watch

Region: WMO REGION: VI

METAREA: III

Position: 34°57'N 35°52'E

Area Covered:

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 662 kHz			
VHF	**B**	Ch 20			

Broadcast Times	Frequency ID	Contents of Broadcast
0400, 0800, 1200, 1600	**A, B**	

Maritime Radio Station: Bangkok (Nonthaburi) Meteorological — Call Sign: HSA

24-hour watch

Region: WMO REGION: II
Position: 13°01'N 100°01'E
Radio Address: METEO Bangkok

METAREA: XI

Area Covered: West Pacific Sea of Japan.
Gulf of Thailand, West coast of southern Thailand, Strait of Malacca and South China Sea (see map)

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	**A**	6 765.1 kHz			
RT (HF)	**B**	8 743 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0000, 0300, 0600, 0900, 1200, 1500, 1800, 2100	**A-B**	Storm warnings for the Area 4°N-20°N, 98°E-115°E. Synopsis for the Areas 0°-30°N, 90°E-120°E. 24 hour forecast for Areas 1-5. (In Thai and English.)

Navtex Station: Bangkok (Nonthaburi) Meteorological — Call Sign: HSA

24-hour watch

Region: WMO REGION: II
Position: 13°01'N 100°01'E
Radio Address: METEO Bangkok

METAREA: XI

Area Covered: West Pacific Sea of Japan.
Gulf of Thailand, West coast of southern Thailand, Strait of Malacca and South China Sea (see map)

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[F]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0050, 0450, 0850, 1250, 1650, 2050	[F]	In English.
0050, 0850	[F]	Storm warnings for the Area 4°N-20°N, 98°E-115°E. Synopsis for the Areas 0°-30°N, 90°E-120°E. 24 hour forecast for Areas 1-5. In English.

(1) Gale warnings are issued when Monsoon is more than 14 m/s (28 knots).

Maritime Radio Station: Nuku'Alofa

Call Sign:

METAREA: XIV

Area Covered:

Region: WMO REGION: V

Position: 21°11'S 175°13'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	2 080 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0133, 0833, 2033	A	Local weather reports for waters adjacent to Tonga and Niue.

Commercial Station: Radio Tonga I and II

Call Sign:

METAREA: XIV

Area Covered:

Region: WMO REGION: V

Position:

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	A	1 017 kHz	Radio Tonga I		
FM	B	97.2 MHz	Radio Tonga II		

Broadcast Times	Frequency ID	Contents of Broadcast
Mon-Fri: 0815, 1110, 1330, 1510, 1925, 2025, 2355 LT	A	Coastal forecast, storm warnings, wind strength and tidal information for the waters of Tonga and Niue. In English.
Mon-Fri: 0730, 0830, 0930, 1110, 1325, 1510, 1925, 2110, 2255 LT Sat: 0730, 0810, 1330, 2030, 2255 LT Sun: 1930, 2030, 2255 LT	B	Coastal forecast, storm warnings, wind strength and tidal information for the waters of Tonga and Niue. In Tongan and English.

Commercial Station: NBS (National Broadcasting Service) **Call Sign:**

Region: WMO REGION: IV

METAREA: IV

Position:

Area Covered: Eastern Caribbean Sea, Lesser Antilles and adjacent Atlantic waters

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	**A**	610 kHz			
FM	**B**	98.9 MHz			
FM	**C**	100.0 MHz			
FM	**D**	91.1 MHz		Tobago	

Broadcast Times	Frequency ID	Contents of Broadcast
0700 lT (after news broadcast)	**A, C, D**	Wind speed, humidity, temperature, tidal conditions in Gulf of Paria with HW / LW times, general current conditions in Port of Spain area, forecast and outlook for next 6 hours. In English.
0800, 1200, 1900 LT (after news broadcast)	**A-D**	Wind speed, humidity, temperature, tidal conditions in Gulf of Paria with HW / LW times, general current conditions in Port of Spain area, forecast and outlook for next 6 hours. In English.
0930, 1530 LT Every H+30	**A-D**	Local weather forecast and outlook.
Every H+00	**A-D**	Storm / Hurricane warning in force for Caribbean Sea, Lesser Antilles and adjacent Atlantic waters. In English.
On receipt	**A-D**	Storm / Hurricane warning: newsflash broadcast for hurricane warning when immediate vicinity is likely to be threatened. In English.

Maritime Radio Station: North Post (Trinidad) **Call Sign: 9YL**

24-hour watch

Region: WMO REGION: IV
Position: 10°45'N 61°34'W
Radio Address: METEO Trinidad

METAREA: IV
Area Covered: Caribbean Sea, Antilles and Atlantic waters to East

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 735 kHz			H24
RT (MF)	**B**	3 165 kHz			H24
RT (HF)	**C**	4 125 kHz			H24
VHF	**D**	Ch 14			H24

Broadcast Times	Frequency ID	Contents of Broadcast
1250, 1850	**A**	12 hour forecast and outlook for further 12 hours for Trinidad, Tobago and Eastern Antilles. In English. Navigational warnings: For Trinidad and Tobago.
On receipt	**A**	Storm warnings for Caribbean Sea, Antilles and adjacent Atlantic waters. In English.
On receipt	**B**	Storm warnings for Trinidad and Tobago. In English.
1340, 2040	**B**	12 hour forecast and outlook for further 12 hours for Trinidad and Tobago. In English. Navigational warnings: For Trinidad and Tobago.

Maritime Radio Station: La Goulette Port — Call Sign: 3VW

24-hour watch

Region: WMO REGION: I
METAREA: III
Position:
Area Covered: Coastal shipping and fishing areas of Serrat, Gulf of Tunis, Hammamet, Chebba and Jerba (see map)
Radio Address: METEO Tunis

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	1 743 kHz			
RT (MF)	**B**	2 182 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0405, 1905	**A**	Weather summary, 12 hour forecast and outlook for further 12 hours for coasts of Tunisia. In French.
On receipt 0003, 0403, 0603, 1003, 1303, 1803, 1903, 2103	**B**	Navigational warnings: For Tunisian coast, Western Mediterranean south of 40°N, east of a line from Tunisian-Algerian frontier to C. Spartivento (38°52'N 8°52'E). In French.
On receipt repeated at H+03	**B**	Storm warnings for coastal waters of Tunisia. In French.

Commercial Station: Radio Tunis — Call Sign:

Region: WMO REGION: I
METAREA: III
Position:
Area Covered: Coastal shipping and fishing areas of Serrat, Gulf of Tunis, Hammamet, Chebba and Jerba (see map)
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	**A**	629 kHz			
AM	**B**	962 kHz			
AM	**C**	7 225 kHz			
AM	**D**	11 970 kHz			
AM	**E**	15 225 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0600, 0630, 1830 (15 June - 15 Sept)	**A-E**	In French. General situation, 12 hour forecast for the coastal waters of Tunisia.
1200, 1215, 1230, 1300, 1830, 1900	**A-E**	Storm warnings and Bulletins Metéorologique Spéciaux (BMS).

Maritime Radio Station: Tunis **Call Sign: 3VT, 3VX**

24-hour watch

Region: WMO REGION: I

METAREA: III

Position: 36°54'N 10°11'E

Area Covered: Coasts of Tunisia and central Mediterranean between 8°E and the south of Sardinia, 40°N and 15°E to the coasts of Tripolitania and Tunisia (Groupe II AFN)

Radio Address: METEO Tunis

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	1 820 kHz			
RT (MF)	**B**	2 670 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt & 0803, 1203, 2003 On request	**A, B**	Navigational warnings: In French for Tunisian coast, Western Mediterranean south of 40°N, east of a line from Tunisian-Algerian frontier to C. Spartivento.
0805, 1705	**A, B**	Weather summary, 12 hour forecast and outlook for further 12 hours, in French, for the coastal waters of Tunisia.

Maritime Radio Station: Antalya **Call Sign:**

24-hour watch

Region: WMO REGION: VI

METAREA: III

Position: 36°53'N 30°42'E

Area Covered: Western and Eastern Mediterranean Coasts (30 miles distance)

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 67 (1)		Antalya Control Centre 36°53'N 30°42'E	
VHF	**B**	Ch 67 (1)		Yumrutepe 36°15'N 29°27'E	
VHF	**B**	Ch 67 (1)		Palamut 36°45'N 28°13'E	
VHF	**B**	Ch 67 (1)		Markiz 36°43'N 30°29'E	
VHF	**B**	Ch 67 (1)		Kazakin 36°50'N 29°06'E	
VHF	**B**	Ch 67 (1)		Dilektepe 37°32'N 27°16'E	
VHF	**B**	Ch 67 (1)		Cobandede 36°31'N 36°15'E	
VHF	**B**	Ch 67 (1)		Anamur 36°05'N 32°50'E	

Broadcast Times	Frequency ID	Contents of Broadcast
0900, 1930	**A**	3 day forecast for Black Sea, Marmara Denizi, Aegean Sea and Mediterranean Sea in Turkish.
0730, 0900, 0930, 1130, 1330, 1530, 1730, 1930	**A**	Sea observations for Mediterranean Sea and Aegean Sea (in Turkish)
0700, 1900	**A**	Forecast for Black Sea, Marmara Denizi, Aegean Sea and Mediterranean Sea (in Turkish and English)
On receipt	**A**	Weather warnings.
0900, 1200, 1500, 1800, 2100 LT (2)(3)	**B**	3 day forecast for Black Sea, Marmara Denizi, Aegean Sea and Mediterranean Sea in Turkish.

(1) After prior announcement on Ch. 16.
(2) Broadcasts given 1 hour early when DST is in force.
(3) Broadcasts are repeated 3 times at 5 minute intervals.

Navtex Station: Antalya **Call Sign:**

Region: WMO REGION: VI
METAREA: III
Position: 36°53'N 30°42'E
Area Covered: Western and Eastern Mediterranean Coasts (30 miles distance)
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[D]	490 kHz	(Mediterranean Coast)		
MSI	[F]	518 kHz	(Mediterranean Coast)		

Broadcast Times	Frequency ID	Contents of Broadcast
0030, 0430, 0830, 1230, 1630, 2030	[D]	Weather forecast for Area Taurus. In Turkish. Navigational warnings: For E. Mediterranean. In Turkish.
0050, 0450, 0850, 1250, 1650, 2050	[F]	Weather forecast for Area Taurus. In English. Navigational warnings: For E. Mediterranean. In English.

Maritime Radio Station: Istanbul **Call Sign: TAH**

24-hour watch

Region: WMO REGION: VI

METAREA: III

Position: 40°59'N 28°49'E

Area Covered: Marmara Sea and Western Black Sea coasts (30 miles distance)

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
WT (MF)	**A**	513 kHz			
RT (HF)	**B**	4 405 kHz	(417)		
RT (HF)	**B**	8 812 kHz	(832)		
RT (HF)	**B**	13 128 kHz	(1218)		
Radio-telex	**C**	4 560 kHz			
Radio-telex	**C**	8 431 kHz	(830)		
Radio-telex	**C**	12 654 kHz	(12151)		
VHF	**D**	Ch 67 (1)		Akdag 38°33'N 26°30'E	
VHF	**D**	Ch 67 (1)		Akcakoca 41°59'N 31°12'E	
VHF	**D**	Ch 67 (1)		Sarkoy 40°41'N 27°01'E	
VHF	**D**	Ch 67 (1)		Ayvalik 39°18'N 26°14'E	
VHF	**D**	Ch 67 (1)		Bandirma 40°21'N 27°54'E	
VHF	**D**	Ch 67 (1)		Camlica 41°02'N 29°04'E	
VHF	**D**	Ch 67 (1)		Kayalidag 39°58'N 26°38'E	
VHF	**D**	Ch 67 (1)		Keltepe 40°38'N 30°05'E	
VHF	**D**	Ch 67 (1)		Mahyadagi 41°47'N 27°37'E	
VHF	**D**	Ch 67 (1)		Istanbul Control Centre 40°59'N 28°49'E	

Broadcast Times	Frequency ID	Contents of Broadcast
0900, 1930	**A**	3 day forecast for Black Sea, Marmara Denizi, Aegean Sea and Mediterranean Sea. In Turkish.
0700, 1900	**A**	Forecast for Black Sea, Marmara Denizi, Aegean Sea and Mediterranean Sea. In Turkish and English.
On receipt	**A**	Weather warnings.
0233, 0633, 1033, 1433, 1833, 2233	**A**	(In Turkish and English).
0900, 1200, 1500, 1800, 2100 LT (2) (3)	**B**	Gale warnings and forecasts for Turkish coastal waters of Western Black Sea, Marmara Denizi and North Aegean Sea. In Turkish and English.
1000, 1800	**B**	Weather forecast for Areas 12-27. In Turkish and English.
0800, 2000	**C**	Weather forecast for Areas 12-27. In Turkish and English.
0900, 1200, 1500, 1800, 2100 LT (2) (3)	**D**	Gale warnings and forecasts for Turkish coastal waters of Western Black Sea, Marmara Denizi and North Aegean Sea. (In Turkish and English).
0900, 1930	**D**	3 day forecast for Black Sea, Marmara Denizi, Aegean Sea and Mediterranean Sea. (In Turkish).
0730, 0900, 0930, 1130, 1330, 1530, 1730, 1930	**D**	Sea observationa in Turkish for Mediterranean Sea and Aegean Sea.
0700, 1900	**D**	Forecast for Black Sea, Marmara Denizi, Aegean Sea and Mediterranean Sea. In Turkish and English.
On receipt	**D**	Weather warnings.

(1) After prior announcement on Ch 16.
(2) Broadcasts given 1 hour early when DST is in force.
(3) Broadcats are repeated 3 times at 5 minutes intervals.

Navtex Station: Istanbul

Call Sign:

METAREA: III

Area Covered: Marmara Sea and Western Black Sea coasts (30 miles distance)

Region: WMO REGION: VI

Position: 41°04'N 28°57'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[B]	490 kHz	Marmara Denizi		
MSI	[M]	4 209.5 kHz	a Denizi, Aegean, Mediterranean ar		
MSI	[D]	518 kHz	Marmara Denizi		

Broadcast Times	Frequency ID	Contents of Broadcast
0010, 0410, 0810, 1210, 1610, 2010	[B]	Weather forecast for Areas Marmara and Danube. Navigational warnings: For SW part of Black Sea. In Turkish.
0200, 0600, 1000, 1400, 1800, 2200	[M]	Weather Forecast, In Turkish, for Areas 12-27. In Turkish. Navigational warnings: For Black Sea, Marmara Denizi, Aegean, Mediterranean. In Turkish.
0030, 0430, 0830, 1230, 1630, 2030	[D]	Weather forecast for Areas Marmara and Danube. In English. Navigational warnings: For SW part of Black Sea. In English.

Navtex Station: Izmir

Call Sign:

METAREA: III

Area Covered: Aegean Sea and Western Mediterranean Coasts (30 miles distance)

Region: WMO REGION: VI

Position: 38°21'N 26°35'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[C]	490 kHz	Aegean Coast		
MSI	[I]	518 kHz	Aegean Coast		

Broadcast Times	Frequency ID	Contents of Broadcast
0020, 0420, 0820, 1220, 1620, 2020	[C]	Weather Forecast for Areas Aegean and Jason. In Turkish. Navigational warnings: For Aegean. In Turkish.
0120, 0520, 0920, 1320, 1720, 2120	[I]	Weather Forecast for Areas Aegean and Jason. In English. Navigational warnings: for Aegean. In English.

Maritime Radio Station: Samsun

Call Sign: TAF

24-hour watch

Region: WMO REGION: VI
Position: 41°17'N 36°20'E
Radio Address:

METAREA: III
Area Covered: Black Sea

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 67 (1)		Samsun Control Centre 41°17'N 36°20'E	
VHF	B	Ch 67 (1)		Zonguldak 41°24'N 31°50'E	
VHF	B	Ch 67 (1)		Yidiztepe 41°06'N 37°02'E	
VHF	B	Ch 67 (1)		Pazar 41°09'E 40°49'E	
VHF	B	Ch 67 (1)		Inebolu 41°53'N 33°43'E	
VHF	B	Ch 67 (1)		Dutmen 41°27'N 35°29'E	
VHF	B	Ch 67 (1)		Dikmen 38°16'N 40°55'E	
VHF	B	Ch 67 (1)		Akcabat 41°36'N 39°27'E	

(1) After prior announcement on Ch 16.

Navtex Station: Samsun

Call Sign: TAF

Region: WMO REGION: VI
Position: 41°17'N 36°20'E
Radio Address:

METAREA: III
Area Covered: Black Sea

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[A]	490 kHz			
MSI	[E]	518 kHz	Black Sea Coast		

Broadcast Times	Frequency ID	Contents of Broadcast
0000. 0400, 0800, 1200, 1600, 2000	[A]	Weather Forecast for Areas Georgia and Danube. In Turkish. Navigational warnings: For SE part of Black Sea. In Turkish.
0040, 0440, 0840, 1240, 1640, 2040	[E]	Weather Forecast for Areas Georgia and Danube. In English. Navigational warnings: for SE part of Black Sea. In English.

Commercial Station: Turkish Radio - Television Corporation **Call Sign:**

Region: WMO REGION: VI
METAREA: III
Position:
Area Covered:
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
AM	**A**	630 kHz		Tarsus	
AM	**A**	927 kHz		Izmir	
AM	**A**	1 017 kHz		Istanbul	
AM	**A**	245 kHz		Erzurum	
AM	**A**	1 062 kHz		Diyarbakir	
AM	**A**	1 467 kHz		Dededoruk	
AM	**A**	891 kHz		Antalya	
AM	**A**	200 kHz		Ankara	

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt 0430, 1000, 1600, 2000	**A**	In Turkish.

Maritime Radio Station: Funafuti Island **Call Sign:**

Region: WMO REGION: V
Position: 08°31'S 179°13'E
Radio Address:

METAREA: XIV
Area Covered:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	**A**	6 215.5 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0500 (when local ships in area) 2100 On request	**A**	Gale warnings, forecast for local waters.

Call Sign Series: URA-UZZ

Navtex Station: Kerch

Call Sign:

24-hour watch

METAREA: III

Area Covered: Sea of Azov

Region: WMO REGION: VI

Position: 45°23'N 36°28'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[B]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0900	[B]	Navigational warnings: Ice reports for Sea of Azov. In English.
0100, 0500, 0900, 1300, 1700, 2100	[B]	Navigational warnings: For Sea of Azov and Kerchenskiy Proliv. In English.
0500, 1300	[B]	24 hour weather and sea state forecast for Sea of Azov and Kerchenskiy Proliv. In English.

Maritime Radio Station: Mariupol'

Call Sign: USU UTW

24-hour watch

METAREA: III

Area Covered: Mediterranean Sea/Black Sea

Region: WMO REGION: VI

Position: 47°06'N 37°33'E

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	2 805 kHz			
Radio-telex	B	16 829 kHz	(1646)		
Radio-telex	B	12 615 kHz	(1272)		
Radio-telex	B	8 422.5 kHz	(813)		
Radio-telex	B	6 326.5 kHz	(626)		

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt 0233, 0633, 1033, 1433, 1833, 2233 On request	A	Navigational warnings: For Sea of Azov. In Russian and English.
0930	A	24 hour weather and sea state forecast for Sea of Azov. In Russian repeated in MARFOR FM 61.
		Navigational warnings: Ice conditions for Sea of Azov, in Russian only.
0330	A	12 hour weather sea state forecast for Sea of Azov and Kerchenskiy Proliv to a line between Mys Takil' and Mys Panagiya. In Russian repeated in MARFOR FM 61.

Maritime Radio Station: Odesa — Call Sign: UTT UUI

24-hour watch

METAREA: III
Area Covered: Black Sea (including Strait of Bosporus) and Sea of Azov

Region: WMO REGION: VI
Position: 46°29'N 30°44'E
Radio Address: METEO Odessa

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	3 310 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt 0233, 0633, 1033, 1433, 1833, 2233	A	For NW Black Sea in Russian and English.

Navtex Station: Odesa — Call Sign:

METAREA: III
Area Covered: Black Sea (including Strait of Bosporus) and Sea of Azov

Region: WMO REGION: VI
Position: 46°29'N 30°44'E
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[C]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
1430	[C]	Navigational warnings: Ice Reports. In English.
0230, 0630, 1030, 1430, 1830, 2230	[C]	Navigational warnings: For NW part of Black Sea. In English.
1430, 2230	[C]	For Area 1, NW part of Black Sea. In English.

Maritime Radio Station: Sevastopol, Krymskoi **Call Sign: URL**

24-hour watch

Region: WMO REGION: VI
Position: 44°34'N 33°32'E
Radio Address:

METAREA: III
Area Covered:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 695 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt 0033, 0733, 1133, 1533, 1933, 2333 On request	**A**	Navigational warnings: For N Central Black Sea.

Marine Rescue Co-ordination Centre: Aberdeen (MRCC) **Call Sign:**

H24

Region: WMO REGION: VI
Position: 57°09'N 02°05'W
Radio Address:

METAREA: I

Area Covered: Sea areas and the Inshore waters around the United Kingdom of Great Britain and Northern Ireland

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 226 kHz		Gregness 57°08'N 02°03'W	
VHF	**B**	Ch 23		Windy Head 57°39'N 02°14'W	
VHF	**B**	Ch 86		Rosemarkie 57°38'N 04°05'W	
VHF	**B**	Ch 84		Noss Head 58°29'N 03°03'W	
VHF	**B**	Ch 86		Gregness 57°08'N 02°03'W	
VHF	**B**	Ch 23		Durness 58°34'N 04°44'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0130, 1330 LT	**A**	Repetition of gale warnings and inshore forecast made only if there are gale warnings in force.
On receipt	**A, B**	Gale warnings for Areas Fair Isle, Cromarty, Forth, Forties and Tyne. Strong wind warnings. Navigational warnings: coastal (WZ) warnings for areas 1 and 2.
0730, 1930 LT	**A,B**	Gale warnings and shipping forecast for areas Fair Isle, Cromarty, Forth, Forties and Tyne. Inshore forecast for Areas 1 and 2. 3-day forecast for fishermen (Oct-March). Navigational warnings: coastal (WZ) warnings for areas 1 and 2.
0430, 1030, 1630, 2230 LT	**B**	Repetition of inshore forecast and gale warnings. Strong wind warnings for Areas 1 and 2.
0130, 1330 LT	**B**	Gale warnings for areas Fair Isle, Cromarty, Forth, Forties and Tyne. Inshore forecast for Areas 1 and 2.

Note: Vessels should listen to the MSI announcement on VHF Ch 16 for details of the working channel to be used for the broadcast.

Commercial Station: BBC Radio 4
Call Sign:

Region: WMO REGION: VI
METAREA: I
Position:
Area Covered: Coastal areas around North-western Europe and the British Isles
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
LW	**A**	198 kHz		Burghead 57°42'N 03°28'W	
LW	**A**	198 kHz		Westerglen 55°59'N 03°49'W	
LW	**A**	198 kHz		Droitwich 52°18'N 02°06'W	
MW	**B**	1 485 kHz		Carlisle 54°52'N 02°55'W	
MW	**B**	603 kHz		Newcastle 54°56'N 01°34'W	
MW	**B**	720 kHz		Lisnagarvey 54°29'N 06°03'W	
MW	**B**	720 kHz		Crystal Palace 51°25'N 00°05'W	
MW	**B**	756 kHz		Redruth MF 50°13'N 05°13'W	
MW	**B**	1 449 kHz		Redmoss 57°07'N 02°06'W	
MW	**B**	774 kHz		Plymouth 50°25'N 04°08'W	
MW	**B**	774 kHz		Enniskillen 54°22'N 07°39'W	
MW	**B**	720 kHz		Londonderry 55°00'N 07°22'W	
FM	**C**	92.4-104.9 MHz			

Broadcast Times	Frequency ID	Contents of Broadcast
1200, 1755 LT (Sat & Sun)	**A, C**	Gale warnings, synopsis, and 24 hour forecast for all Areas.
0520 LT	**A-C**	Gale warnings, synopsis and 24 hour forecast for all Areas. Weather reports from coast stations. Inshore waters forecast until midnight.
0048 LT	**A-C**	Gale warnings, synopsis, forecasts for all areas and coastal station reports. Inshore waters forecast until midnight. Weather reports from coast stations for inshore sailors.
At the first available programme junction	**A-C**	Gale warnings for all Areas.

Marine Rescue Co-ordination Centre: Belfast (MRSC) **Call Sign:**

H24

Region: WMO REGION: VI
Position: 54°40'N 05°40'W
Radio Address:

METAREA: I

Area Covered: Sea areas and the Inshore waters around the United Kingdom of Great Britain and Northern Ireland

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 23		West Torr 55°12'N 06°06'W	
VHF	**A**	Ch 23		Slieve Martin 54°06'N 06°10'W	
VHF	**A**	Ch 84		Orlock Head 54°40'N 05°35'W	
VHF	**A**	Ch 23		Navar 54°28'N 07°54'W	
VHF	**A**	Ch 84		Limvady 55°06'N 06°53'W	
VHF	**A**	Ch 86		Black Mountain 54°35'N 06°01'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0410, 1010, 1610, 2210 LT	**A**	repetition of inshore forecast and gale warnings. Strong wind warnings for areas 12-14.
0110, 1310 LT	**A**	Gale warnings for areas irish Sea and Malin. Inshore forecast for areas 12-14.
0710, 1910 LT	**A**	Gale warnings and shipping forecast for areas Irish Sea and Malin. Inshore forecast for areas 12-14. Navigational warnings: coastal (WZ) warnings for areas 12-14.
On receipt	**A**	Gale warnings, for Areas: Irish Sea and Malin. Strong wind warnings. Navigational warnings: coastal (WZ) warnings for areas 12-14.

Note: Vessels should listen to the MSI announcement on VHF Ch 16 for details of the working channel to be used for the broadcast.

Marine Rescue Co-ordination Centre: Brixham (MRSC) **Call Sign:**

H24

Region: WMO REGION: VI
METAREA: I
Position: 50°24'N 03°31'W
Area Covered: Sea areas and the Inshore waters around the United Kingdom of Great Britain and Northern Ireland
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 86		Rame Head 50°19'N 04°13'W	
VHF	**A**	Ch 10		Fowey 50°20'N 04°38'W	
VHF	**A**	Ch 84		East Prawle 50°13'N 03°42'W	
VHF	**A**	Ch 10		Dartmouth 50°21'N 03°35'W	
VHF	**A**	Ch 23		Berry Head 50°24'N 03°29'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0410, 1010, 1610, 2210 LT	**A**	rrepetition of inshore forecast and gale warnings Strong wind warnings for Areas 8 and 9.
0110, 1310 LT	**A**	Gale warnings, for Areas Portland and Plymouth, Shannon, Fastnet and Sole. Inshore forecast for areas 8 and 9.
0710, 1910 LT	**A**	Gale warnings and shipping forecast for Areas Portland and Plymouth, Shannon, Fastnet and Sole. Inshore forecast for areas 8 and 9. Navigational warnings: coastal (WZ) warnings for areas 8 and 9.
On receipt	**A**	Gale warnings, for Areas Portland and Plymouth, Shannon, Fastnet and Sole. Strong wind warnings. Navigational warnings: coastal (WZ) warnings for areas 8 and 9.

Note: Vessels should listen to the MSI announcement on VHF Ch 16 for details of the working channel to be used for the broadcast.

Marine Rescue Co-ordination Centre: Clyde (MRCC) **Call Sign:**

H24

Region: WMO REGION: VI
Position: 55°58'N 04°49'W
Radio Address:

METAREA: I

Area Covered: Sea areas and the Inshore waters around the United Kingdom of Great Britain and Northern Ireland

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	1 883 kHz		Tiree 56°30'N 06°59'W	
VHF	**B**	Ch 10		Torosay 56°27'N 05°44'W	
VHF	**B**	Ch 86		Tiree 56°30'N 06°58'W	
VHF	**B**	Ch 23		South Knapdale 55°55'N 05°28'W	
VHF	**B**	Ch 10		Rhu Staffnish 55°22'N 05°32'W	
VHF	**B**	Ch 86		Lawhill 55°42'N 04°50'W	
VHF	**B**	Ch 84		Kilchiaran 55°46'N 06°27'W	
VHF	**B**	Ch 23		Glengorm 56°38'N 06°08'W	
VHF	**B**	Ch 84		Clyde 55°58'N 04°48'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0210, 1410	**A**	Repetition of gale warnings and inshore forecast made only if there area gale warning in force.
0810, 2010	**A, B**	Gale warnings and shipping forecast for Areas Bailey, Hebrides, Rockall and Malin. Inshore forecast for areas 14 and 15. Navigational warnings: coastal (WZ) warnings for areas 14 and 15.
On receipt	**A, B**	Gale warnings for Areas Bailey, Hebrides, Rockall and Malin. Strong wind warnings. Navigational warnings: coastal (WZ) warnings for areas 14 and 15.
0510, 1110, 1710, 2310	**B**	Repetition of inshore forecast and gale warnings. Strong wind warnings for areas 14 and 15.
0210, 1410	**B**	Gale warnings for areas Bailey, Hebrides, Rockall and Malin. Inshore forecast for areas 14 and 15.

Note: Vessels should listen to the MSI announcement on VHF Ch 16 for details of the working channel to be used for the broadcast.

Navtex Station: Cullercoats

Call Sign:

Note: Broadcasts are remotely controlled by Falmouth Coastguard.

METAREA: I

Area Covered: N.Sea/Gulf of Bothania/Finland
Viking, Forties, Cromarty, Forth, Tyne, Dogger, Humber, Thames, Dover, Wight and Fair Isle
(Extended outlook includes additionally the sea areas North Utsire, South Utsire, Fisher, and German Bight)

Region: WMO REGION: VI

Position: 55°04'N 01°28'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[U]	490 kHz			
MSI	[G]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0720, 1920	[U]	Inshore Waters 24-hour forecast, 24 hour outlook, wind, weather, visibility and sea state for areas: 1-6 and 17.
0100, 0500, 0900, 1300, 1700, 2100	[G]	Navigational warnings: Coastal navigational warnings for Areas 1-5. Navarea I Warnings are included at 0500 and 1700.
0100	[G]	Extended outlook daily, signalling expected hazards (gales and/or extensive sea fog) for a further two or three days, for the North Sea and Eastern English Channel.
0900, 2100	[G]	Shipping forcast: General Synopsis. 24-hour forecasts and 24 hour outlook (hazards) for Viking, Forties, Cromarty, Forth, Tyne, Dogger, Humber, Thames and Fair Isle.

Marine Rescue Co-ordination Centre: Dover (MRCC) **Call Sign:**

H24

Region: WMO REGION: VI
METAREA: I
Position: 51°08'N 01°21'E
Area Covered: Sea areas and the Inshore waters around the United Kingdom of Great Britain and Northern Ireland
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 86		Langdon 51°08'N 01°21'E	
VHF	**A**	Ch 84		Fairlight 50°52'N 00°39'E	

Broadcast Times	Frequency ID	Contents of Broadcast
0410, 1010, 1610, 2210 LT	**A**	Repetition of inshore forecast and gale warnings. Strong wind warnings for areas 5 and 6.
0110, 1310 LT	**A**	Gale warnings, for Areas Humber, Thames, Dover and Wight. Inshore forecast for areas 5 and 6.
0905, 2105	**A**	Shipping forecast: gale warnings, synopsis and 24 hour forecast for Areas Thames, Dover and Wight.
0710, 1910 LT	**A**	Gale warnings and shipping forecast for areas Humber, Thames, Dover and Wight. Inshore forecast for areas 5 and 6. Navigational warnings: coastal (WZ) warnings for areas 5 and 6.
On receipt	**A**	Gale warnings, for Areas Humber, Thames, Dover and Wight. Strong wind warnings. Navigational warnings: coastal (WZ) warnings for areas 5 and 6.

Note: Vessels should listen to the MSI announcement on VHF Ch 16 for details of the working channel to be used for the broadcast.

Marine Rescue Co-ordination Centre: Falmouth (MRCC) **Call Sign:**

H24

Region: WMO REGION: VI
Position: 50°09'N 05°03'W
Radio Address:

METAREA: I
Area Covered: Sea areas and the Inshore waters around the United Kingdom of Great Britain and Northern Ireland

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 226 kHz		Lizard 49°59'N 05°12'W	
VHF	**B**	Ch 84		Trevose 50°33'N 05°02'W	
VHF	**B**	Ch 86		St. Mary's 49°56'N 06°18'W	
VHF	**B**	Ch 23		Lizard 49°58'N 05°12'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0110, 1310 LT	**A**	Repetition of gale warnings and inshore forecast made only if there are gale warnings in force.
0710, 1910 LT	**A, B**	Gale warnings and shipping forecast for areas Portland, Plymouth, Shannon, Fastnet and Sole. Inshore forecast for areas 8 and 9. 3-day forecast for fishermen (Oct-March). Navigational warnings: coastal (WZ) warnings for areas 8 and 9.
On receipt	**A, B**	Gale warnings, for areas Portland, Plymouth, Shannon, Fastnet and Sole. Strong wind warnings. Navigational warnings: coastal (WZ) warnings for areas 8 and 9.
0410, 1010, 1610, 2210 LT	**B**	Repetition of inshore forecast and gale warnings. Strong wind warnings for areas 8 and 9.
0110, 1310 LT	**B**	Gale warnings for areas Portland, Plymouth, Shannon, Fastnet and Sole. Inshore forecast for areas 8 and 9.

Note: Vessels should listen to the MSI announcement on VHF Ch 16 for details of the working channel to be used for the broadcast.

Marine Rescue Co-ordination Centre: Forth (MRSC) **Call Sign:**

H24

Region: WMO REGION: VI
METAREA: I
Position: 56°16'N 02°35'W
Area Covered: Sea areas and the Inshore waters around the United Kingdom of Great Britain and Northern Ireland
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 86		St Abbs 55°54'N 02°12'W	
VHF	**A**	Ch 23		Inverbervie 56°51'N 02°16'W	
VHF	**A**	Ch 84		Fife Ness 56°17'N 02°35'W	
VHF	**A**	Ch 23		Craigkelly 56°04'N 03°14'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0430, 1030, 1630, 2230 LT	**A**	Repetition of inshore forecast and gale warnings. Strong wind warnings for areas 1 and 2.
0130, 1330 LT	**A**	Gale warnings for areas: Fair Isle, Cromarty, Forth, Forties and Tyne. Inshore forecast for areas 1 and 2.
0730, 1930 LT	**A**	Gale warnings and shipping forecast for areas: Fair Isle, Cromarty, Forth, Forties and Tyne. Inshore forecast for areas 1 and 2. 3-day forecast for fishermen (Oct-March). Navigational warnings: coastal (WZ) warnings for areas 1 and 2.
On receipt	**A**	Gale warnings for areas: Fair Isle, Cromarty, Forth, Forties and Tyne. Strong wind warnings. Navigational warnings: coastal (WZ) warnings for areas 1 and 2.

Note: Vessels should listen to the MSI announcement on VHF Ch 16 for details of the working channel to be used for the broadcast.

Marine Rescue Co-ordination Centre: Holyhead (MRSC) **Call Sign:**

H24

Region: WMO REGION: VI
Position: 53°19'N 04°38'W
Radio Address:

METAREA: I

Area Covered: Sea areas and the Inshore waters around the United Kingdom of Great Britain and Northern Ireland

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 23		Great Orme 53°20'N 03°51'W	
VHF	**A**	Ch 86		South Stack 53°19'N 04°41'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0235, 0635, 1035, 1435, 1835, 2235	**A**	Navigational warnings: For area Echo.
0450, 1050, 1650, 2250 LT	**A**	repetition of inshore forecast and gale warnings. Strong wind warnings for areas 10 and 11.
0150, 1350 LT	**A**	Gale warnings, for Area Irish Sea. Inshore forecast for areas 10 and 11.
0750, 1950 LT	**A**	Gale warnings and shipping forecast for area Irish sea. Inshore forecast for areas 10 and 11. Navigational warnings: coastal (WZ) warnings for areas 10 and 11.
On receipt	**A**	Gale warnings, for Area Irish Sea. Strong wind warnings. Navigational warnings: coastal (WZ) warnings for areas 10 and 11.

Note: Vessels should listen to the MSI announcement on VHF Ch 16 for details of the working channel to be used for the broadcast.

Marine Rescue Co-ordination Centre: Humber (MRCC) **Call Sign:**

H24

Region: WMO REGION: VI
Position: 54°06'N 00°11'W
Radio Address:

METAREA: I

Area Covered: Sea areas and the Inshore waters around the United Kingdom of Great Britain and Northern Ireland

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2226 kHz		Flamborough 54°07'N 00°05'W	
	B	Ch 86		Cullercoats 55°04'N 01°28'W	
	B	Ch 86		Easington 53°39'N 00°06'W	
	B	Ch 23		Flamborough 54°07'N 00°05'W	
	B	Ch 23		Hartlepool 54°42'N 01°10'W	
	B	Ch 23		Newton 55°31'N 01°37'W	
	B	Ch 86		Ravenscar 54°24'N 00°30'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0150, 1350 LT	**A**	Repetition of gale warnings and inshore forecast made only if there are gale warnings in force.
0750, 1950 LT	**A, B**	Gale warnings and shipping forecast for areas: Tyne, Dogger, Humber and german Bight. Inshore forecast for areas: 3 and 4. 3-day forecast for fishermen (Oct-March). Navigational warnings: coastal (WZ) warnings for areas 3 and 4.
On receipt	**A, B**	Gale warnings, for Areas Tyne, Dogger, Humber and German Bight. Strong wind warnings. Navigational warnings: coastal (WZ) warnings for areas 3 and 4.
0450, 1050, 1650, 2250 LT	**B**	Repetition of inshore forecast and gale warnings. Strong wind warnings for areas 3 and 4.
0150, 1350 LT	**B**	Gale warnings, for Areas Tyne, Dogger, Humber and German Bight. Inshore forecast for areas: 3 and 4.

Note: Vessels should listen to the MSI announcement on VHF Ch 16 for details of the working channel to be used for the broadcast.

Marine Rescue Co-ordination Centre: Liverpool (MRSC) **Call Sign:**

H24

Region: WMO REGION: VI
Position: 53°30'N 03°03'W
Radio Address:

METAREA: I

Area Covered: Sea areas and the Inshore waters around the United Kingdom of Great Britain and Northern Ireland

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 86		Snaefell 54°16'N 04°28'W	
VHF	**A**	Ch 23		Moel-y-parc 53°13'N 03°18'W	
VHF	**A**	Ch 84		Langthwaite 54°02'N 02°46'W	
VHF	**A**	Ch 23		Caldbeck 54°46'N 03°05'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0430, 1030, 1630, 2230 LT	**A**	Repetition of inshore forecast and gale warnings. Strong wind warnings for areas 11 and 12.
0130, 1330 LT	**A**	Gale warnings, for Area: Irish Sea. Inshore forecast for areas 11 and 12.
0730, 1930 LT	**A**	Gale warnings and shipping forecast for area Irish Sea. Inshore forecast for areas 11 and 12. Navigational warnings: Coastal (WZ) warnings for areas 11 and 12.
On receipt	**A**	Gale warnings, for Area: Irish Sea. Strong wind warnings. Navigational warnings: Coastal (WZ) warnings for areas 11 and 12.

Note: Vessels should listen to the MSI announcement on VHF Ch 16 for details of the working channel to be used for the broadcast.

Marine Rescue Co-ordination Centre: Milford Haven (MRSC) **Call Sign:**

H24

Region: WMO REGION: VI

METAREA: I

Position: 51°42'N 05°03'W

Area Covered: Sea areas and the Inshore waters around the United Kingdom of Great Britain and Northern Ireland

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 84		St. Ann's Head 51°40'N 05°11'W	
VHF	**A**	Ch 84		Monkstone Point 51°42'N 04°41'W	
VHF	**A**	Ch 86		Dinas Head 52°00'N 04°54'W	
VHF	**A**	Ch 84		Blaenphwyf 52°22'N 04°06'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0450, 1050, 1650, 2250 LT	**A**	Repetition of inshore forecast and gale warnings. Strong wind warnings for areas 9 and 10.
0150, 1350 LT	**A**	Gale warnings, for Areas: Lundy, Irish Sea and Fastnet. Inshore forecast for areas 9 and 10.
0750, 1950 LT	**A**	Gale warnings and shipping forecast for areas: Lundy, Irish Sea and Fastnet. Inshore forecast for areas 9 and 10. Navigational warnings: coastal (WZ) warnings for areas 9 and 10.
On receipt	**A**	Gale warnings, for Areas: Lundy, Irish Sea and Fastnet. Strong wind warnings. Navigational warnings: coastal (WZ) warnings for areas 9 and 10.

Note: Vessels should listen to the MSI announcement on VHF Ch 16 for details of the working channel to be used for the broadcast.

Navtex Station: Niton **Call Sign:**

Note: Broadcasts are remotely controlled by Falmouth Coastguard.

Region: WMO REGION: VI
Position: 50°35'N 01°15'W
Radio Address:

METAREA: I

Area Covered: North Atlantic to Barents Sea
South of the North Sea and East of the Channel:
(a) Humber; (b) Tamise; (c) Pas de Calais; (d) Antifer; (e) Casquets; (f) Ouessant

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[I]	490 kHz			
MSI	[E]	518 kHz	N. France		

Broadcast Times	Frequency ID	Contents of Broadcast
0120, 0920, 1320, 2120(1)	[I]	Weather reports.
0520, 1720	[I]	Inshore waters 24 hour forecast, 24 hour outlook, wind, weather, visibility and sea state for areas: 5-9.
0040, 0440, 0840, 1240, 1640, 2040	[E]	Navigational warnings: coastal navigational warnings for areas 6-9. Navarea I warnings are included at 0440 and 1640.
0040	[E]	Extended outlook daily, signalling expected hazards (gales and/or extensive sea fog) for a further two or three days, for Thames, Dover, Wight, Portland, Plymouth, Biscay, FitzRoy, Sole, Lundy, Fastnet, Irish Sea and Shannon.
0840, 2040	[E]	Shipping Forecast: General Synopis. 24 hour forecast and 24 hour outlook (hazards) for Thames, Dover, Wight, Portland, Plymouth, Biscay, FItzRoy, Sole, Lundy & Fastnet.

(1) On trial.

Navtex Station: Niton (France)

Call Sign:

Note: Broadcasts are remotely controlled by Falmouth Coastguard.

Region: WMO REGION: VI

Position: 50°35'N 01°15'W

Radio Address:

METAREA: I

Area Covered: North Atlantic to Barents Sea
South of the North Sea and East of the Channel:
(a) Humber; (b) Tamise; (c) Pas de Calais; (d) Antifer; (e) Casquets; (f) Ouessant

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[T]	490 kHz			
MSI	[K]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0310, 0710, 1110, 1510, 1910, 2310	[T]	Storm warnings, Bulletins Météorologique Spéciaux - BMS for areas: Humber, Tamise, Pas de Calais, antifer, Casquets and Ouessant, in French. Navigational warnings: In French, for areas Antifer, Casquets and Ouessant, south of the Channel median to the French coast.
0710, 1910	[T]	Gale or storm warnings, synopsis and development, 24 hour forecast for areas: Humber, Tamise, pas de Calais, Antifer, Casquets and Ouessant, in French.
0140, 0540, 0940, 1340, 1740, 2140	[K]	Navigational warnings: coastal navigational warnings in English for Areas 6-7 south of the Channel median.

(1) Warnings for areas (e) and (f) are broadcast by CROSS CORSEN.

Marine Rescue Co-ordination Centre: Portland (MRSC) **Call Sign:**

H24

Region: WMO REGION: VI
METAREA: I
Position: 50°36'N 02°27'W
Area Covered: Sea areas and the Inshore waters around the United Kingdom of Great Britain and Northern Ireland
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 84		The Grove 50°33'N 02°25'W	
VHF	**A**	Ch 86		Beer Head 50°41'N 03°06'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0430, 1030, 1630, 2230 LT	**A**	Repetition of inshore forecast and gale warnings. Strong wind warnings for areas 6-8.
0130, 1330 LT	**A**	Gale warnings for areas: Wight, Portland and Plymouth. Inshore forecast for areas 6-8.
0730, 1930 LT	**A**	Gale warnings and shipping foreacast for Areas: Plymouth, Portland and Wight. Inshore forecast for areas 6-8. Navigational warnings: coastal (WZ) warnings for areas 6-8.
On receipt	**A**	Gale warnings for areas: Wight, Portland and Plymouth. Strong wind warnings. Navigational warnings: coastal (WZ) warnings for areas 6-8.

Note: Vessels should listen to the MSI announcement on VHF Ch 16 for details of the working channel to be used for the broadcast.

Navtex Station: Portpatrick

Call Sign:

Note: Broadcasts are remotely controlled by Falmouth Coastguard.

Region: WMO REGION: VI

Position: 54°51'N 05°07'W

Radio Address:

METAREA: I

Area Covered: Scotland (North Atlantic to Barents Sea)
Lundy, Fastnet, Irish Sea, Rockall, Malin, Hebrides, Bailey, Fair Isle. Faeroes, South-east Iceland
(Extended outlook includes additionally sea area Shannon)

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[C]	490 kHz			
MSI	[O]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0820, 2020	[C]	Inshore waters 24 hour forecast, 24 hours outlook, wind, weather, visibility and sea state for areas: 9-17.
0220, 0620, 1020, 1420, 1820, 2220	[O]	Navigational warnings: coastal navigational warnings for Areas 10-16. Navarea I Warnings area included at 0220 and 1420.
0200	[O]	Extended outlook daily, signalling expected hazards (gales and/or extensive sea fog) for a further two or three days, for Lundy, Fastnet, Irish Sea, Shannon, Rockall, Malin, Hebrides, Fair Isle, Faeroes and SE Iceland. In English.
0620, 1820	[O]	Shipping forecast: gale warnings, general synopsis, 24 hour forecast and 24 hour outlook (hazards) for Lundy, Fastnet, Irish Sea, Rockall, Malin, Hebrides, Bailey, Fair Isle, Faeroes and SE Iceland.

Marine Rescue Co-ordination Centre: Shetland (MRSC) **Call Sign:**

H24

Region: WMO REGION: VI
Position: 60°08'N 01°08'W
Radio Address:

METAREA: I

Area Covered: Sea areas and the Inshore waters around the United Kingdom of Great Britain and Northern Ireland

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	1 770 kHz		Collafirth 60°32'N 01°23'W	
VHF	**B**	Ch 84		Lerwick 60°08'N 01°08'W	
VHF	**B**	Ch 86		Wideford (Orkney) 58°59'N 03°01'W	
VHF	**B**	Ch 23		Saxa Vord 60°50'N 00°50'W	
VHF	**B**	Ch 23		Fitful Head 59°54'N 01°23'W	
VHF	**B**	Ch 86		Collafirth 60°32'N 01°23'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0110, 1310 LT	**A**	Repetition of gale warnings and inshore forecast made only if there are gale warnings in force.
0710, 1910 LT	**A, B**	Gale warnings and shipping forecast for areas: Faeroes, Fair Isle, Viking and Cromarty. Inshore forecast for areas 1 and 17. 3-day forecast for fishermen (Oct-March). Navigational warnings: coastal (WZ) warnings for areas 1 and 17.
On receipt	**A, B**	Gale warnings for areas: Faeroes, Fair Isle, Viking and Cromarty. Strong wind warnings. Navigational warnings: coastal (WZ) warnings for areas 1 and 17.
On receipt and at the following broadcasts until 0105, 0505, 0905, 1305, 1705, 2105	**A, C**	Gale warnings, for Areas: Faeroes, Fair Isle and Viking.
0410, 1010, 1610, 2210 LT	**B**	Repetition of inshore forecast and gale warnings. Strong wind warnings for areas 1 and 17.
0110, 1310 LT	**B**	Gale warnings for areas: Faeroes, Fair Isle, Viking and Cromarty. Inshore forecast for areas 1 and 17.

Note: Vessels should listen to the MSI announcement on VHF Ch 16 for details of the working channel to be used for the broadcast.

Marine Rescue Co-ordination Centre: Solent (MRSC) **Call Sign:**

H24

Region: WMO REGION: VI
Position: 50°48'N 01°13'W
Radio Address:

METAREA: I

Area Covered: Sea areas and the Inshore waters around the United Kingdom of Great Britain and Northern Ireland

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 86		Newhaven 50°47'N 00°03'E	
VHF	**A**	Ch 86		Needles 50°39'N 01°35'W	
VHF	**A**	Ch 23		Boniface Down 50°36'N 01°12'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0430, 1030, 1630, 2230 LT	**A**	Repetition of inshore forecast and gale warnings. Strong wind warnings for areas 6-8.
0130, 1330 LT	**A**	Gale warnings, for Areas: Wight, Portland and Plymouth. Inshore forecast for areas 6-8.
0730, 1930 LT	**A**	Gale warnings and shipping forecast for areas: Wight, Portland and Plymouth. Inshore forecast for areas 6-8. Navigational warnings: Coastal (WZ) for areas 6-8.
On receipt	**A**	Gale warnings, for Areas: Wight, Portland and Plymouth. Strong wind warnings. Navigational warnings: Coastal (WZ) for areas 6-8.

Note: Vessels should listen to the MSI announcement on VHF Ch 16 for details of the working channel to be used for the broadcast.

Marine Rescue Co-ordination Centre: Stornoway (MRSC) **Call Sign:**

H24

Region: WMO REGION: VI
Position: 58°12'N 06°22'W
Radio Address:

METAREA: I

Area Covered: Sea areas and the Inshore waters around the United Kingdom of Great Britain and Northern Ireland

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	1 743 kHz		Butt of Lewis 58°28'N 06°14'W	
VHF	**B**	Ch 84		Skriag 57°23'N 06°14'W	
VHF	**B**	Ch 86		Rodel 57°45'N 06°57'W	
VHF	**B**	Ch 84		Portnauguran 58°15'N 06°10'W	
VHF	**B**	Ch 23		Melvaig 57°51'N 05°47'W	
VHF	**B**	Ch 23		Forsnaval 58°13'N 07°00'W	
VHF	**B**	Ch 86		Drumfearn 57°12'N 05°48'W	
VHF	**B**	Ch 84		Clettraval 57°37'N 07°27'W	
VHF	**B**	Ch 86		Butt of Lewis 58°28'N 06°14'W	
VHF	**B**	Ch 10		Barra 57°01'N 07°30'W	
VHF	**B**	Ch 23		Arisaig 56°55'N 05°50'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0110, 1310 LT	**A**	Repetition of gale warnings and inshore forecast made only if there are gale warnings in force.
0710, 1910 LT	**A, B**	Gale warnings and shipping forecast for areas: Hebrides, Bailey, Rockall, Faeroes, fair Isle, SE Iceland and Malin. Inshore forecast for area 16. 3-day forecast for fishermen (Oct-March). Navigational warnings: coastal (WZ) warnings for area 16.
On receipt	**A, B**	Gale warnings for areas: Hebrides, Bailey, Rockall, Faeroes, fair Isle, SE Iceland and Malin. Strong wind warnings. Navigational warnings: coastal (WZ) warnings for area 16.
0410, 1010, 1610, 2210 LT	**B**	Repetition of inshore forecast and gale warnings. Strong wind warnings for area 16.
0110, 1310 LT	**B**	Gale warnings for areas: Hebrides, Bailey, Rockall, Faeroes, fair Isle, SE Iceland and Malin. Strong wind warnings. Inshore forecast for area 16.

Note: Vessels should listen to the MSI announcement on VHF Ch 16 for details of the working channel to be used for the broadcast.

Marine Rescue Co-ordination Centre: Swansea (MRCC) **Call Sign:**

H24

Region: WMO REGION: VI

METAREA: I

Position: 51°34'N 03°59'W

Area Covered: Sea areas and the Inshore waters around the United Kingdom of Great Britain and Northern Ireland

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 86		Severn Bridges 51°37'N 02°39'W	
VHF	**A**	Ch 23		St. Hillary 51°27'N 03°24'W	
VHF	**A**	Ch 86		Mumbles 51°34'N 03°59'W	
VHF	**A**	Ch 86		Hartland Point 51°01'N 04°31'W	
VHF	**A**	Ch 23		Combe Martin 51°10'N 04°03'W	

Broadcast Times	Frequency ID	Contents of Broadcast
0450, 1050, 1650, 2250 LT	**A**	repetition of inshore forecast and gale warnings. Strong wind warnings for areas 9 and 10.
0150, 1350 LT	**A**	gale warnings for areas: Lundy, Fastnet and Irish Sea. Inshore forecast for areas 9 and 10.
0750, 1950 LT	**A**	Gale warnings and shipping forecast for areas: Lundy, Fastnet and Irish Sea. Inshore forecast for areas 9 and 10. Navigational warnings: Coastal (WZ) warnings for areas 9 and 10.
On receipt	**A**	Gale warnings, for Areas: Lundy, Fastnet and Irish Sea. Strong wind warnings. Navigational warnings: Coastal (WZ) warnings for areas 9 and 10.

Note: Vessels should listen to the MSI announcement on VHF Ch 16 for details of the working channel to be used for the broadcast.

Marine Rescue Co-ordination Centre: Thames (MRCC) **Call Sign:**

H24

Region: WMO REGION: VI
METAREA: I
Position: 51°51'N 01°17'E
Area Covered: Sea areas and the Inshore waters around the United Kingdom of Great Britain and Northern Ireland
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 23		Walton on the Naze 51°51'N 01°17'E	
VHF	**A**	Ch 23		Shoeburyness 51°31'N 00°47'E	
VHF	**A**	Ch 86		Bradwell 51°44'N 00°53'E	
VHF	**A**	Ch 84		Bawdsey 52°00'N 01°25'E	

Broadcast Times	Frequency ID	Contents of Broadcast
0410, 1010, 1610, 2210 LT	**A**	Repetition of inshore forecast and gale warnings. Strong wind warnings for areas 5 and 6.
0110, 1310 LT	**A**	Gale warnings, for Areas: Humber, Thames, Wight and Dover. Inshore forecast for areas 5 and 6.
0710, 1910 LT	**A**	Gale warnings and shipping forecast for areas: Humber, Thames, Wight and Dover. Inshore forecast for areas 5 and 6. Navigational warnings: coastal (WZ) warnings for areas 5 and 6.
On receipt	**A**	Gale warnings, for Areas: Humber, Thames, Wight and Dover. Strong wind warnings. Navigational warnings: coastal (WZ) warnings for areas 5 and 6.

Note: Vessels should listen to the MSI announcement on VHF Ch 16 for details of the working channel to be used for the broadcast.

Marine Rescue Co-ordination Centre: Yarmouth (MRCC) **Call Sign:**

H24

Region: WMO REGION: VI
Position: 52°36'N 01°43'E
Radio Address:

METAREA: I

Area Covered: North Atlantic to Barents Sea - Sea areas and the Inshore waters around the United Kingdom of Great Britain and Northern Ireland

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 23		Yarmouth 52°36'N 01°43'E	
VHF	**A**	Ch 23		Trimingham 52°55'N 01°21'E	
VHF	**A**	Ch 23		Lowestoft 52°29'N 01°46'E	
VHF	**A**	Ch 86		Langham 52°57'N 00°57'E	
VHF	**A**	Ch 23		Guy's Head 52°48'N 00°13'E	

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt and at the following broadcasts until 0040, 0440, 0840, 1240, 1640, 2040	**A**	Navigational warnings for area: Juliett and Kilo.
0450, 1050, 1650, 2250 LT	**A**	Repetition of inshore forecast and gale warnings. Strong wind warnings for areas 4 and 5.
0150, 1350 LT	**A**	Gale warnings, for Areas: Humber and Thames. Inshore forecast for areas 4 and 5.
0750, 1950 LT	**A**	Gale warnings and shipping forecast for areas: Humber and Thames. Inshore forecast for areas 4 and 5. Navigational warnings: coastal (WZ) warnings for areas 4 and 5.
On receipt	**A**	Gale warnings, for Areas: Humber and Thames. Strong wind warnings. Navigational warnings: coastal (WZ) warnings for areas 4 and 5.

Note: Vessels should listen to the MSI announcement on VHF Ch 16 for details of the working channel to be used for the broadcast.

Marine Rescue Co-ordination Centre: Astoria (USCG)

Call Sign: NMW

24-hour watch

METAREA: XII

Area Covered: East Pacific

Region: WMO REGION: IV

Position: 46°12'N 123°57'W

Radio Address: METEO WASHDC

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 670 kHz			
VHF	**B**	Ch 22A			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt 0533, 1733	**A, B**	Navigational warnings: Local warnings.
0533, 1733	**A, B**	Gale warnings, synopsis and forecast for offshore areas 81 and 82.

Navtex Station: Astoria (USCG)

Call Sign: NMW

24-hour watch

METAREA: XII

Area Covered: East Pacific

Region: WMO REGION: IV

Position: 46°12'N 123°57'W

Radio Address: METEO WASHDC

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	**[W]**	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0130, 0530, 0930, 1330, 1730, 2130	**[W]**	Gale warnings, coastal forecast for all areas. Offshore forecast for Areas 81-85. In English. Navigational warnings: Notices to Mariners for areas Alameda and Seattle. Electronic Navigation Advisories. In English.

Marine Rescue Co-ordination Centre: Atlantic City (USCG)

Call Sign:

Region: WMO REGION: IV
Position: 38°57'N 74°53'W
Radio Address:

METAREA: IV
Area Covered: Atlantic Coast

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 670 kHz			
VHF	**B**	Ch 22A			

Broadcast Times	Frequency ID	Contents of Broadcast
1103, 2303	**A, B**	Local weather. Navigational warnings: Local warnings.
On receipt	**A, B**	Storm warnings. Navigational warnings: Local warnings.

Marine Rescue Co-ordination Centre: Baltimore (USCG)

Call Sign:

Region: WMO REGION: IV
Position:
Radio Address:

METAREA: IV
Area Covered: Atlantic Coast

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 22A			

Broadcast Times	Frequency ID	Contents of Broadcast
0130, 1205	**A**	Local weather. Navigational warnings: Local warnings.
On receipt	**A**	Storm warnings. Navigational warnings: Local warnings.

Marine Rescue Co-ordination Centre: Boston, Massachusetts (USCG) **Call Sign: NMF, NIK**

24-hour watch

METAREA: IV

Area Covered: North Atlantic to Barents Sea

Region: WMO REGION: IV

Position: 41°42'N 70°30'W

Radio Address: METEO WASHDC; SELCAL #1095; SITOR/ARQ

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
Radio-Telex	**A**	6 314 kHz			
Radio-Telex	**B**	8 416.5 kHz			
Radio-Telex	**C**	12 579 kHz			
Radio-Telex	**D**	16 806.5 kHz			
RT (MF)	**E**	2 670 kHz			
VHF	**F**	Ch 22A			

Broadcast Times	Frequency ID	Contents of Broadcast
0030 (Feb-July approx)	**A-C**	Navigational warnings: International Ice Patrol Bulletin. Ice chart available on request.
0140	**A-C**	Gale warnings, 24 hour forecast for North Atlantic, W of 35°W, including the Caribbean Sea and Gulf of Mexico. Navigational warnings: NAVAREA IV warnings are broadcast at two successive scheduled times.
1218 (Feb-July approx)	**B-D**	Navigational warnings: International Ice Patrol Bulletin. Ice chart available on request.
1630	**B-D**	Gale warnings, 24 hour forecast for North Atlantic, W of 35°W, including the Caribbean Sea and Gulf of Mexico. Navigational warnings: NAVAREA IV warnings are broadcast at two successive scheduled times.
1035, 2235	**E, F**	Local weather. Navigational warnings: Local warnings.
On receipt	**F**	Gale warnings.

NOTE: Remotely controlled from CAMSLANT

Navtex Station: Boston, Massachusetts (USCG)

Call Sign: NMF, NIK

24-hour watch

METAREA: IV
Area Covered: North Atlantic to Barents Sea

Region: WMO REGION: IV
Position: 41°42'N 70°30'W
Radio Address: METEO WASHDC; SELCAL #1095; SITOR/ARQ

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[F]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0045, 0445, 0845, 1245, 1645, 2045 (Feb-July approx)	[F]	Navigational warnings: International Ice Patrol Bulletin. In English.
0045, 0445, 0845, 1245, 1645, 2045	[F]	Gale warnings, synopsis and forecast. In English. Navigational warnings: For coastal waters. In English.

NOTE: Remotely controlled from CAMSLANT

Marine Rescue Co-ordination Centre: Buffalo (USCG)

Call Sign: NMD47

METAREA: IV
Area Covered: Great Lakes

Region: WMO REGION: IV
Position:
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 22A			

Broadcast Times	Frequency ID	Contents of Broadcast
0255, 1455	A	Local weather. Navigational warnings: Local warnings.
On receipt	A	Gale warnings for Lakes Erie and Ontario. Navigational warnings: Local warnings.

Navtex Station: CAMSLANT (Portsmouth)

Call Sign:

24-hour watch

METAREA: IV

Area Covered: North Atlantic to Barents Sea

Region: WMO REGION: IV

Position: 36°45'N 76°01'W

Radio Address: METEO WASHDC; SELCAL#1097; SITOR/ARQ

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[N]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0130, 0530, 0930, 1330, 1730, 2130	[N]	Gale warnings, synopsis and forecast. In English.

Navtex Station: CAMSPAC, Point Reyes (San Francisco)

Call Sign:

METAREA: XII

Area Covered: Pacific Coast

Region: WMO REGION: IV

Position: 37°56'N 122°44'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[C]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0000, 0400, 0800, 1200, 1600, 2000	[C]	Gale warnings, coastal forecast for all areas. Synopsis and forecast for Areas 83-85. In English. Navigational warnings: Notices to Mariners for areas Alameda and Seattle. Electronic Navigation Advisories. In English.

Marine Rescue Co-ordination Centre: Cape Hatteras (USCG)

Call Sign: NMN13

METAREA: IV
Area Covered: Atlantic Coast

Region: WMO REGION: IV
Position: 35°14'N 75°32'W
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 670 kHz			
VHF	**B**	Ch 22A			

Broadcast Times	Frequency ID	Contents of Broadcast
0133, 1303	**A**	Local weather. Navigational warnings: Local warnings.
On receipt	**A**	Gale warnings.
On receipt	**A, B**	Navigational warnings: Local warnings.
0100, 1055	**B**	Local weather. Navigational warnings: Local warnings.

Marine Rescue Co-ordination Centre: Charleston (USCG)

Call Sign: NMB

METAREA: IV
Area Covered: Atlantic Coast

Region: WMO REGION: IV
Position: 32°47'N 79°57'W
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 670 kHz			
VHF	**B**	Ch 22A			

Broadcast Times	Frequency ID	Contents of Broadcast
0420, 1620	**A**	Local warnings. Navigational warnings: Local warnings.
On receipt	**A, B**	Local warnings. Navigational warnings: Local warnings.
1200, 2200	**B**	Local warnings. Navigational warnings: Local warnings.

Marine Rescue Co-ordination Centre: Chesapeake (US COAST GUARD)
CAMSLANT (Communications Area Master Station Atlantic)

Call Sign: NMN

Region: WMO REGION: IV
Position: 36°47'N 76°20'W
Radio Address:

METAREA: IV
Area Covered: Atlantic Coast

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	**A**	4 426 kHz	(424)		
RT (HF)	**B**	6 501 kHz	(601)		
RT (HF)	**C**	8 764 kHz	(816)		
RT (HF)	**D**	13 089 kHz	(1205)		
RT (HF)	**E**	17 314 kHz	(1625)		

Broadcast Times	Frequency ID	Contents of Broadcast
0515	**A-C**	High Seas Forecast: warnings, synopsis and forecast for the North Atlantic N of 7°N, W of 35°W including the Gulf of Mexico and Caribbean Sea.
0330, 0930	**A-C**	Off shore forecasts: warnings, synopsis and forecast for all areas.
0330, 0515, 0930, 1115, 1530, 1715, 2130, 2315	**A-E**	Hurricane information.
1115, 2315	**B-D**	High Seas Forecast: warnings, synopsis and forecast for the North Atlantic N of 7°N, W of 35°W including the Gulf of Mexico and Caribbean Sea.
1530, 2130	**B-D**	Off shore forecasts: warnings, synopsis and forecast for all areas.
1715	**C-E**	High Seas Forecast: warnings, synopsis and forecast for the North Atlantic N of 7°N, W of 35°W including the Gulf of Mexico and Caribbean Sea.

Marine Rescue Co-ordination Centre: Chincoteague (Eastern Shore) (USCG)

Call Sign: NMN70

METAREA: IV
Area Covered: Atlantic Coast

Region: WMO REGION: IV
Position: 36°56'N 75°23'W
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 670 kHz			
VHF	**B**	Ch 22A			

Broadcast Times	Frequency ID	Contents of Broadcast
0233, 1403	**A**	Local weather. Navigational warnings: Local warnings.
On receipt	**A**	Gale warnings. Navigational warnings: Local warnings.
0200, 1145	**B**	Local weather. Navigational warnings: Local warnings.

Marine Rescue Co-ordination Centre: Corpus Christi (USCG)

Call Sign: NOY8

METAREA: IV
Area Covered: Gulf coast

Region: WMO REGION: IV
Position: 27°48'N 97°24'W
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 670 kHz			
VHF	**B**	Ch 22A			

Broadcast Times	Frequency ID	Contents of Broadcast
1040, 1240, 1640, 2240	**A, B**	Local weather. Navigational warnings: Local warnings.
On receipt	**A, B**	Gale warnings.

Marine Rescue Co-ordination Centre: Detroit (USCG)

Call Sign: NMD25

Region: WMO REGION: IV
METAREA: IV
Position:
Area Covered: Great Lakes
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 22A			

Broadcast Times	Frequency ID	Contents of Broadcast
0135, 1335	**A**	Local weather. Navigational warnings: Local warnings.
On receipt	**A**	Gale warnings for Lakes Erie S. Clair and Huron. Navigational warnings: Local warnings.

Marine Rescue Co-ordination Centre: Fort Macon (USCG)

Call Sign:

Region: WMO REGION: IV
METAREA: IV
Position: 34°41'N 76°41'W
Area Covered: Atlantic Coast
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 670 kHz			
VHF	**B**	Ch 22 CG			

Broadcast Times	Frequency ID	Contents of Broadcast
0103, 1233	**A**	Local weather. Navigational warnings: Local warnings.
On receipt	**A, B**	Gale warnings. Navigational warnings: Local warnings.
0130, 1030	**B**	Local weather. Navigational warnings: Local warnings.

Marine Rescue Co-ordination Centre: Galveston (USCG)

Call Sign:

Region: WMO REGION: IV
Position: 29°20'N 94°46'W
Radio Address:

METAREA: IV
Area Covered: Gulf coast

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 670 kHz			
VHF	**B**	Ch 22 CG			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt 1050, 1250, 1650, 2250	**A, B**	Gale warnings. Navigational warnings: Local warnings.
On receipt	**A, B**	Gale warnings.

Marine Rescue Co-ordination Centre: Grand Haven (USCG)

Call Sign: NMD32

Region: WMO REGION: IV
Position:
Radio Address:

METAREA: IV
Area Covered: Great Lakes

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 22A			

Broadcast Times	Frequency ID	Contents of Broadcast
0235, 1435	**A**	Local weather. Navigational warnings: Local warnings.

Marine Rescue Co-ordination Centre: Hampton Roads (USCG)

Call Sign:

Region: WMO REGION: IV
Position: 36°53'N 76°21'W
Radio Address:

METAREA: IV
Area Covered: Atlantic Coast

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	2 670 kHz			
VHF	B	Ch 22A			

Broadcast Times	Frequency ID	Contents of Broadcast
0203, 1333	A	Local weather. Navigational warnings: Local warnings.
0230, 1120	B	Local weather. Navigational warnings: Local warnings.

Marine Rescue Co-ordination Centre: Humboldt Bay (USCG)

Call Sign: NMC11

Region: WMO REGION: IV
Position: 40°46'N 124°03'W
Radio Address:

METAREA: XII
Area Covered: Pacific coast

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	2 670 kHz			
VHF	B	Ch 22A			

Broadcast Times	Frequency ID	Contents of Broadcast
0303, 1503	A	Gale warnings and local weather. Navigational warnings: Local warnings.
On receipt	A, B	Gale warnings. Navigational warnings: Local warnings.
1615, 2315	B	Gale warnings and local weather. Navigational warnings: Local warnings.

Marine Rescue Co-ordination Centre: Key West (USCG)

Call Sign: NOK

Region: WMO REGION: IV
METAREA: IV
Position:
Area Covered: Atlantic Coast
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 22A			

Broadcast Times	Frequency ID	Contents of Broadcast
1200, 2200	A	Local weather. Navigational warnings: Local warnings.
On receipt	A	Gale warnings. Navigational warnings: Local warnings.

Maritime Radio Station: KKL Radio - Vashon Island

Call Sign:

Region: WMO REGION: IV
METAREA: XII
Position: 47°22'N 122°29'W
Area Covered: Pacific Coast
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	A	4 125 kHz			1400-0400
RT (HF)	B	12 103 kHz			1400-0400

Broadcast Times	Frequency ID	Contents of Broadcast
On request	A, B	Weather reports for the Gulf of alaska and Bering Sea to the International Dateline, coasts of Washington and Oregon out to 250 n miles, North Pacific to 55°N west to 180° and south to Equator. Navigational warnings: Navigational warnings: Local warnings for Washington and Oregon coastal waters. Ice Reports for Alaskan coastal waters.

Navtex Station: Long Beach (Cambria)

Call Sign:

Region: WMO REGION: IV
METAREA: XII
Position: 35°31'N 121°03'W
Area Covered: East Pacific
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[Q]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0045, 0445, 0845, 1245, 1645, 2045	[Q]	Gale warnings, coastal forecast for all areas. Offshore forecast for Areas 81-85. In English. Navigational warnings: Notices to Mariners for areas Alameda and Seattle. In English.

Marine Rescue Co-ordination Centre: Long BeachUS COAST GUARD)

Call Sign: NMQ9

24-hour watch

Region: WMO REGION: IV
METAREA: XII
Position: 33°44'N 118°24'W
Area Covered: East Pacific
Radio Address: METEO WASHDC

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	2 670 kHz			
VHF	B	Ch 22A			

Broadcast Times	Frequency ID	Contents of Broadcast
0503, 1303, 2103	A	Gale warnings and local weather. Navigational warnings: Local warnings.
0200, 1800	B	Gale warnings and local weather. Navigational warnings: Local warnings.

Marine Rescue Co-ordination Centre: Long Island Sound (USCG)

Call Sign:

METAREA: IV
Area Covered: Atlantic Coast

Region: WMO REGION: IV
Position: 41°16'N 72°54'W
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 22A			

Broadcast Times	Frequency ID	Contents of Broadcast
1120, 2320	**A**	Local weather. Navigational warnings: Local warnings.

Marine Rescue Co-ordination Centre: Mayport (USCG)

Call Sign: NMV

METAREA: IV
Area Covered: Atlantic Coast

Region: WMO REGION: IV
Position: 30°23'N 72°54'W
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 670 kHz			
VHF	**B**	Ch 22A			

Broadcast Times	Frequency ID	Contents of Broadcast
0620, 1820	**A**	Gale warnings and local weather. Reports from meteorological observation statins: Jacksonville, Melbourne (Florida) and Savannah. Navigational warnings: Local warnings.
On receipt	**A, B**	Gale warnings. Navigational warnings: Local warnings.
1215, 2215	**B**	Gale warnings and local weather. Navigational warnings: Local warnings.

Marine Rescue Co-ordination Centre: Miami (USCG)

Call Sign: NCF, NMA

24-hour watch

METAREA: IV
Area Covered: Atlantic Coast

Region: WMO REGION: IV
Position: 25°54'N 80°16'W
Radio Address: METEO WASHDC

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	2 670 kHz			
RT (MF)	A	2 670 kHz			
VHF	B	Ch 22A			
VHF	B	Ch 22A			

Broadcast Times	Frequency ID	Contents of Broadcast
0350, 1550	A	Local weather. Navigational warnings: Local warnings.
On receipt	A, B	Gale warnings. Navigational warnings: Local warnings.
On receipt	A, B	Gale warnings. Navigational warnings: Local warnings.
1230, 2230	B	Local weather. Navigational warnings: Local warnings.

Navtex Station: Miami (USCG)

Call Sign: NCF, NMA

24-hour watch

METAREA: IV
Area Covered: Atlantic Coast

Region: WMO REGION: IV
Position: 25°54'N 80°16'W
Radio Address: METEO WASHDC

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[A]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0000, 0400, 0800, 1200, 1600, 2000	[A]	Gale warnings, synopsis and forecast. In English. Navigational warnings: Local warnings. In English.

NOTE: Remotely controlled from CAMSLANT

Marine Rescue Co-ordination Centre: Milwaukee (USCG) **Call Sign: NMP9**

Region: WMO REGION: IV
Position:
Radio Address:

METAREA: IV
Area Covered: Great Lakes

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 22A			

Broadcast Times	Frequency ID	Contents of Broadcast
0255, 1455	**A**	Local weather. Navigational warnings: Local warnings.
On receipt	**A**	Gale warnings for Lake Michigan.

METAREA: IV

Area Covered: Gulf coast

Region: WMO REGION: IV

Position: 30°42'N 88°02'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	**A**	8 788 kHz	(824)		
RT (HF)	**A**	13 110 kHz	(1212)		
RT (HF)	**A**	17 362 kHz	(1641)		
RT (HF)	**A**	22 804 kHz	(2237)		
RT (HF)	**A**	4 369 kHz	(405)		
Radio-telex	**B**	8 423.5 kHz	(815)		
Radio-telex	**B**	4 213 kHz	(406)		
Radio-telex	**B**	6 317 kHz	(606)		
Radio-telex	**B**	8 421 kHz	(810)		
Radio-telex	**B**	26 105.5 kHz	(2215)		
Radio-telex	**B**	12 581.5 kHz	(1205)		
Radio-telex	**B**	12 584.5 kHz	(1211)		
Radio-telex	**B**	16 809 kHz	(1605)		
Radio-telex	**B**	16 814 kHz	(1615)		
Radio-telex	**B**	19 685.5 kHz	(1615)		
Radio-telex	**B**	22 383.5 kHz	(2215)		
Radio-telex	**B**	8 419 kHz	(806)		

Broadcast Times	Frequency ID	Contents of Broadcast
0500, 1100, 1700, 2300	**A**	Forecast for Gulf of Mexico, Southwest North Atlantic and Caribbean.
Every H+00	**A**	Tropical weather updates during hurricane season.
On request using command "WX+" (this service is chargeable)	**B**	NOAA selected weather products for all ocean areas adjoining the United States. Additional specific weather products are generated during the annual occurrence of the Hurricane Season. Weather forecast releases are made four times daily at six hour intervals. Each product has its regularly scheduled release time.

Marine Rescue Co-ordination Centre: Mobile (USCG)

Call Sign: NOQ

METAREA: IV
Area Covered: Gulf coast

Region: WMO REGION: IV
Position: 30°39'N 88°03'W
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	2 670 kHz			
VHF	B	Ch 22A			

Broadcast Times	Frequency ID	Contents of Broadcast
1020, 1220, 1620, 2220	A, B	Local weather. Navigational warnings: Local warnings.
On receipt	A, B	Gale warnings. Navigational warnings: Local warnings.

Marine Rescue Co-ordination Centre: Moriches (USCG)

Call Sign:

METAREA: IV
Area Covered: Atlantic Coast

Region: WMO REGION: IV
Position: 40°47'N 72°45'W
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	2 670 kHz			
RT (MF)	A	2 670 kHz			
VHF	B	Ch 22A			
VHF	B	Ch 22A			

Broadcast Times	Frequency ID	Contents of Broadcast
0010, 1210	A, B	Local weather. Navigational warnings: Local warnings.
On receipt	A, B	Gale warnings. Navigational warnings: Local warnings.
0010, 1210	A, B	Local weather. Navigational warnings: Local warnings.
On receipt	A, B	Gale warnings. Navigational warnings: Local warnings.

Marine Rescue Co-ordination Centre: New Orleans (USCG)

Call Sign: NMG

24-hour watch

Region: WMO REGION: IV
Position: 29°53'N 89°57'W
Radio Address: METEO WASHDC

METAREA: IV
Area Covered: Gulf coast

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 670 kHz			
RT (HF)	**B**	12 788 kHz			
RT (HF)	**B**	8 502 kHz			
RT (HF)	**B**	4 316 kHz			
VHF	**C**	Ch 22A			

Broadcast Times	Frequency ID	Contents of Broadcast
0550, 1035, 1235, 1635, 2235	**A**	Local weather.
On receipt	**A, C**	Gale warnings. Navigational warnings: Local warnings.
0330, 0515, 0930, 1115, 1530, 1715, 2130, 2315,	**B**	Hurricane information.
0515, 1115, 1715, 2315	**B**	High seas forecasts: warnings, synosis and forecast for the North Atlantic N of 7°N, W of 35°W including the Gulf of Mexico and Caribbean Sea.
0330, 0930, 1530, 2130	**B**	Offshore forecasts: warnings, synopsis and forecasts for all areas.
1035, 1235, 1635, 2235	**C**	Local weather. Navigational warnings: Local warnings.

Navtex Station: New Orleans (USCG)

Call Sign:

METAREA: IV
Area Covered: Gulf coast

Region: WMO REGION: IV
Position: 29°53'N 89°55'W
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[G]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0300, 0700, 1100, 1500, 1900, 2300	[G]	Gale warnings and local weather. In English. Navigational warnings: Local warnings. In English.

Marine Rescue Co-ordination Centre: New York (USCG)

Call Sign: KEA

METAREA: IV
Area Covered: Atlantic Coast

Region: WMO REGION: IV
Position: 40°28'N 74°00'W
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 22A			
VHF	A	Ch 22A			

Broadcast Times	Frequency ID	Contents of Broadcast
1050, 2250	A	Local weather. Navigational warnings: Local warnings.
1050,, 2250	A	Local weather. Navigational warnings: Local warnings.

Marine Rescue Co-ordination Centre: North Bend (USCG)

Call Sign: NOE

METAREA: XII
Area Covered: Pacific coast

Region: WMO REGION: IV
Position: 43°25'N 124°14'W
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 670 kHz			
VHF	**B**	Ch 22A			

Broadcast Times	Frequency ID	Contents of Broadcast
0603, 1803	**A, B**	Gale warnings, synopsis and forecast for offshore areas 81 and 82. Gale warnings and local weather for coastal areas. Navigational warnings: Local warnings.
On receipt	**A, B**	Gale warnings for offshore areas 81 and 82. Navigational warnings: Local warnings.

Marine Rescue Co-ordination Centre: Philadelphia (USCG)

Call Sign:

METAREA: IV
Area Covered: Atlantic Coast

Region: WMO REGION: IV
Position:
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 22A			

Broadcast Times	Frequency ID	Contents of Broadcast
0035, 1235	**A**	Local weather. Navigational warnings: Local warnings.

Marine Rescue Co-ordination Centre: Point Reyes (US COAST GUARD)
CAMSPAC (Communications Area Master Station Pacific)

Call Sign: NMC

Region: WMO REGION: IV
Position: 37°56'N 122°44'W
Radio Address:

METAREA: XII
Area Covered: Pacific coast

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
Radio-telex	A	16 806.5 kHz			
Radio-telex	A	8 416.5 kHz			
RT (HF)	B	4 426 kHz	(424)		
RT (HF)	C	13 089 kHz	(1205)		
RT (HF)	C	8 764 kHz	(816)		
RT (HF)	D	17 314 kHz	(1625)		

Broadcast Times	Frequency ID	Contents of Broadcast
0015, 1730	A	High Seas forecast for NE Pacific - Equator to 30°N and E of 140°W, and Mid Pacific. Navigational warnings: NAVAREA XII warnings. Electronic Navigation Advisories.
0430, 1030	B, C	Offshore forecasts for Areas 81-85. High Seas forecast for NE Pacific - Equator to 30°N and E of 140°W.
1630, 2230	C, D	Offshore forecasts for Areas 81-85. High Seas forecast for NE Pacific - Equator to 30°N and E of 140°W.

Marine Rescue Co-ordination Centre: Port Angeles (USCG)

Call Sign: NOW

METAREA: XII
Area Covered: Pacific coast

Region: WMO REGION: IV
Position: 48°08'N 123°24'W
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 670 kHz			
VHF	**B**	Ch 22A			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt 0615, 1815	**A**	Navigational warnings: Local warnings.
0615, 1815	**A**	Gale warnings, synopsis and forecast for offshore areas 81 and 82.
On receipt	**A**	Offshore forecasts for Areas 81, 82.
On receipt 0615, 1815	**B**	Navigational warnings: Local warnings.

Marine Rescue Co-ordination Centre: Portland (USCG)

Call Sign: NMF31

METAREA: IV
Area Covered: Pacific coast

Region: WMO REGION: IV
Position: 43°40'N 70°15'W
Radio Address:

Marine Rescue Co-ordination Centre: Saint Petersburg (USCG)

Call Sign: NME

METAREA: IV
Area Covered: Gulf coast

Region: WMO REGION: IV
Position: 27°46'N 82°38'W
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	2 670 kHz			
VHF	B	Ch 22A			

Broadcast Times	Frequency ID	Contents of Broadcast
0320, 1420	A	Local weather. Navigational warnings: Local warnings.
On receipt	A, B	Gale warnings. Navigational warnings: Local warnings.
1300, 2300	B	Local weather. Navigational warnings: Local warnings.

Marine Rescue Co-ordination Centre: San Diego (USCG)

Call Sign: NOR

METAREA: XII
Area Covered: Pacific coast

Region: WMO REGION: IV
Position: 32°44'N 117°10'W
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 22A			

Broadcast Times	Frequency ID	Contents of Broadcast
On receipt	A	Local weather. Navigational warnings: Local warnings.

Marine Rescue Co-ordination Centre: San Francisco (USCG)

Call Sign: KPH

24-hour watch

METAREA: XII
Area Covered: East Pacific

Region: WMO REGION: IV
Position: 37°38'N 122°23'W
Radio Address: METEO WASHDC; SECAL#1096; SITOR/ARQ

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 670 kHz			
VHF	**B**	Ch 22A			

Broadcast Times	Frequency ID	Contents of Broadcast
0203, 1403	**A**	Local weather. Navigational warnings: Local warnings.
On receipt	**A, B**	Gale warnings. Navigational warnings: Local warnings.
1630, 1900, 2130(1)	**B**	Local weather. Navigational warnings: Local warnings.

(1) Winter.

Marine Rescue Co-ordination Centre: Sandy Hook (USCG)

Call Sign: NMF52

METAREA: IV
Area Covered: Atlantic Coast

Region: WMO REGION: IV
Position: 40°28'N 24°01'W
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 22A			

Broadcast Times	Frequency ID	Contents of Broadcast
1020, 2220	**A**	Local weather. Navigational warnings: Local warnings.

Marine Rescue Co-ordination Centre: Sault Sainte Marie (USCG)

Call Sign: NOG

Region: WMO REGION: IV
METAREA: IV
Position:
Area Covered: Great Lakes
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 22A			

Broadcast Times	Frequency ID	Contents of Broadcast
0005, 1205	A	Local weather. Navigational warnings: Local warnings.
On receipt	A	Gale warnings for Lakes Superior, Michigan and Huron. Navigational warnings: Local warnings.

Navtex Station: Savannah

Call Sign:

Region: WMO REGION: IV
METAREA: IV
Position: 32°08'N 81°42'W
Area Covered: Atlantic Coast
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[E]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0040, 0440, 0840, 1240, 1640, 2040	[E]	Gale warnings, synopsis and forecast. In English.

NOTE: Remotely controlled from CAMSLANT

Maritime Radio Station: Seattle — Call Sign: KLB

METAREA: XII
Area Covered: Pacific coast

Region: WMO REGION: IV
Position: 48°12'N 122°14'W
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	A	17 311 kHz	(1624)		
RT (HF)	A	13 101 kHz	(1209)		
RT (HF)	A	8 731 kHz	(805)		
RT (HF)	A	4 405 kHz	(417)		

Broadcast Times	Frequency ID	Contents of Broadcast
0800, 1500	A	Forecast for Alaska offshore.
0800, 1500, 2000	A	Forecast for North East Pacific.
Every H+00	A	Tropical weather updates during hurricane season.

Marine Rescue Co-ordination Centre: Seattle (USCG) — Call Sign: NMW43

METAREA: XII
Area Covered: Pacific coast

Region: WMO REGION: IV
Position:
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 22A			

Broadcast Times	Frequency ID	Contents of Broadcast
0630, 1830	A	Local weather. Navigational warnings: Local warnings.
On receipt	A	Gale warnings. Navigational warnings: Local warnings.

Marine Rescue Co-ordination Centre: Soutwest Harbour (USCG)

Call Sign: NMF44

METAREA: IV
Area Covered: Atlantic Coast

Region: WMO REGION: IV
Position: 44°16'N 68°19'W
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 670 kHz			
VHF	**B**	Ch 22A			

Broadcast Times	Frequency ID	Contents of Broadcast
1135, 2335	**A, B**	Local weather. Navigational warnings: Local warnings.

Marine Rescue Co-ordination Centre: Woods Hole (USCG)

Call Sign: NMF2

METAREA: IV
Area Covered: Atlantic Coast

Region: WMO REGION: IV
Position: 41°34'N 70°40'W
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 670 kHz			
VHF	**B**	Ch 22A			

Broadcast Times	Frequency ID	Contents of Broadcast
0440, 1640	**A**	Local weather. Navigational warnings: Local warnings.
On receipt	**A, B**	Gale warnings. Navigational warnings: Local warnings.
1005, 2205	**B**	Local weather. Navigational warnings: Local warnings.

Marine Rescue Co-ordination Centre: Atlántida (PREFECTURA)

Call Sign:

Region: WMO REGION: III
Position: 34°47'S 55°45'W
Radio Address:

METAREA: V
Area Covered: -

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 15			

Broadcast Times	Frequency ID	Contents of Broadcast
0533, 1333, 1933	**A**	

Marine Rescue Co-ordination Centre: Carmelo (PREFECTURA)

Call Sign:

Region: WMO REGION: III
Position: 34°00'S 54°18'W
Radio Address:

METAREA: V
Area Covered: -

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 15			

Broadcast Times	Frequency ID	Contents of Broadcast
0300, 1503, 2133	**A**	

Marine Rescue Co-ordination Centre: Colonia (PREFECTURA)

Call Sign:

Region: WMO REGION: III
Position: 34°28'S 57°51'W
Radio Address:

METAREA: V
Area Covered: -

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 15			
RT (MF)	B	2 722.1 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0333, 1333, 2103	A	Weather bulletins.

Marine Rescue Co-ordination Centre: Control Montevideo (PREFECTURA)

Call Sign:

Region: WMO REGION: III
Position: 34°54'S 56°12'W
Radio Address:

METAREA: V
Area Covered: -

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 15			

Broadcast Times	Frequency ID	Contents of Broadcast
0103, 1133, 1903	A	Weather bulletins.

Marine Rescue Co-ordination Centre: Fray Bentos (PREFECTURA)

Call Sign:

Region: WMO REGION: III
Position: 33°07'S 58°18'W
Radio Address:

METAREA: V
Area Covered: -

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 15			
VHF	A	Ch 15			

Broadcast Times	Frequency ID	Contents of Broadcast
0200, 0800, 1400, 2000	A	Weather bulletins.

Marine Rescue Co-ordination Centre: La Paloma

Call Sign:

Region: WMO REGION: III
Position: 34°39'S 54°08'W
Radio Address:

METAREA: V
Area Covered: -

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 15			
RT (MF)	B	2 722.1 kHz			
RT (HF)	C	4 146 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0600, 1200, 1900	A	Weather bulletins.

Navtex Station: La Paloma

Call Sign:

METAREA: V

Area Covered: -

Region: WMO REGION: III

Position: 34°40'S 54°09'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[A]	490 kHz			
MSI	[F]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0000, 0400, 0800, 1200, 1600, 2000	[A]	Near gale warnings and local coastal forecast for areas B and C. In Spanish. Navigational warnings: Local warnings. In Spanish.
0050, 0450, 0850, 1250, 1650, 2050	[F]	Near gale warnings and local coastal forecast for areas B and C. In English. Navigational warnings: Local warnings. In English.

Marine Rescue Co-ordination Centre: Nueva Palmira (PREFECTURA)

Call Sign:

METAREA: V

Area Covered: -

Region: WMO REGION: III

Position: 33°53'S 58°25'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 15			

Broadcast Times	Frequency ID	Contents of Broadcast
0333, 1033, 1500, 1803, 2100	A	Weather bulletins.

Marine Rescue Co-ordination Centre: Paysandú (PREFECTURA)

Call Sign:

METAREA: V

Area Covered: -

Region: WMO REGION: III

Position: 32°18'S 58°05'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 15			

Broadcast Times	Frequency ID	Contents of Broadcast
0300, 0903, 2103	A	Weather bulletins.

Marine Rescue Co-ordination Centre: Piriápolis (PREFECTURA)

Call Sign:

METAREA: V

Area Covered: -

Region: WMO REGION: III

Position: 34°53'S 55°16'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 15			

Broadcast Times	Frequency ID	Contents of Broadcast
0703, 1333, 2103	A	Weather bulletins.

Marine Rescue Co-ordination Centre: Puerto Sauce (PREFECTURA) **Call Sign:**

METAREA: V
Area Covered: -

Region: WMO REGION: III
Position: 34°26'S 57°26'W
Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 15			

Broadcast Times	Frequency ID	Contents of Broadcast
0133, 1303, 1933	**A**	Weather bulletins.

Marine Rescue Co-ordination Centre: Puerto Sauce (PREFECTURA) **Call Sign:**

METAREA: V
Area Covered: -

Region: WMO REGION: III
Position: 34°26'S 57°26'W
Radio Address:

Maritime Radio Station: Punta Carretas

Call Sign:

Region: WMO REGION: III
Position: 34°48'S 56°21'W
Radio Address:

METAREA: V
Area Covered:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	**A**	2 768.5			
RT (HF)	**B**	22 636.3			
RT (HF)	**B**	17 260.8			
RT (HF)	**B**	13 128.7			
RT (HF)	**B**	8 291.1			
RT (HF)	**B**	6 518.8			
RT (HF)	**B**	4 357.4			

Broadcast Times	Frequency ID	Contents of Broadcast
0003, 1403, 2103	**A, B**	Weather bulletins for all areas in Spanish and English. Navigational warnings: For Uruguayan coastal waters, Río de la Plata and Río Uruguay. In Spanish only.

Marine Rescue Co-ordination Centre: Punta del Este (PREFECTURA)

Call Sign:

Region: WMO REGION: III
Position: 34°58'S 54°51'W
Radio Address:

METAREA: V
Area Covered: -

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	**A**	Ch 15			
RT (MF)	**B**	2 722.1 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0133, 1503, 2133	**A§**	Weather bulletins.

Marine Rescue Co-ordination Centre: Rio Branco (PREFECTURA)

Call Sign:

Region: WMO REGION: III
Position: 32°34'S 53°23'W
Radio Address:

METAREA: V
Area Covered: -

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 15			
RT (MF)	B	2 722.1 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0933, 1703, 2333	A	Weather bulletins.

Marine Rescue Co-ordination Centre: Salto (PREFECTURA)

Call Sign:

Region: WMO REGION: III
Position: 31°23'S 57°59'W
Radio Address:

METAREA: V
Area Covered: -

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
VHF	A	Ch 15			

Broadcast Times	Frequency ID	Contents of Broadcast
0505, 1105, 1705, 2305	A	Weather bulletins.

Marine Rescue Co-ordination Centre: Sodre

Call Sign: CX 6

METAREA: V

Area Covered: -

Region: WMO REGION: III

Position: 34°49'S 56°22'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
	A	650			

Broadcast Times	Frequency ID	Contents of Broadcast
1200	A	Weather bulletins.

Marine Rescue Co-ordination Centre: Trouville (PREFECTURA)

Call Sign:

METAREA: V

Area Covered: -

Region: WMO REGION: III

Position: 34°52'S 56°18'W

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (MF)	A	2 722.1 kHz			
RT (HF)	B	4 146 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0103, 1103, 1903	A	Weather bulletins. Navigational warnings in Spanish for Uruguayan coastal waters, Rio de la Plata, Rio Uruguay.
0103, 0503, 1903	B	Weather bulletins. In Spanish. Navigational warnings: For Uruguayan coastal waters, Rio de la Plata, Rio Uruguay. In Spanish.

Maritime Radio Station: Port-Vila

Call Sign:

Region: WMO REGION: V

METAREA: XIV

Position: 17°44'S 168°18'E

Area Covered:

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	**A**	4 385.3 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
1030, 1930 LT	**A**	Gale warnings, forecast for local waters. In French, English, Bislama.
On receipt after announcement on 4125 and 6215.5 kHz	**A**	Storm warnings repeated during the period of validity.

Maritime Radio Station: Da Nang

Call Sign: XVT

Watch kept for less than 30 minutes (station with limited hours of operation)

METAREA: XI

Area Covered:

Region: WMO REGION: II
Position: 16°04'N 108°12E
Radio Address: METEO Danang

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	A	8 294 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0030, 1230	A	Weather bulletins - in Vietnamese.

Navtex Station: Da Nang

Call Sign: XVT

Watch kept for less than 30 minutes (station with limited hours of operation)

METAREA: XI

Area Covered:

Region: WMO REGION: II
Position: 16°04'N 108°12E
Radio Address: METEO Danang

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[K]	518 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0540, 0940, 1740, 2140	[K]	In English.
0140, 1340	[K]	In English.

Maritime Radio Station: Hai Phong

Call Sign: XVG

Station keeping a watch for at least 30 minutes: beginning at 00, 06, 12, 18 UTC daily. A watch is also kept for at least 30 minutes at the beginning of the nearest "single operator period following the standard synoptic hours

Region: WMO REGION: II

METAREA: XI

Position: 20°51'N 106°42'E

Area Covered:

Radio Address: METEO Haiphong

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	A	8 294 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0100, 1300	A	Weather bulletins in Vietnamese.
Every odd H+00	A	Storm warnings in Vietnamese.

Maritime Radio Station: Ho Chi Minh Ville

Call Sign: XVS

Station keeping a watch for at least 30 minutes: beginning at 00, 06, 12, 18 UTC daily. A watch is also kept for at least 30 minutes at the beginning of the nearest "single operator period following the standard synoptic hours

Region: WMO REGION: II

METAREA: XI

Position: 10°23'N 107°09'E

Area Covered:

Radio Address: METEO Ho Chi Minh Ville

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
RT (HF)	A	8 294 kHz			

Broadcast Times	Frequency ID	Contents of Broadcast
0200, 1200	A	Weather bulletins in Vietnamese.
Every even H+00	A	Storm warnings in Vietnamese.

Navtex Station: Ho Chi Minh Ville

Call Sign:

Region: WMO REGION: II

METAREA: XI

Position: 10°23'N 107°09'E

Area Covered:

Radio Address:

Mode Of Transmission	ID	Frequency	Area / International Ch No.	Remote Transmittng Site - Position	Hours of Operation
MSI	[X]	518 kHz			

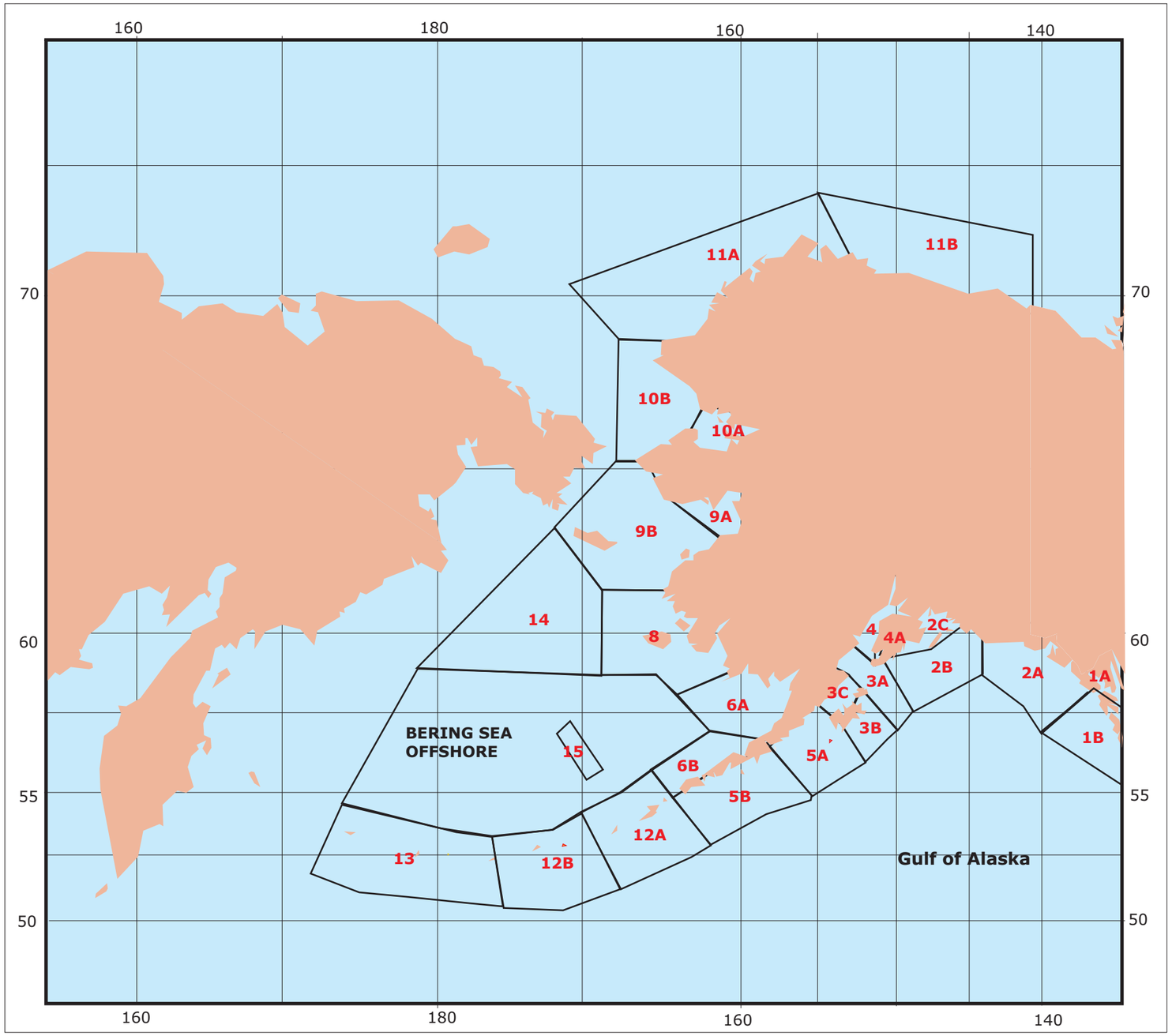
Broadcast Times	Frequency ID	Contents of Broadcast
0750, 1550, 1950, 2350	[X]	In English.
0350, 1150	[X]	In English.

NAVTEX STATIONS

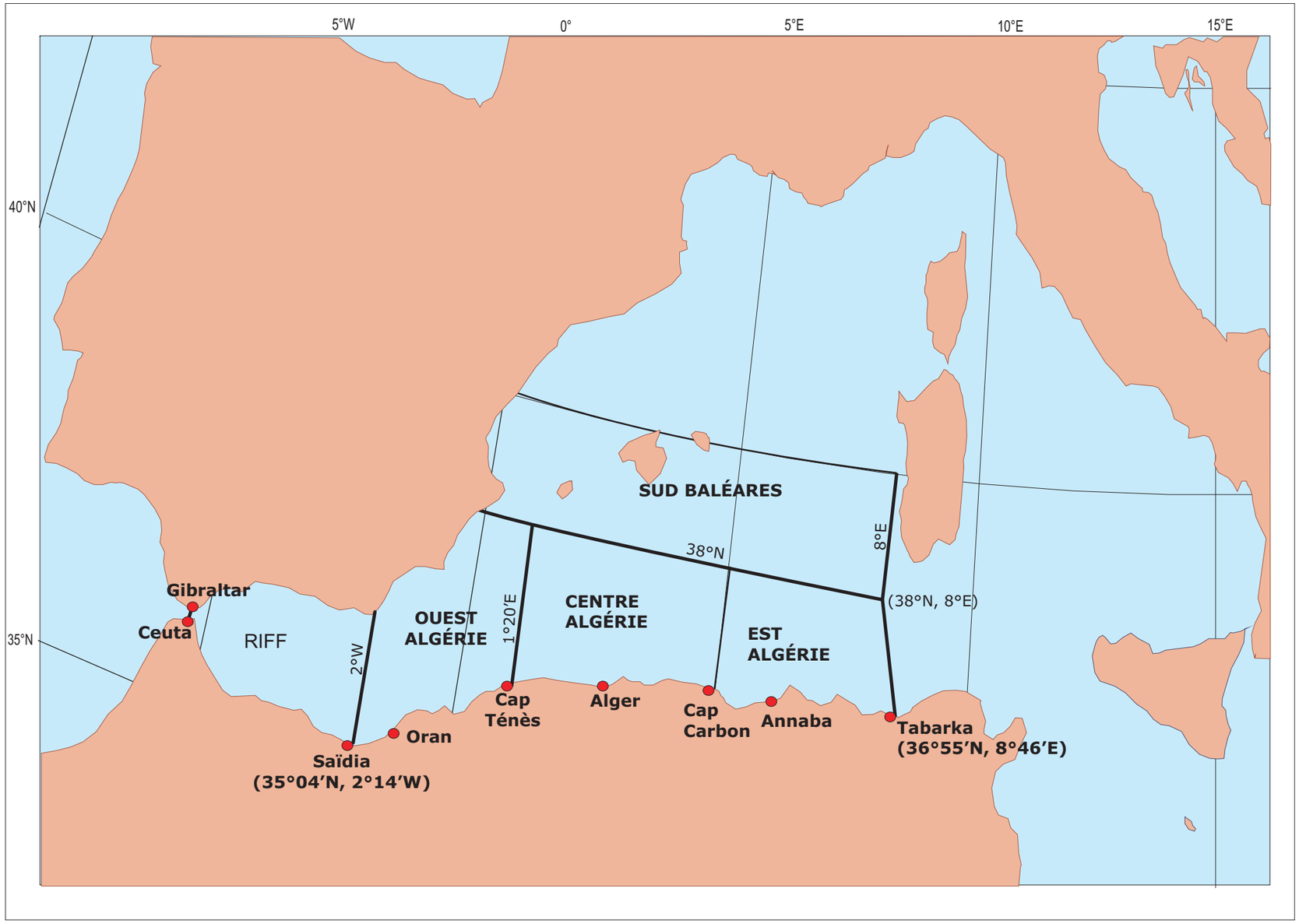
Alaska
(United States of America / États-Unis d'Amérique)
Weather Forecast Areas

INDEX TO MARINE COASTAL FORECAST AREAS FOR ALASKAN WATERS

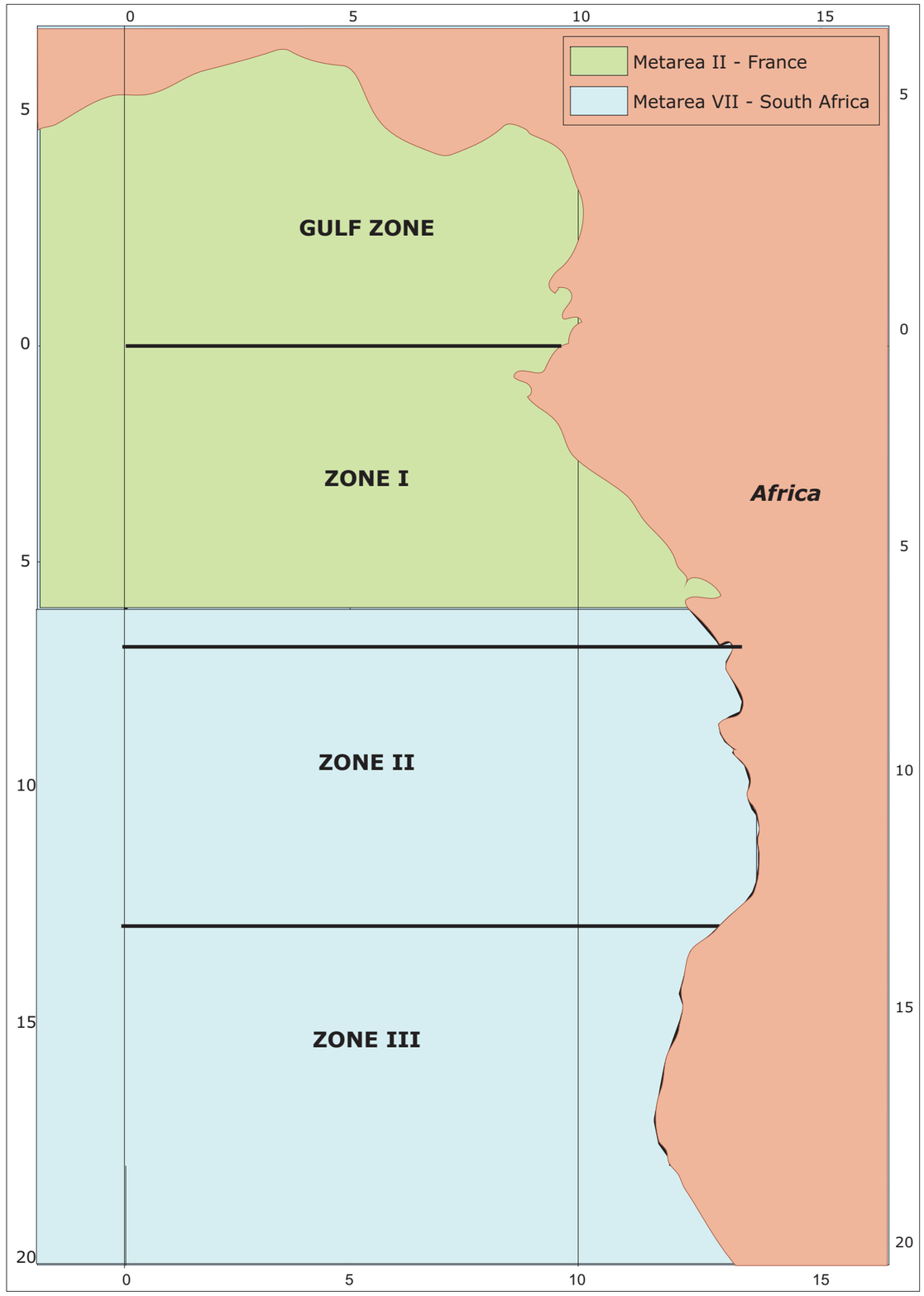
Area No. Area covered
1A South east Alaska, Inside Waters, Dixon Entrance to Skagway
1B South east Alaska, Outside Waters, Dixon Entrance to Cape Fairweather
2A North east Gulf Coast, Cape Fairweather to Cape Suckling
2B North Gulf Coast, Cape Suckling to Gore Point
2C Prince William Sound
3A Barren Island and Kamishak Bay Waters
3B Shuyak Island to Sitkinak
3C Shelikof Strait
4 Cook Inlet, North of Kamishak Bay and English Bay
4A Kachemak Bay
5A Coastal Waters south of the Alaska Peninsula, Sitkinak to Castle Cape
5B Castle Cape to Sarichef
6A Bristol Bay, north portion from Cape Newham to Port Heiden
6B Bristol Bay, south portion from Port Heiden to Cape Sarichef
8 Cape Newenham to Dall Point
9A Norton Sound, Sledge Island to Stuart Island
9B Dall Point to Wales, including S. Lawrence island waters
10A Kotzebue Sound (East of Cape Espenberg and Cape Krusenstern)
10B Wales to Cape Lisburne
11A Arctic Coast, Cape Lisburne to Lonely
11B Arctic Coast, Lonely to Demarcation Point
12A Eastern Aleutian Islands, Cape Sarichef to Nikolski
12B Eastern Aleutian Islands, Adak to Attu
13 Western Aleutian Islands, Adak to Attu
14 St. Matthew Island Waters
15 Pribilof Islands Near-shore Waters



Algeria - Algérie
Coastal Forecast Areas

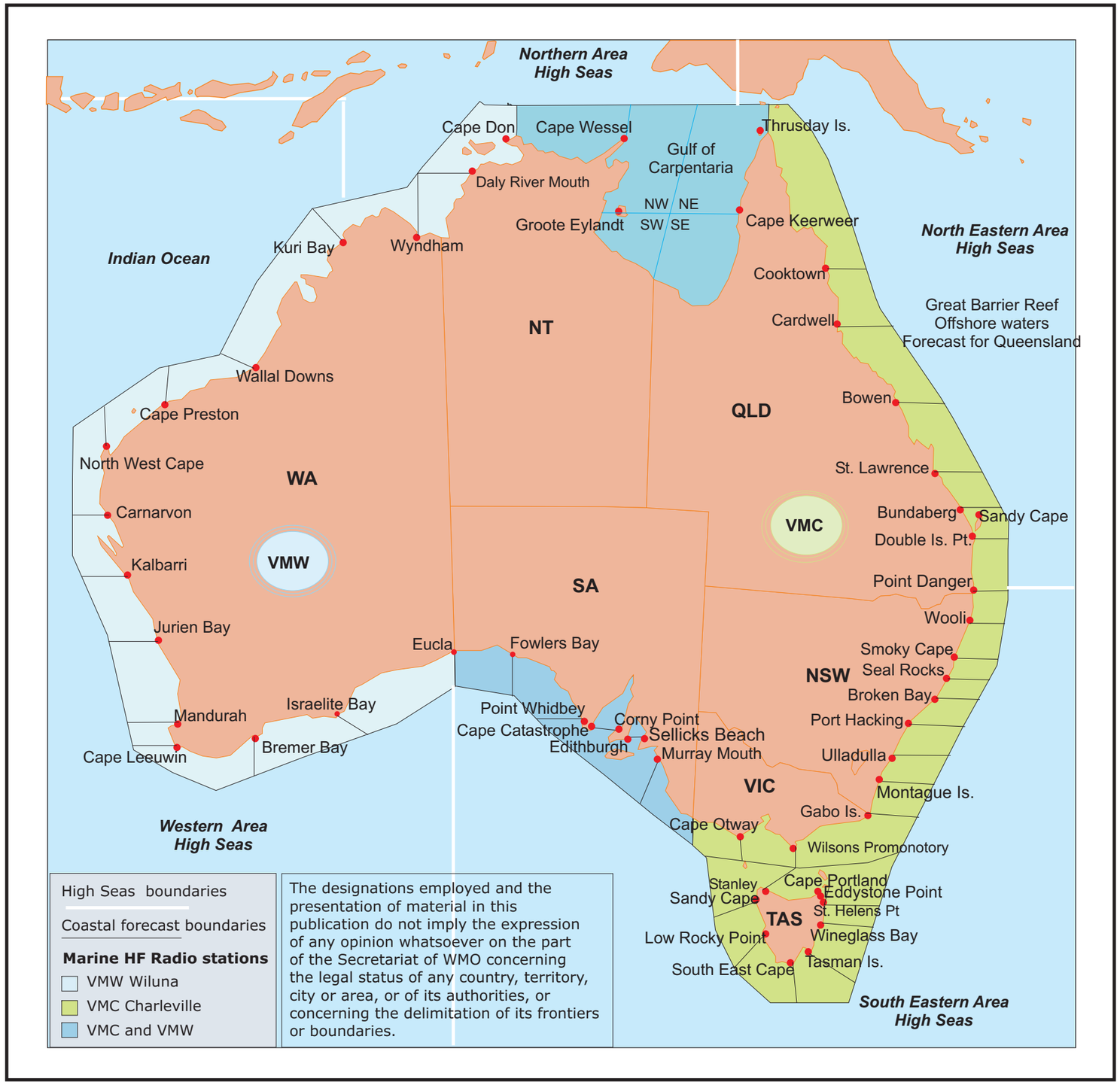


Angola
Coastal Forecast Areas



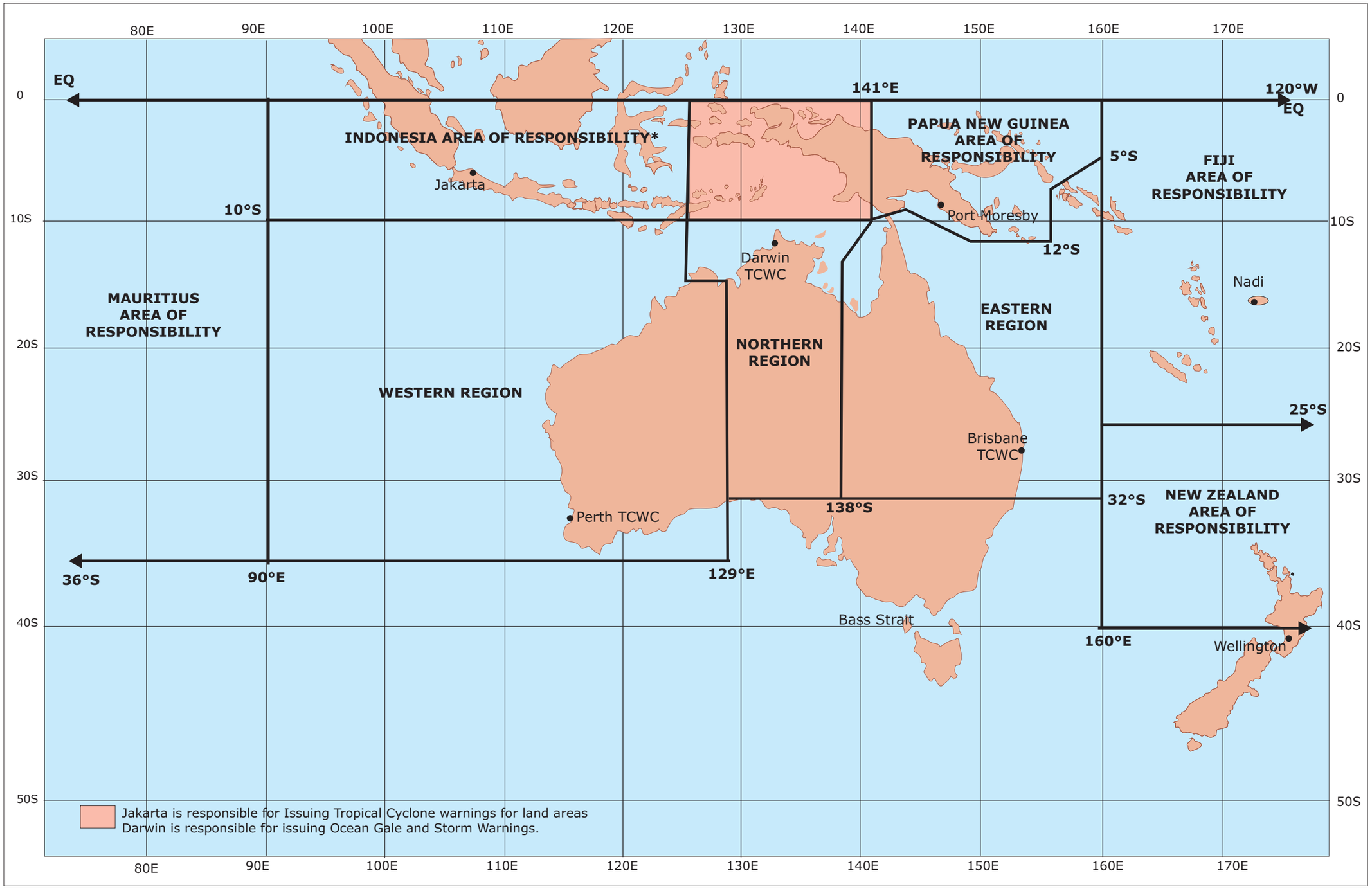
Australia - Australie
Marine Forecast Zones

30 May 2011



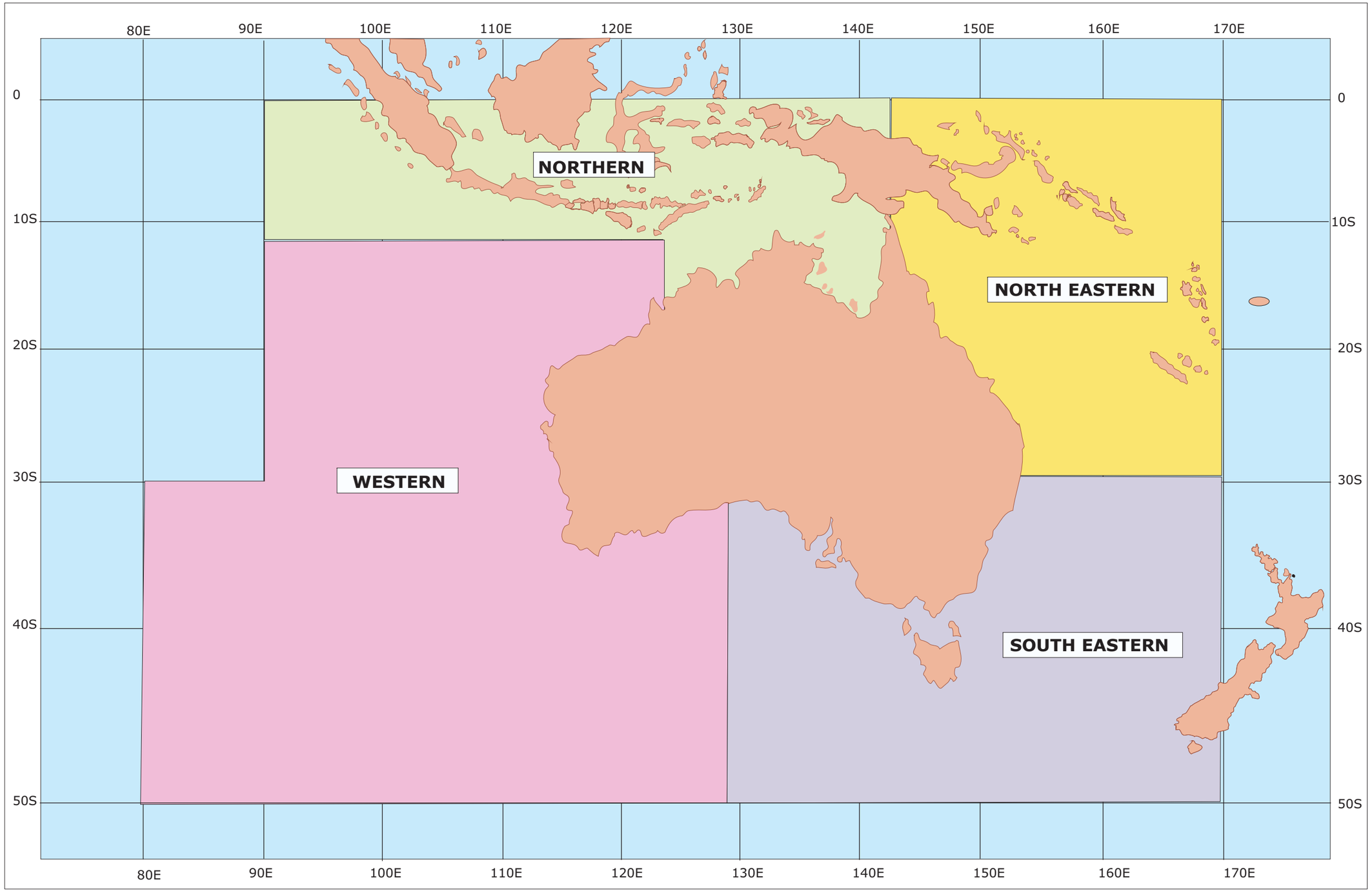
Australia - Australie
Tropical Cyclone Warning Areas

22 January 2008



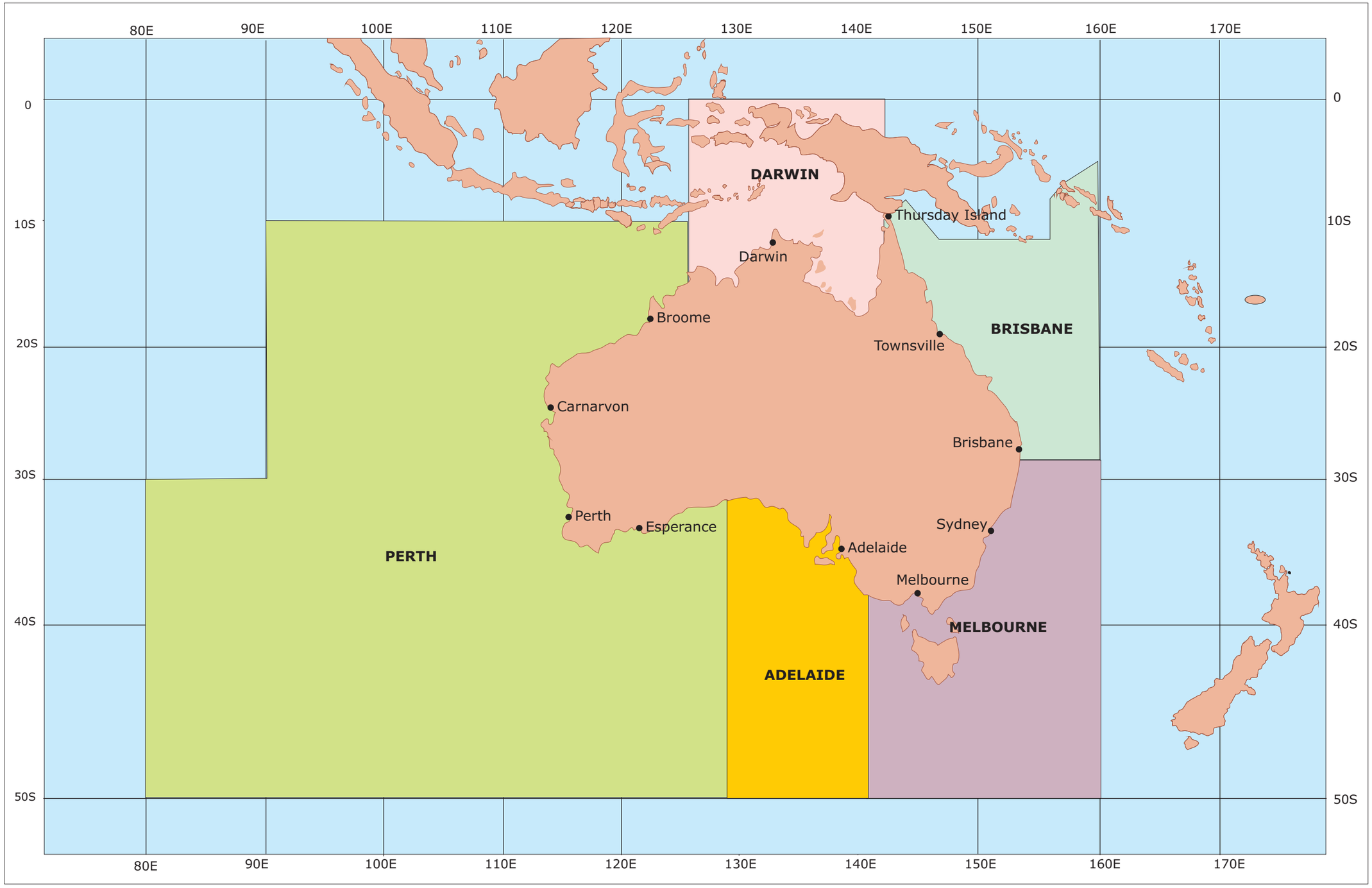
Australia - Australie
High Seas Forecast Areas

22 January 2008

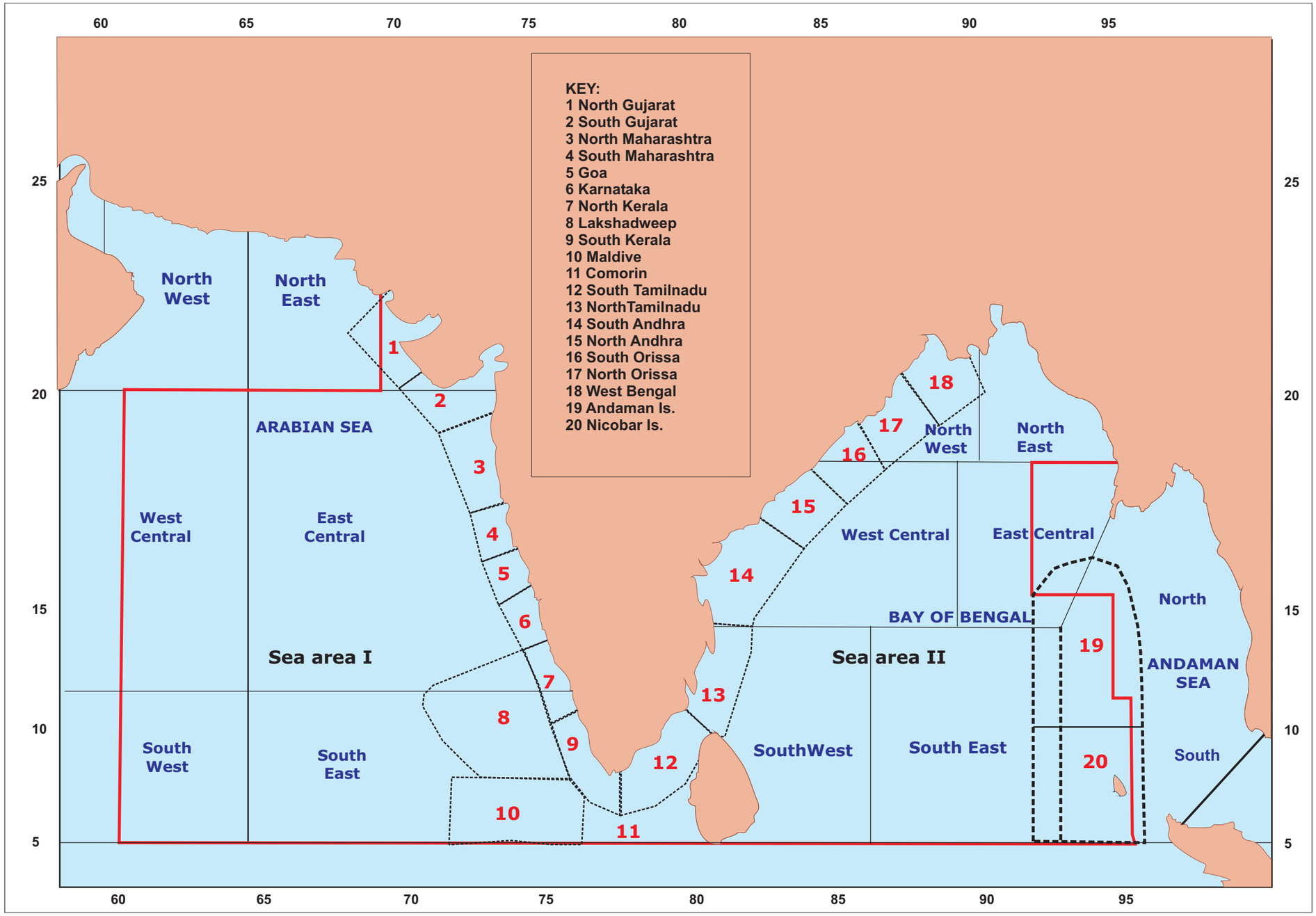


Australia - Australie
Ocean Wind Warning areas

30 August 2010

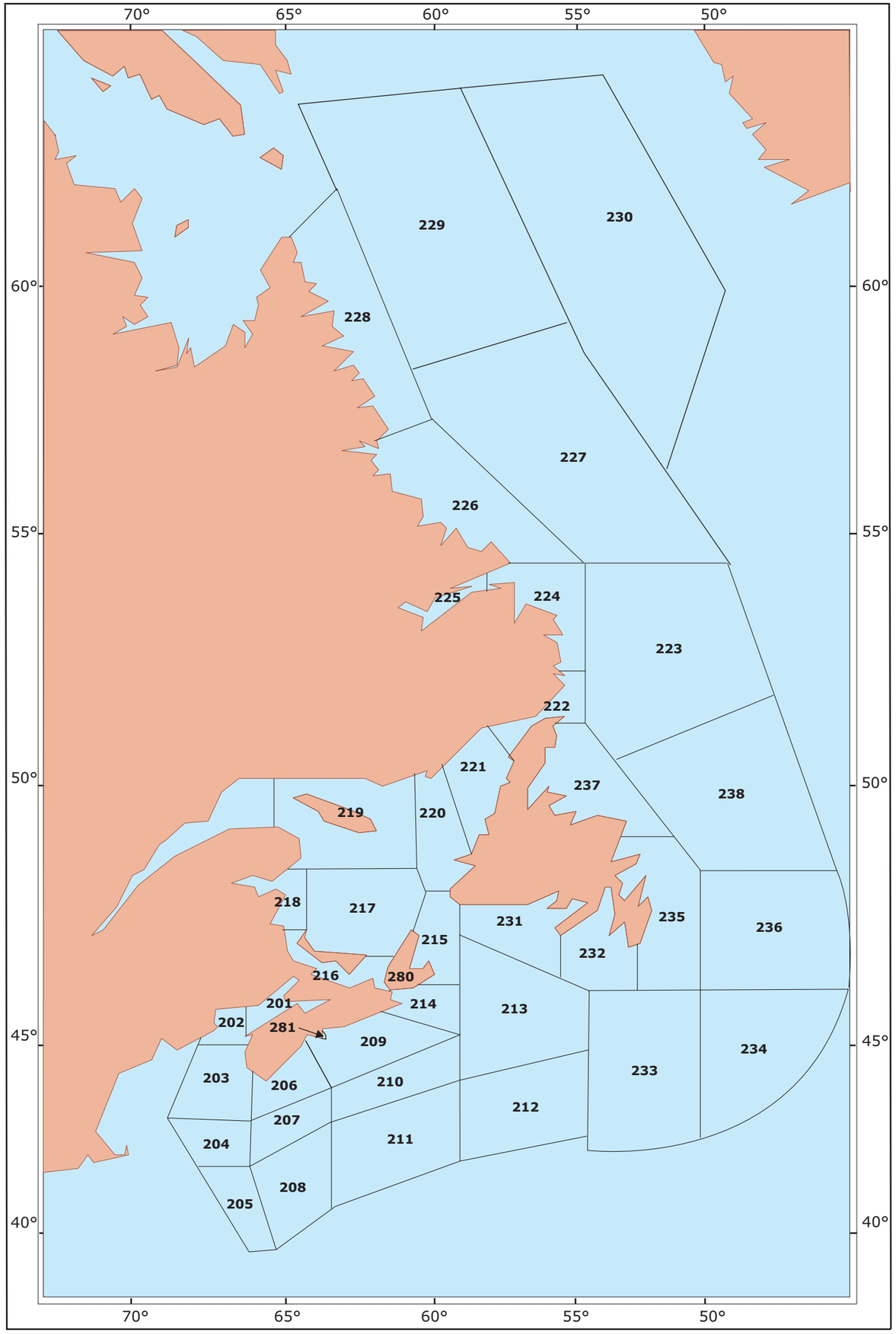


Bangladesh
Forecast Areas



Canada
ATLANTIC COAST FORECAST AREAS

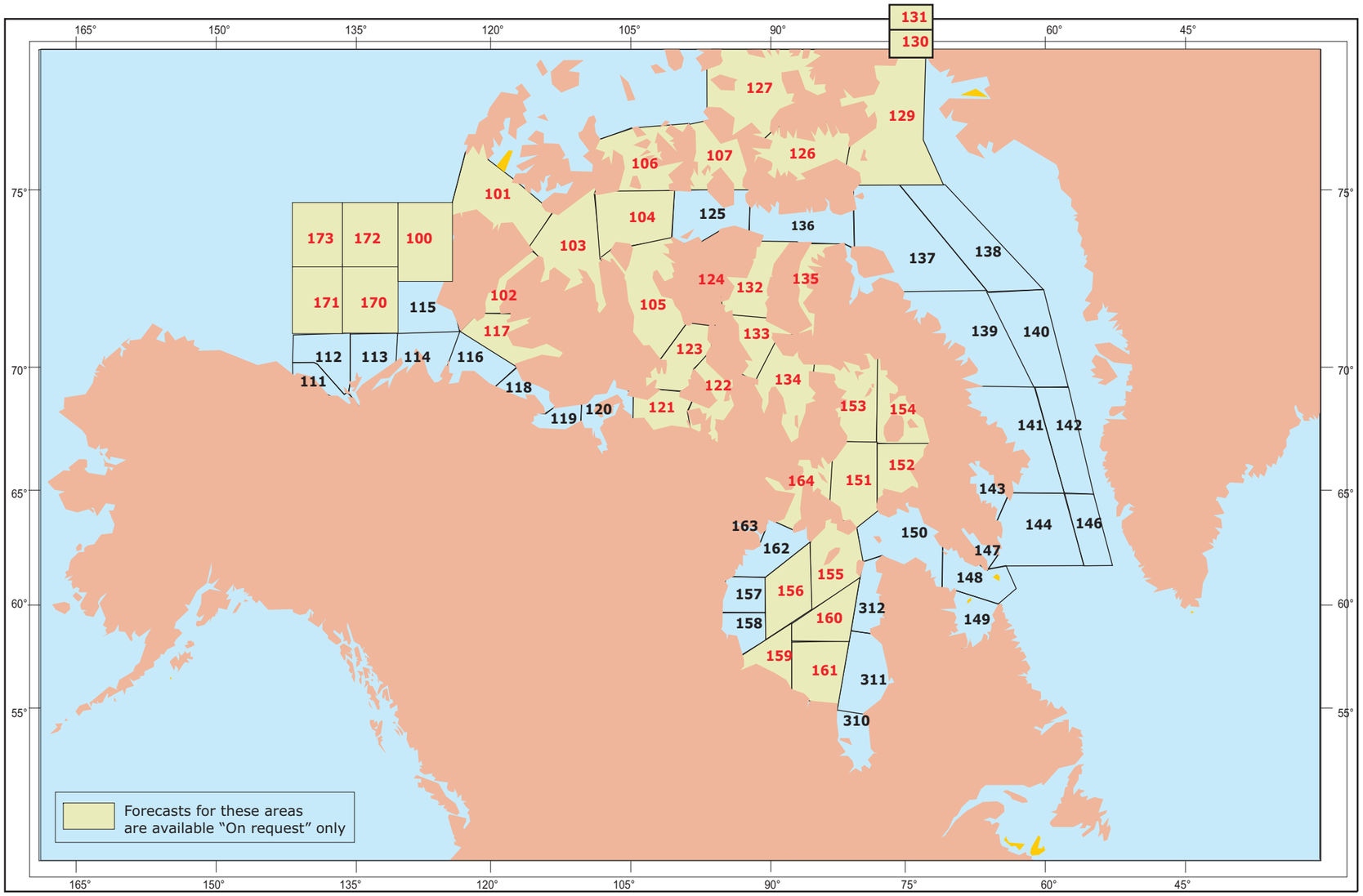
201 Fundy
202 Grand Manan
203 Lurcher
204 Brown's Bank
205 George's Bank
206 Southwestern Shore
207 LaHave Bank
208 West Scotian Slope
209 Eastern Shore
210 Sable
211 East Scotian Slope
212 Laurentian Fan
213 Banquereau
214 Laurentian Fan
215 Cabot Strait
216 Northumberland Strait
217 Gulf-Magdalen
218 Chaleur-Miscou
219 Anticosti
220 Gulf Port au Port
221 Northeast Gulf
222 Belle Isle
223 Belle Isle Bank
224 South Labrador Coast
225 Lake Melville
226 Mid Labrador Coast
227 South Labrador Sea
228 North Labrador Coast
229 Northwest Labrador Sea
230 East Labrador Sea
231 Southwest Coast
232 South Coast
233 Southwestern Grand Banks
234 Southeastern Grand Banks
235 East Coast
236 Northern Grand Banks
237 Northeast Coast
238 Funk Island Bank
280 Bras d'Or Lakes
281 Halifax Harbour & Appr.



Canada
Weather Forecast Areas (Northern coast)

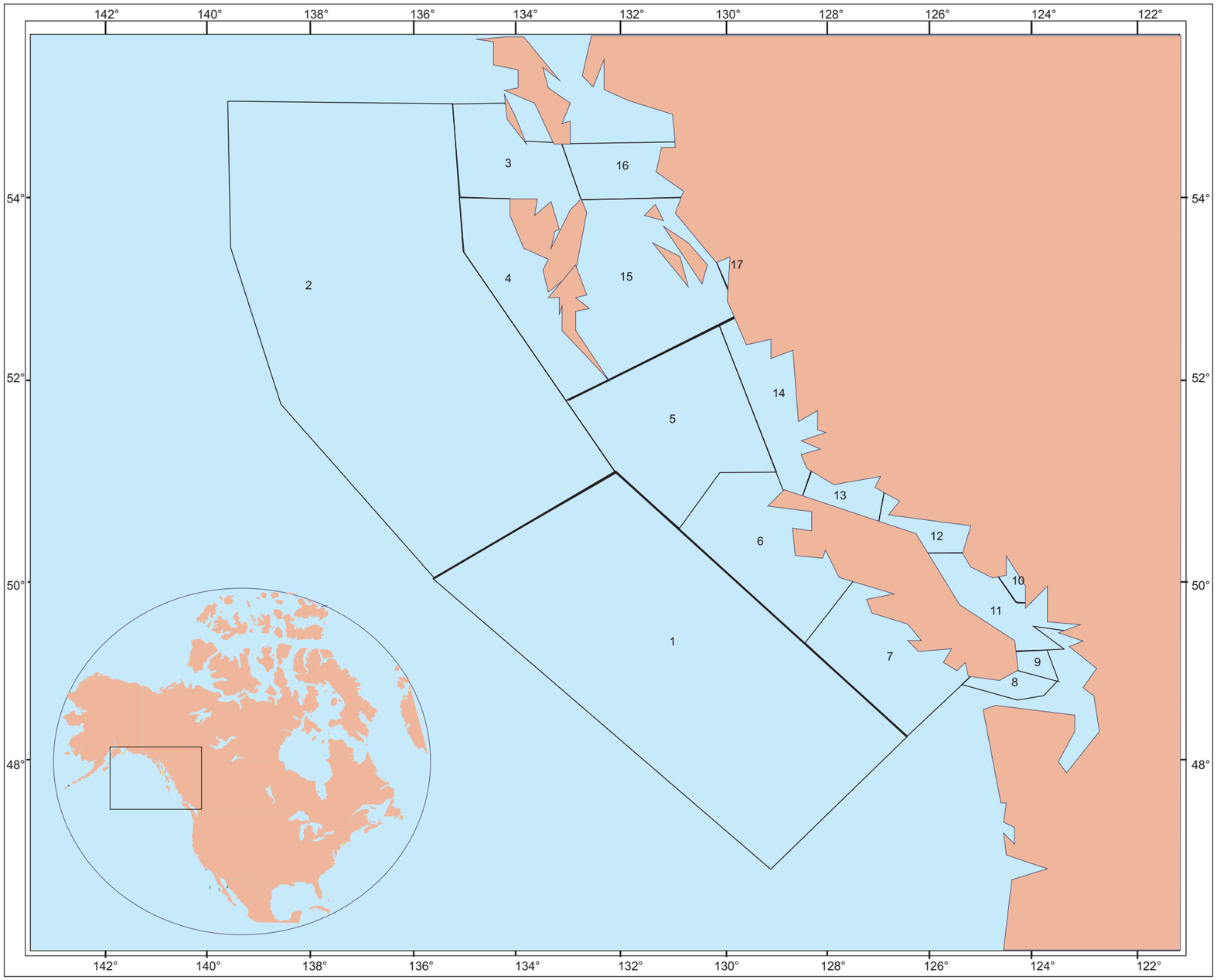
100 Prince Alfred
101 McClure
102 Prince of Wales
103 Melville
104 Rae
105 McClintock
106 Byarn
107 Queens
111 Yukon Coast
112 Mackenzie
113 Tuktoyaktuk
114 Baillie
115 Banks
116 Amundsen
117 Holman
118 Dolphin
119 Coronation
120 Dease
121 Maud
122 St. Roch
123 Larson
124 Peel
125 Barrow
126 Jones
127 Norwegian Bay
128 Eureka
129 Clarence
130 Kane
131 Robeson
132 Regent
133 Boothia
134 Committee
135 Admiralty

136 Lancaster
137 Baffin West
138 Baffin East
139 Clyde West
140 Clyde East
141 Davis West
142 Davis East
143 Cumberland
144 Brevoort West
145 Brevoort Central
146 Iqaluit (Frobisher)
147 Resolution
148 Ungava
149 Nottingham
150 Foxe West
151 Foxe East
152 Igloolik
153 Prince Charles
154 Coats
155 Central
156 Arviat
157 Churchill
158 York
159 South Hudson Bay
160 Hudson
161 South Hudson
162 Rankin
163 Baker
164 Roes Welcome
310 James Bay
311 Belcher
312 Povungnituk

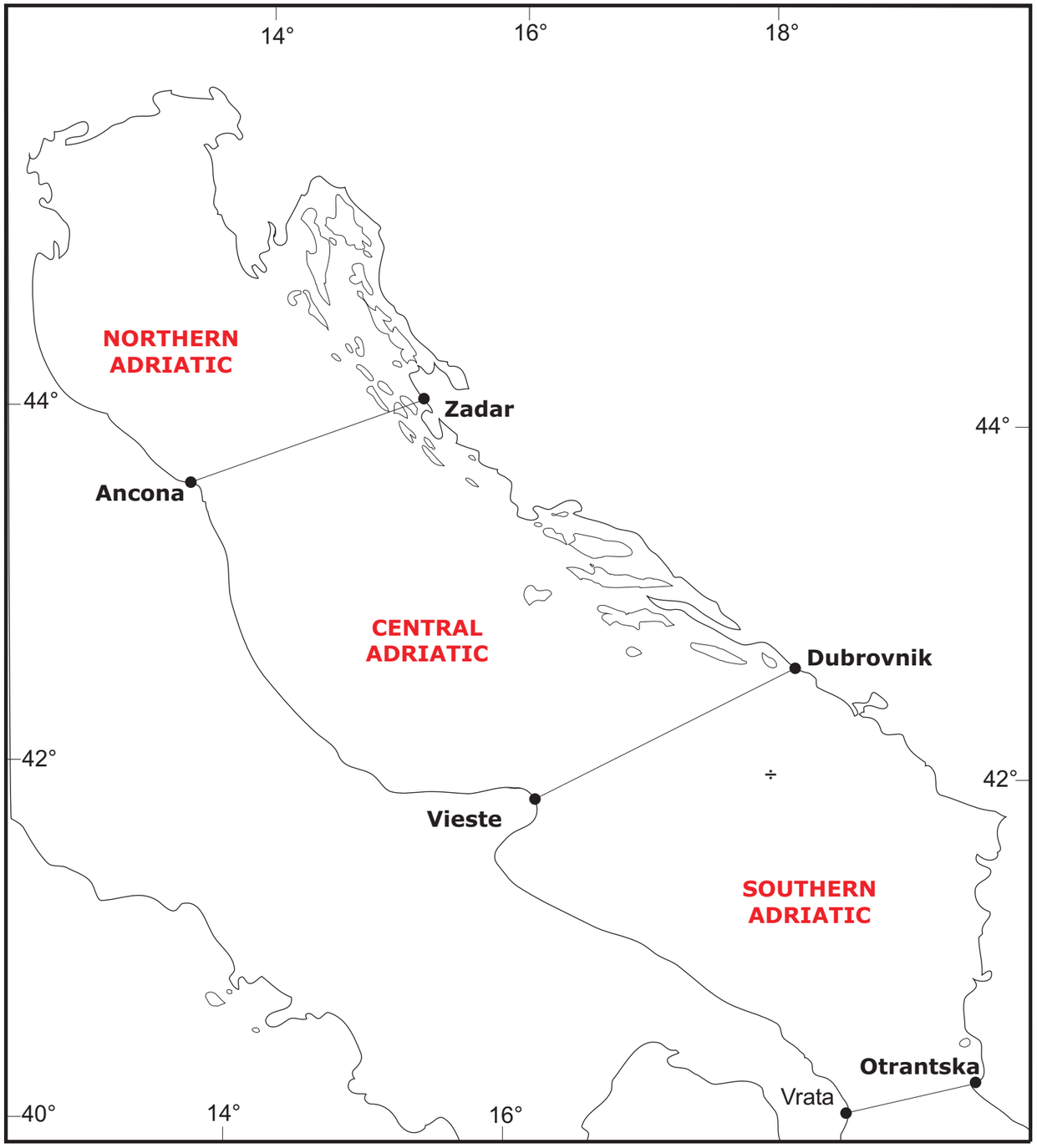


Canada
Weather Forecast Areas (Pacific coast):

1 Explorer
2 Bowie
3 Dixon Entrance (West)
4 West Coast Charlottes
5 Queen Charlotte Sound
6 West Coast Vancouver Island (North)
7 West Coast Vancouver Island (South)
8 Juan de Fuca Strait
9 Haro Strait
10 Howe Sound
11 Strait of Georgia
12 Johnson Strait
13 Queen Charlotte Strait
14 Central Coast
15 Hecate Strait
16 Dixon Entrance (East)
17 Douglas Channel

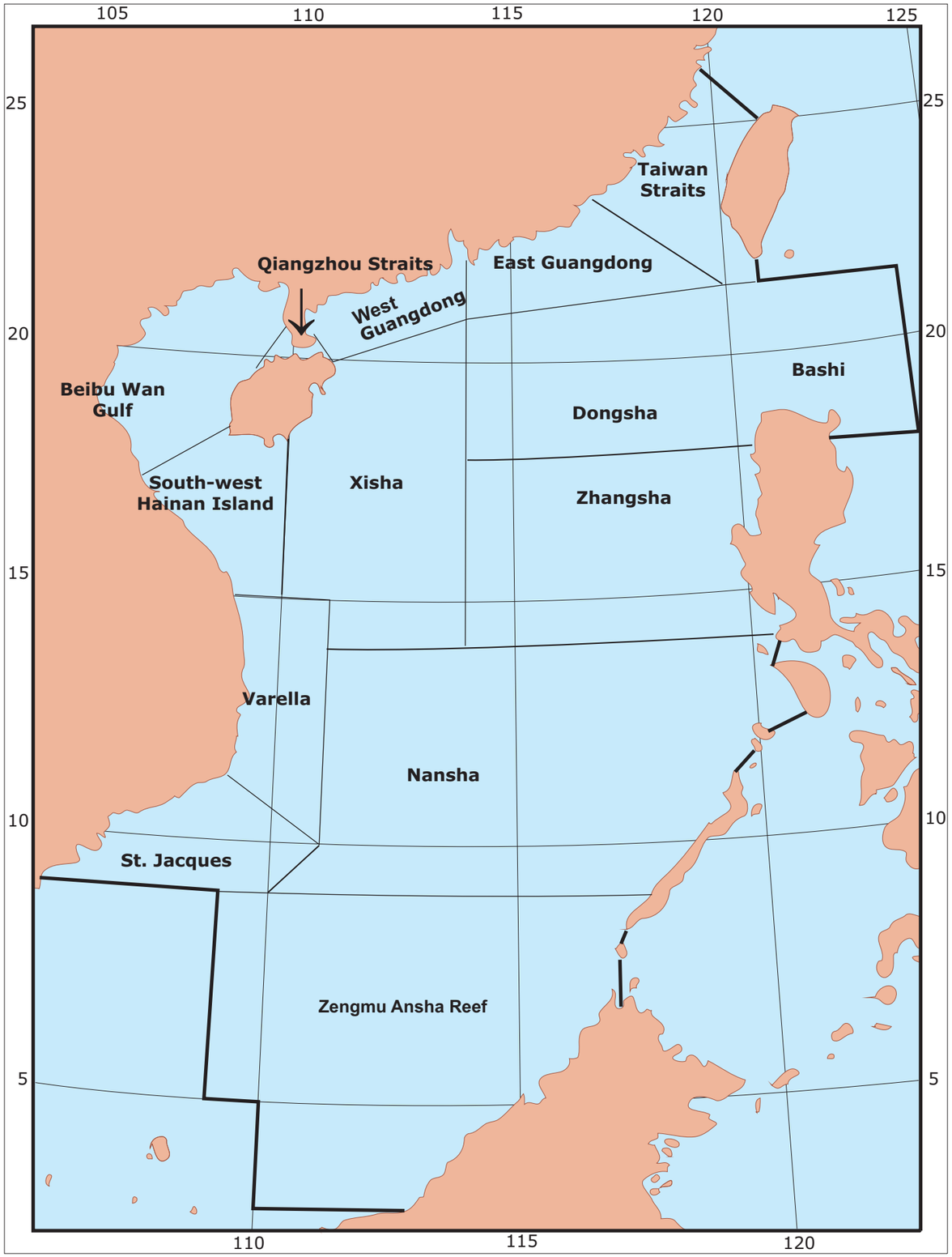


Croatia - Croatie
Weather Forecast Areas



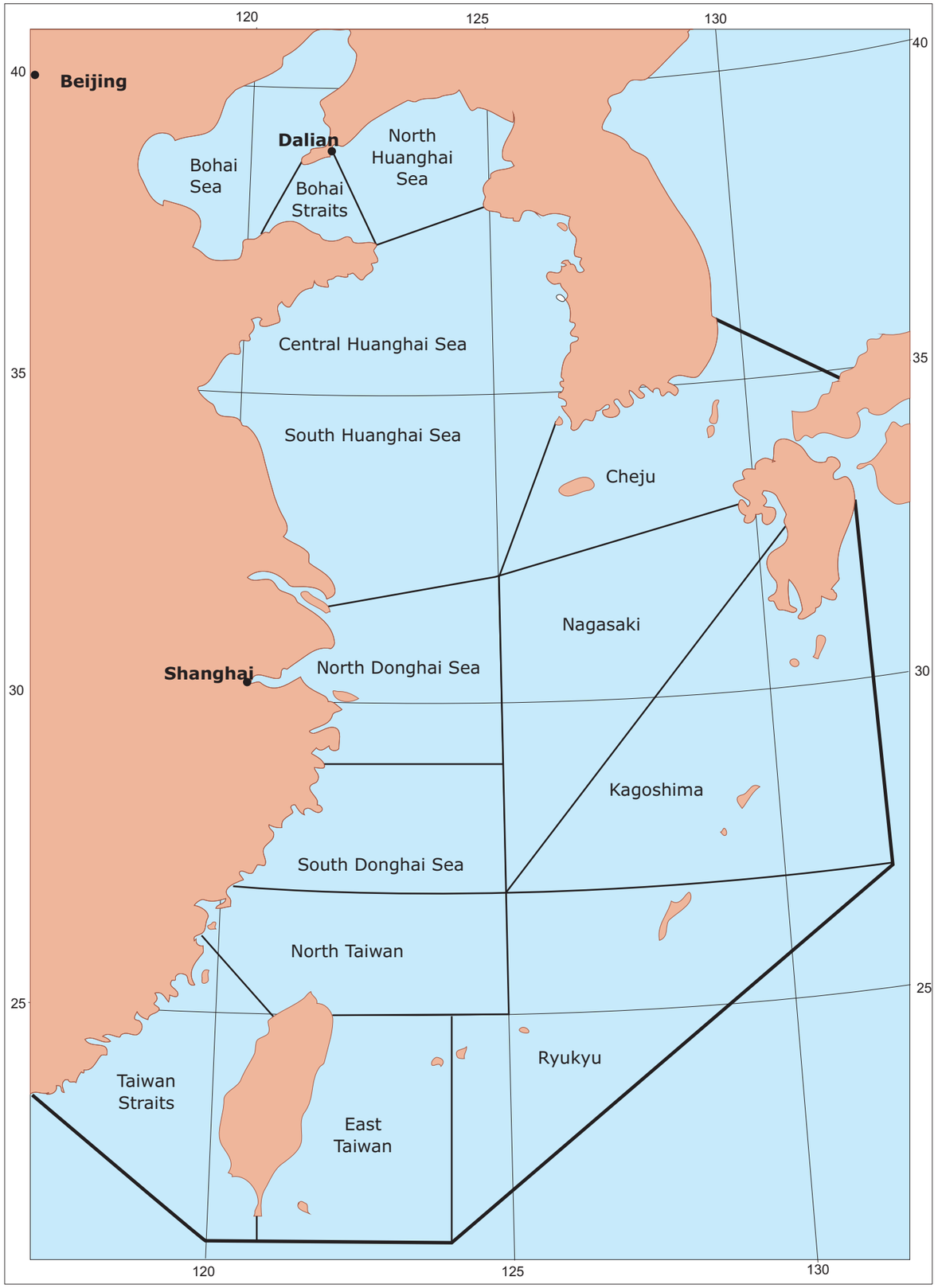
China- Chine
South China Sea

Weather Forecast Areas

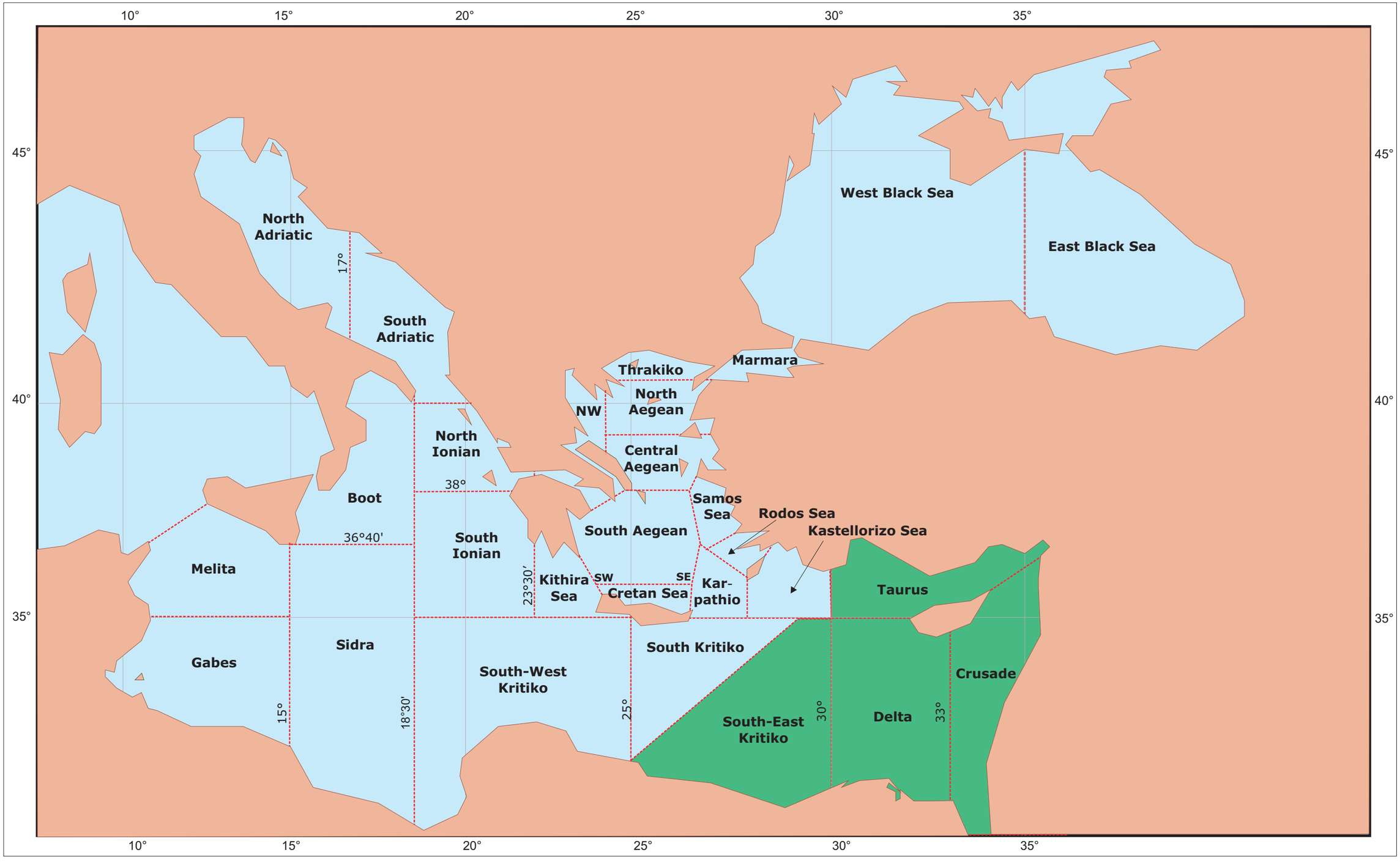


China- Chine
Yellow Sea and East China Sea

Weather Forecast Areas



Cyprus - Chypre
Weather Forecast Areas
NAVTEX areas
12 April 2011



Denmark - Danemark
Areas for Ice Reports and Codes

Fairway Sections and aras for ice reports (AA-HH):

AA:
1 Sea area N of Hammeren
2 Fairway to Rønne
3 Sea area between Rønne and Falsterbo
4 Sea area off Falsterbo
5 Fairway through Drogden
6 Fairway to København

BB:
1 Sea area W of Ven
2 Sea area E of Ven
3 Sea area off Helsingør
4 Sea area off Nakkehaved
5 Sea area S of Hesselø
6 Fairway to Isefjorden - Kyndby Vaerket

CC:
1 Sea area off Møn lighthouse, Route T
2 Sea area S of Gedser, Route T
3 Sea area S of Rødby harbour, Route T
4 Sea area SE of Keldsnor, Route T
5 Sea area off Sprodbjerg, Route T
6 Sea area W of Omø, Route T

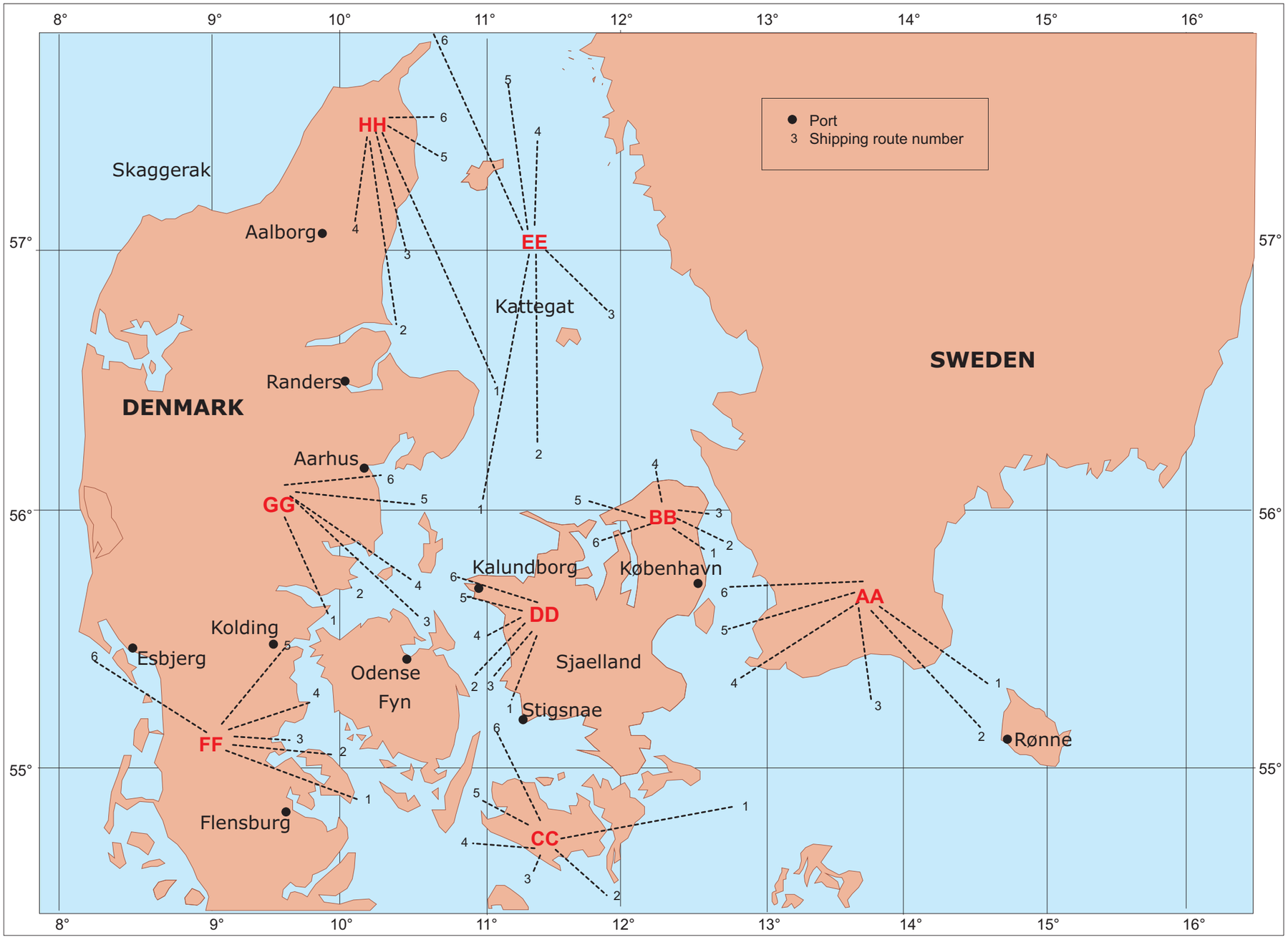
DD:
1 Agersøsund - Stigsmaes
2 Storebaelt channel, western part
3 Storebaelt, eastern part, Route T
4 Sea area E of Romsø, Route T
5 Fairway to Kalundborg - oil harbour
6 Sea area W of Røsnaes, Route T

EE :
1 Sea area W of Sjaellands Rev, Route T
2 Sea area W of Hesselø, Route T
3 Sea area E of Anholt, Route T
4 Sea area W of Fladen lighthouse, Route T
5 Sea area NW of Kummelbanke, Route T
6 Sea area N of Skagen, Route T

FF:
1 Southern entrance to Lillebaelt, Skjoldnaes
2 Sea area off Helnaes
3 Fairway to Åbenrå - Enstedvaerket
4 Sea area off Assens
5 Kolding Yderfjord to the Bridges
6 Fairway to Esbjerg

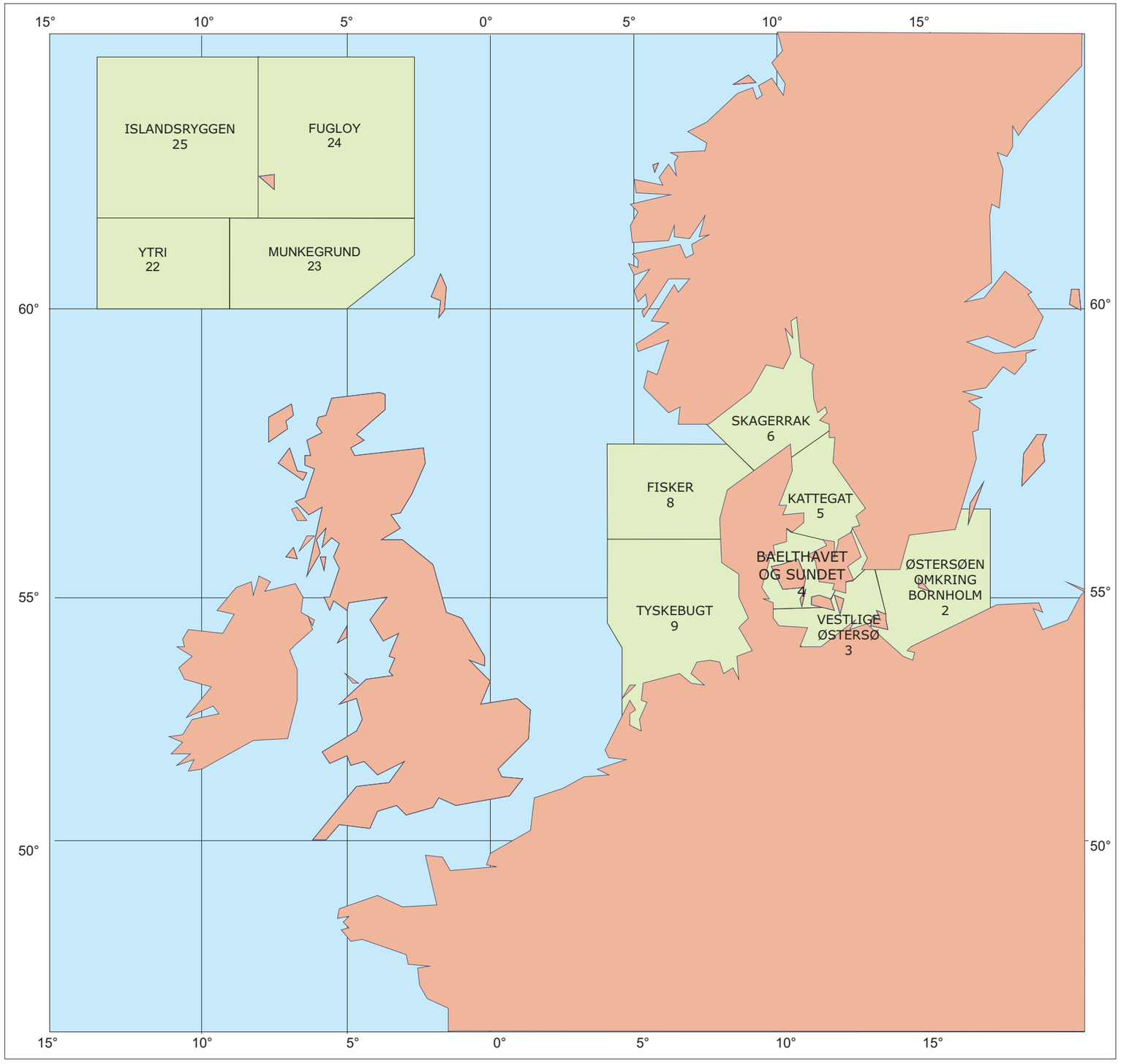
GG:
1 Fairway at Fredericia to the Bridges
2 Sea area N of Aebelø
3 Fairway to Odense
4 Sea area at Vesborg lighthouse
5 Sea area S of Sletterhage
6 Fairway to Århus

HH:
1 Sea area off Fornaes
2 Fairway to Randers
3 Entrance at Hals Barre
4 Fairway to Aalborg
5 Sea area NW of Laesø
6 Sea area off Hirsholmene

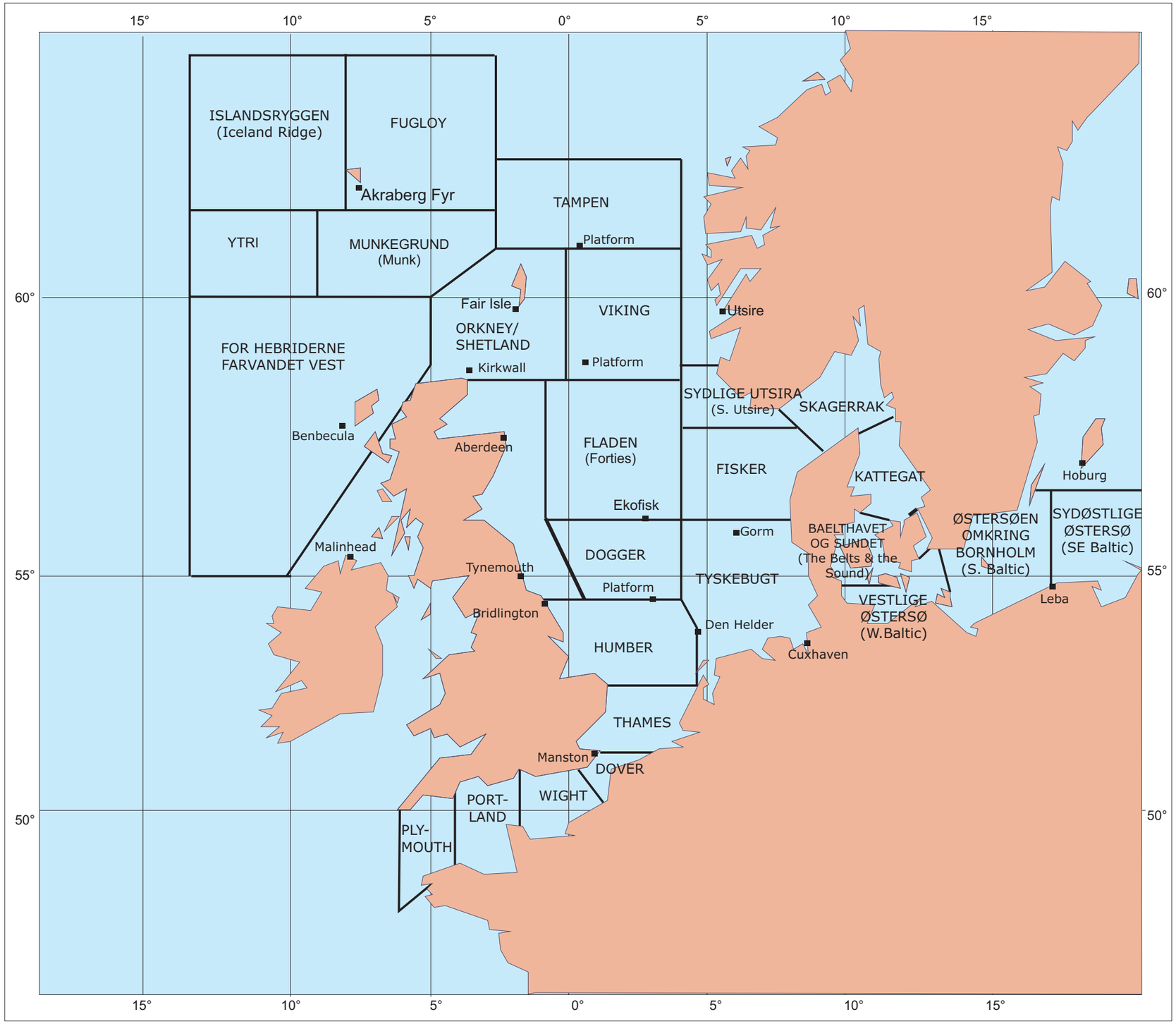


Denmark - Danemark

12 January 2009

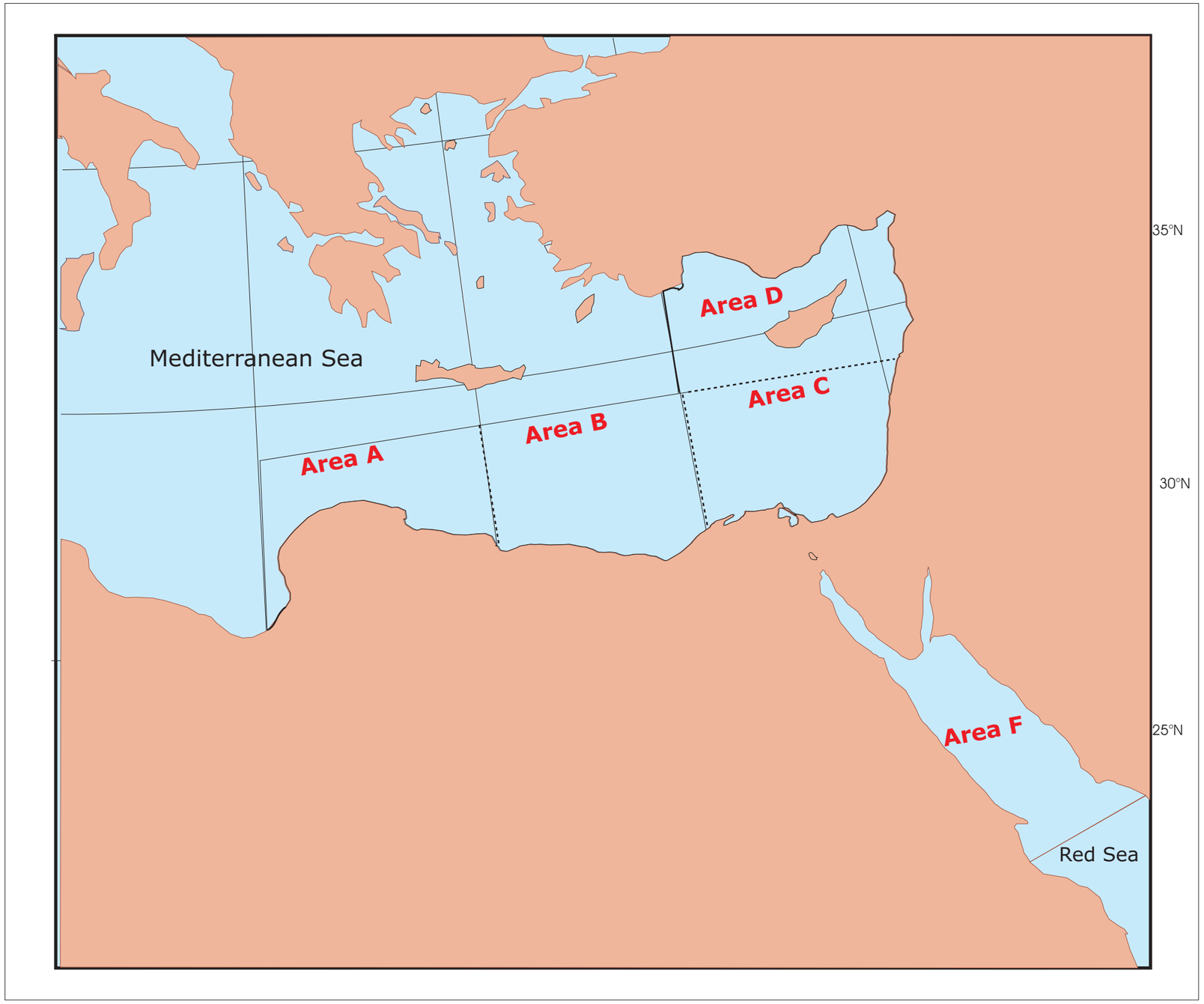


Denmark - Danemark

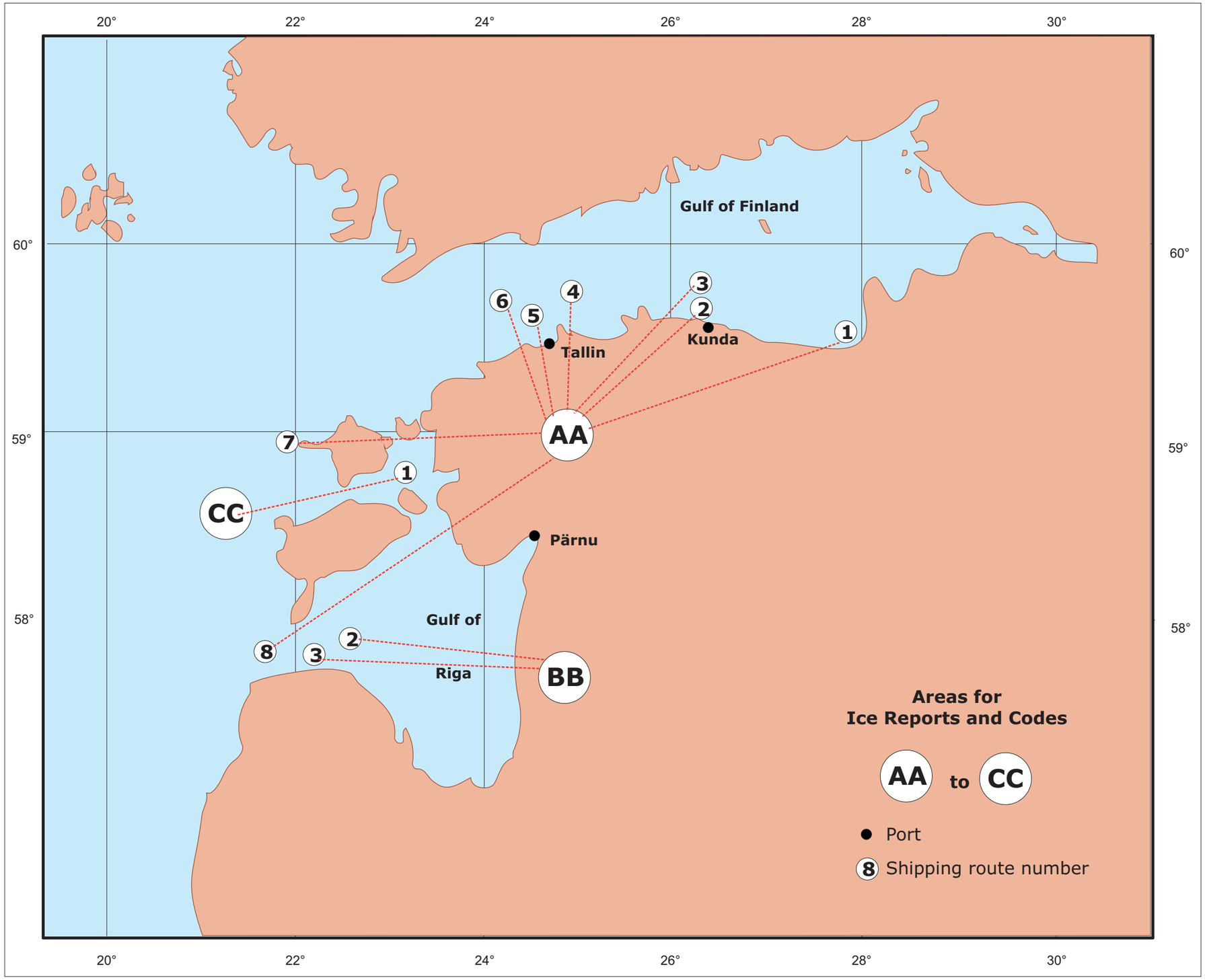


Djibouti
Coastal Forecast Areas

Egypt - Égypte
Coastal Forecast Areas

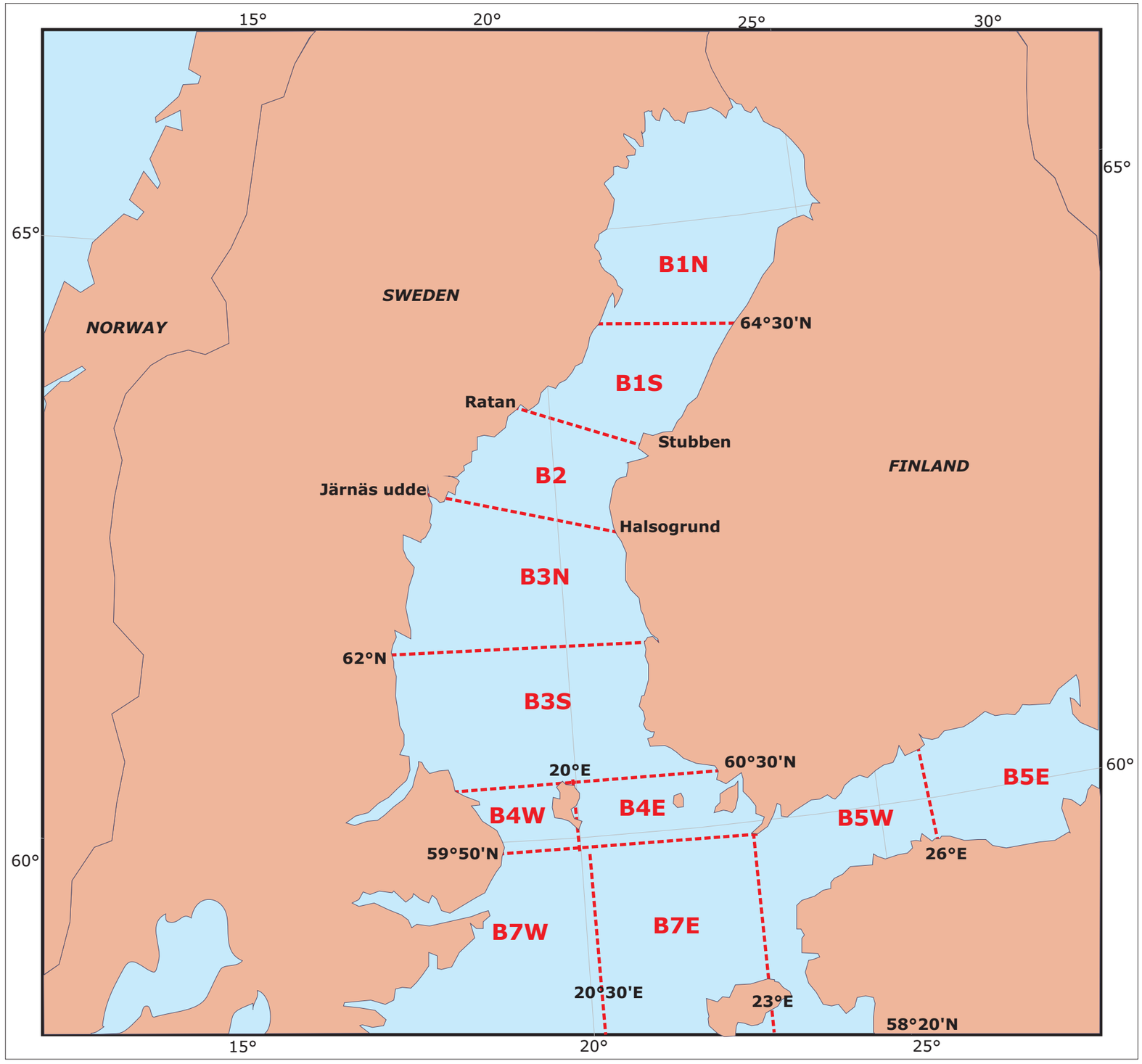


Estonia - Estonie

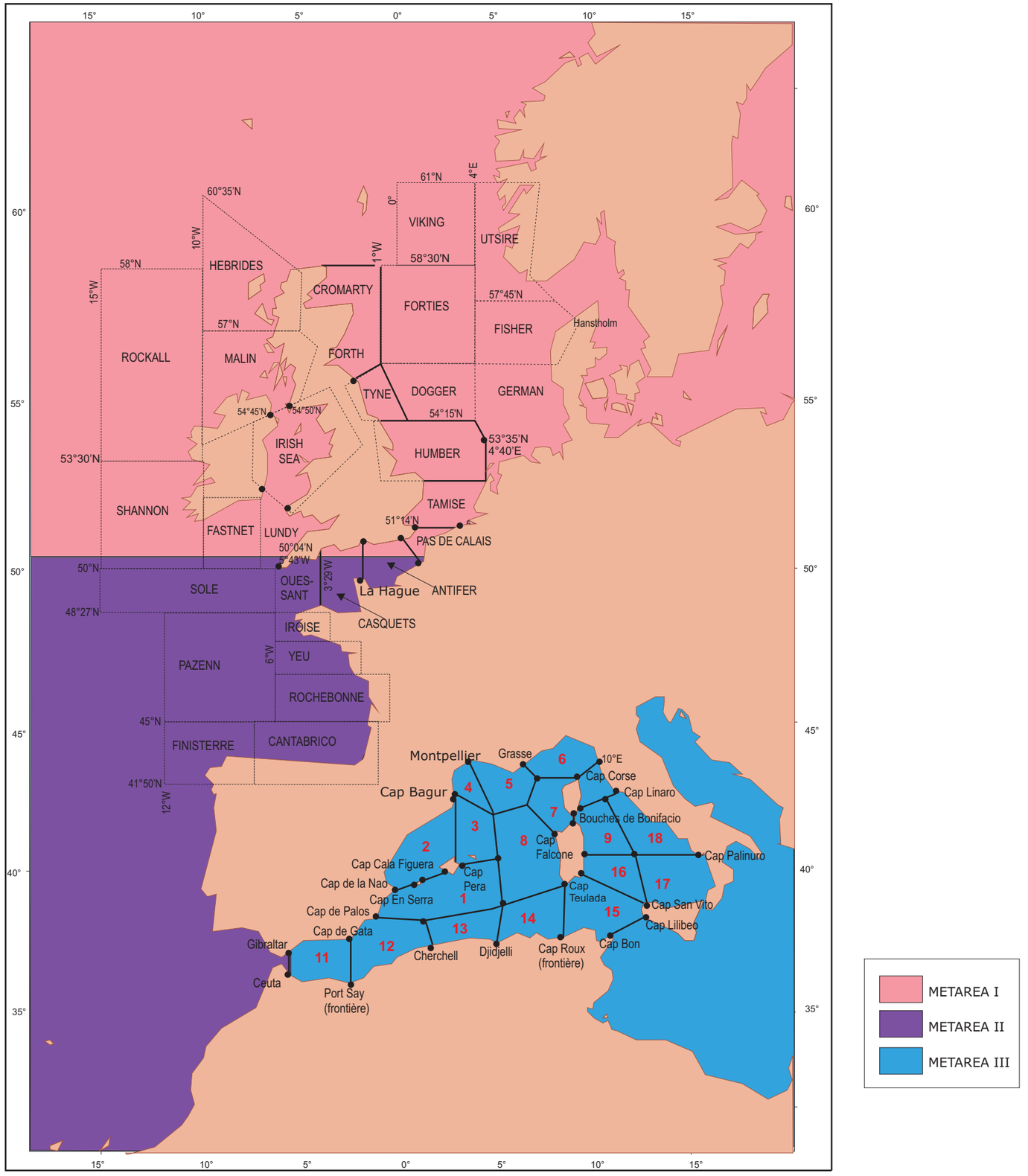


Finland - Finlande
Weather Forecast Areas
10 May 2011

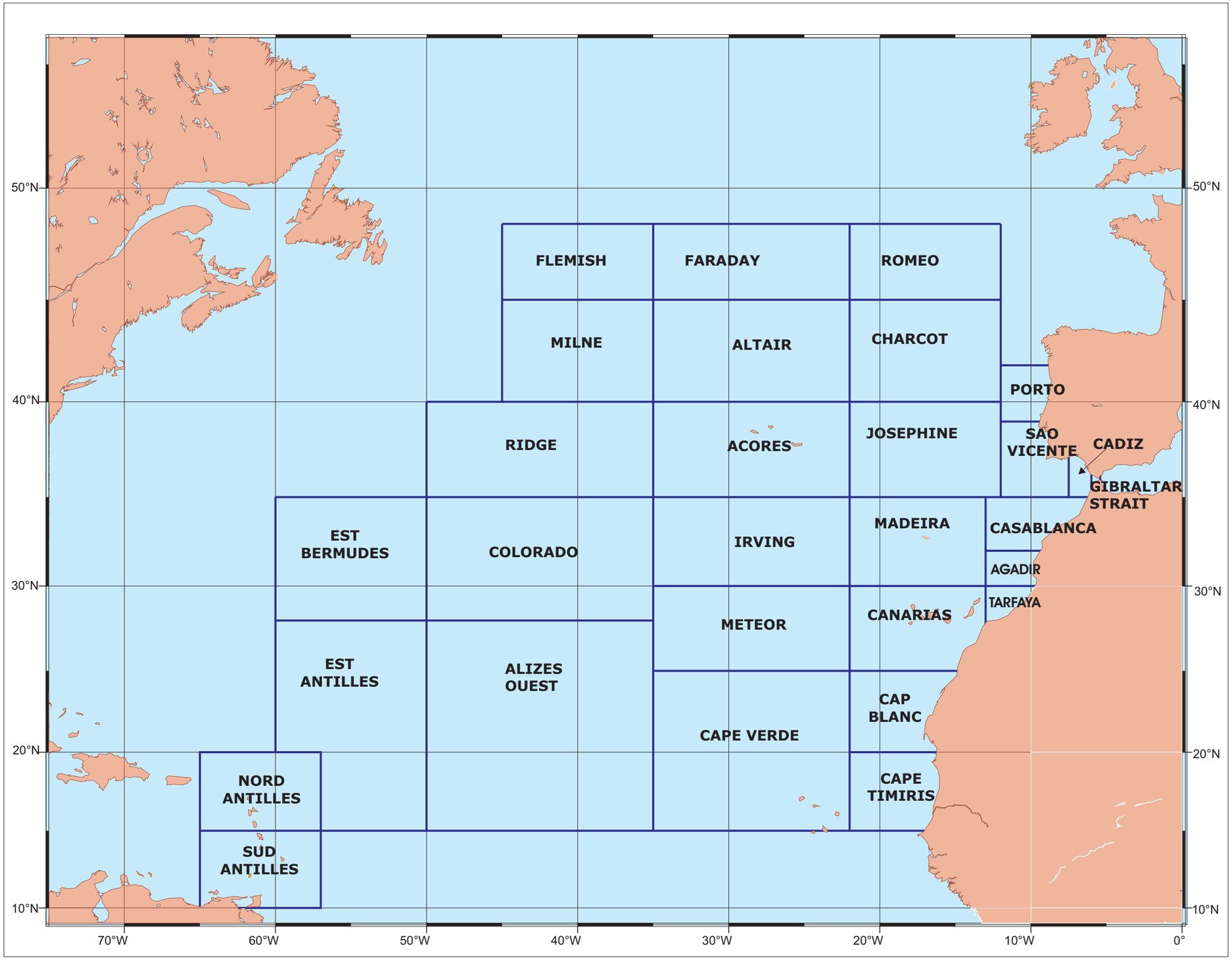
B1 Bay of Bothnia
B2 The Quark
B3 Sea of Bothnia
B4W Sea of Aaland
B4E Sea of Archipelago
B5 Gulf of Finland
B7 Northern Baltic



France
Forecast areas



France
Forecast areas



France
Areas of responsibility of
Centres Régionaux Opérationnels de Surveillance
et de Sauvetage (CROSS) stations

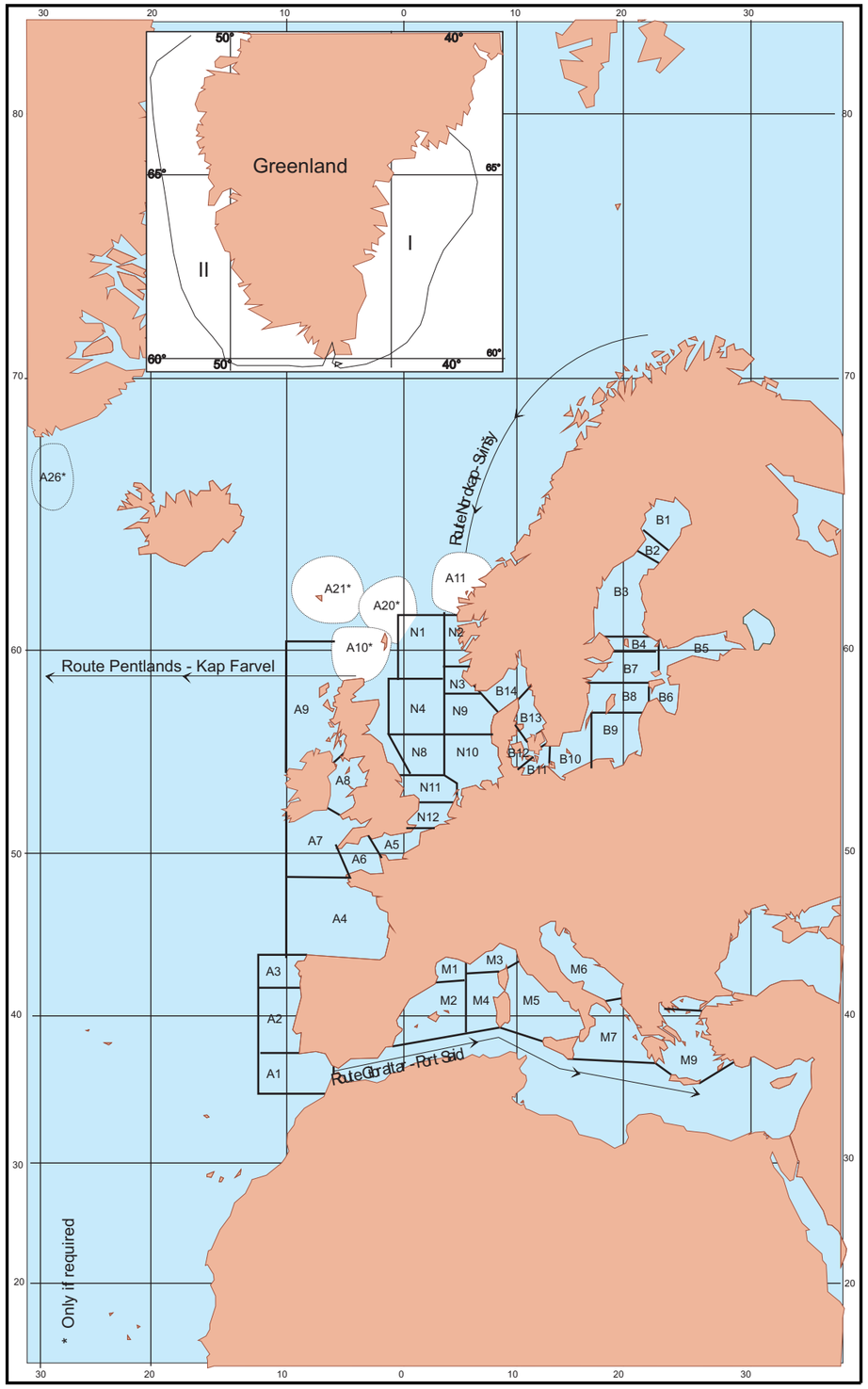
Germany- Allemagne
Forecast Areas

KEY:
ATLANTIK:
A1 Westlich Gibraltar
A2 Portugiesische Küste
A3 Finisterre
A4 Biskaya
A5 Engl. Kanal Ostteil
A6 Engl. Kanal Westteil
A7 Südlich Irland
A8 Irische See
A9 Hebriden
A10 Pentlands
A11 Svinöy
A20 Shetlands
A21 Faröer
A26 Dohrnbank

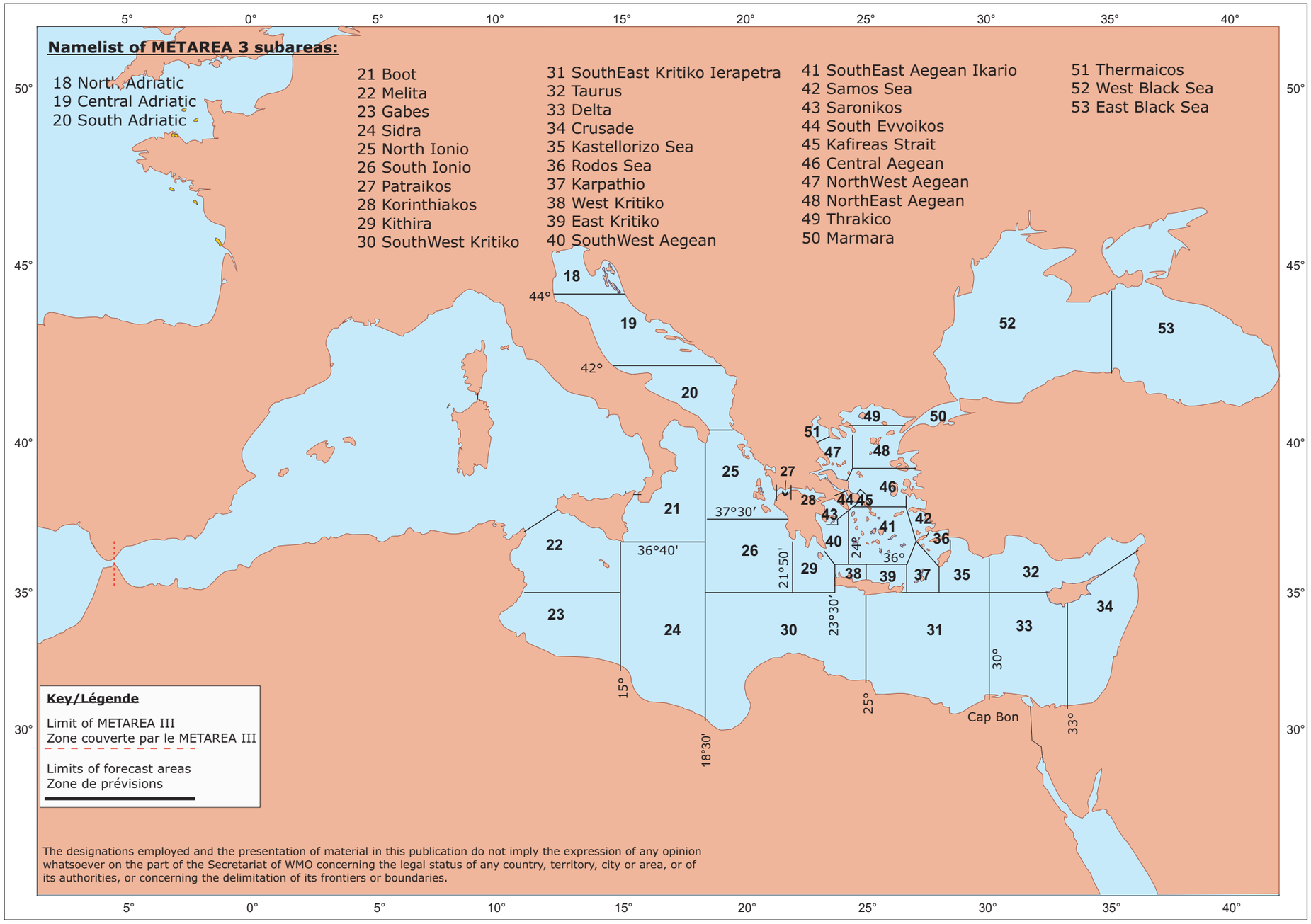
NORDSEE
N1 Viking
N2 Utsira Nörd) Utsira
N3 Utsira Süd) Utsira
N4 Forties
N8 Dogger
N9 Fischer
N10 Deutsche Bucht
N11 Humber) Südwestliche Nordsee
N12 Themse) Südwestliche Nordsee

OSTSEE
B1 Bottenwiek
B2 Quark
B3 Bottensee
B4 Alandsee
B5 Finnischer Meerbusen
B6 Rigaischer Meerbusen
B7 Nördliche Ostsee
B8 Zentrale Ostsee
B9 Südšstliche Ostsee
B10 Südliche Ostsee
B11 Westliche Ostsee
B12 Belte und Sund
B13 Kattegat
B14 Skagerrak

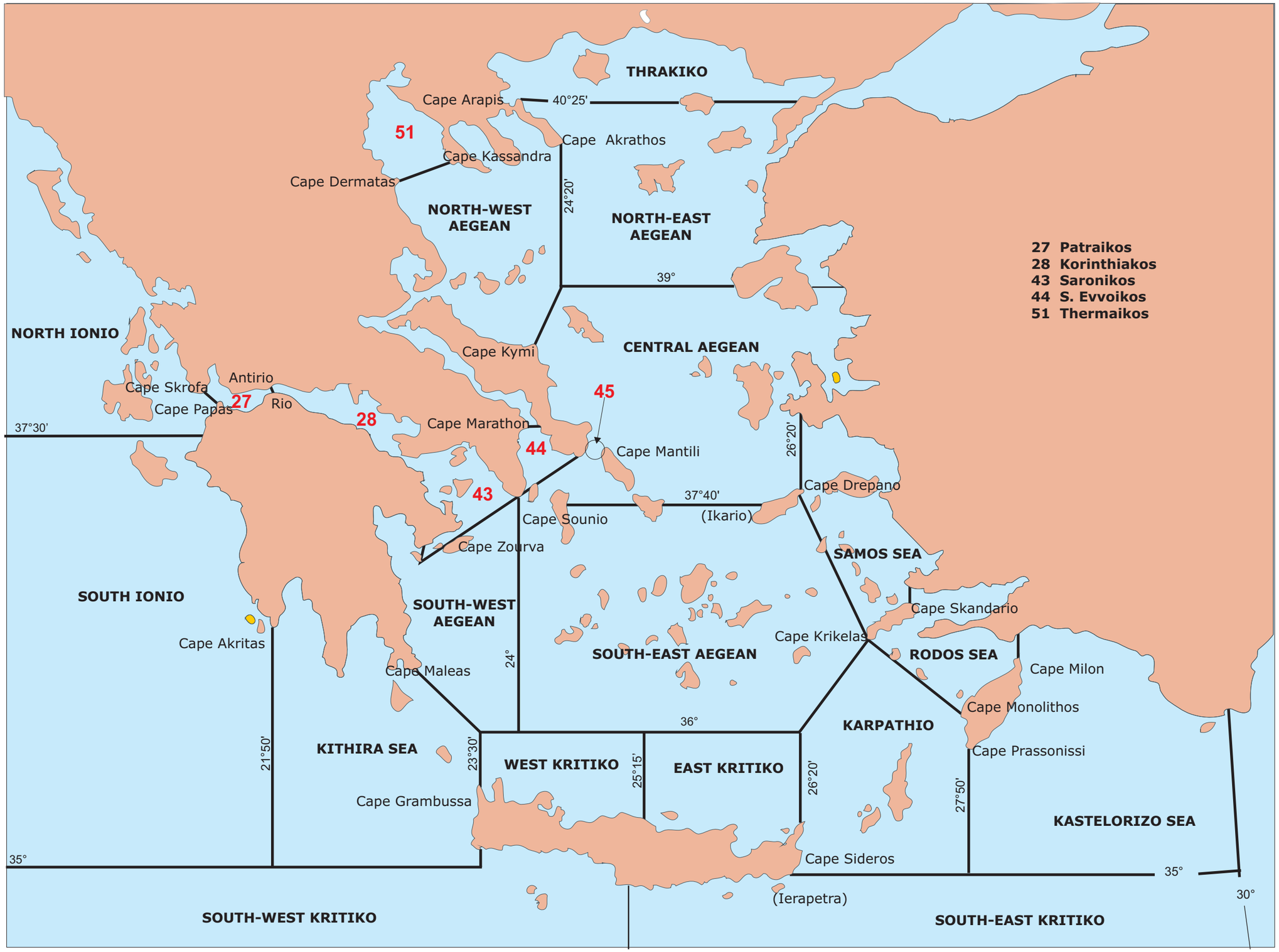
MITTELMEER:
M1 Golfe du Lion
M2 Balearen
M3 Ligurisches Meer
M4 Westlich Korsika-Sardinien
M5 Tyrrhenisches Meer
M6 Adria
M7 Ionisches Meer
M9 Ägäis
I Südostgrönland
II Südwestgrönland



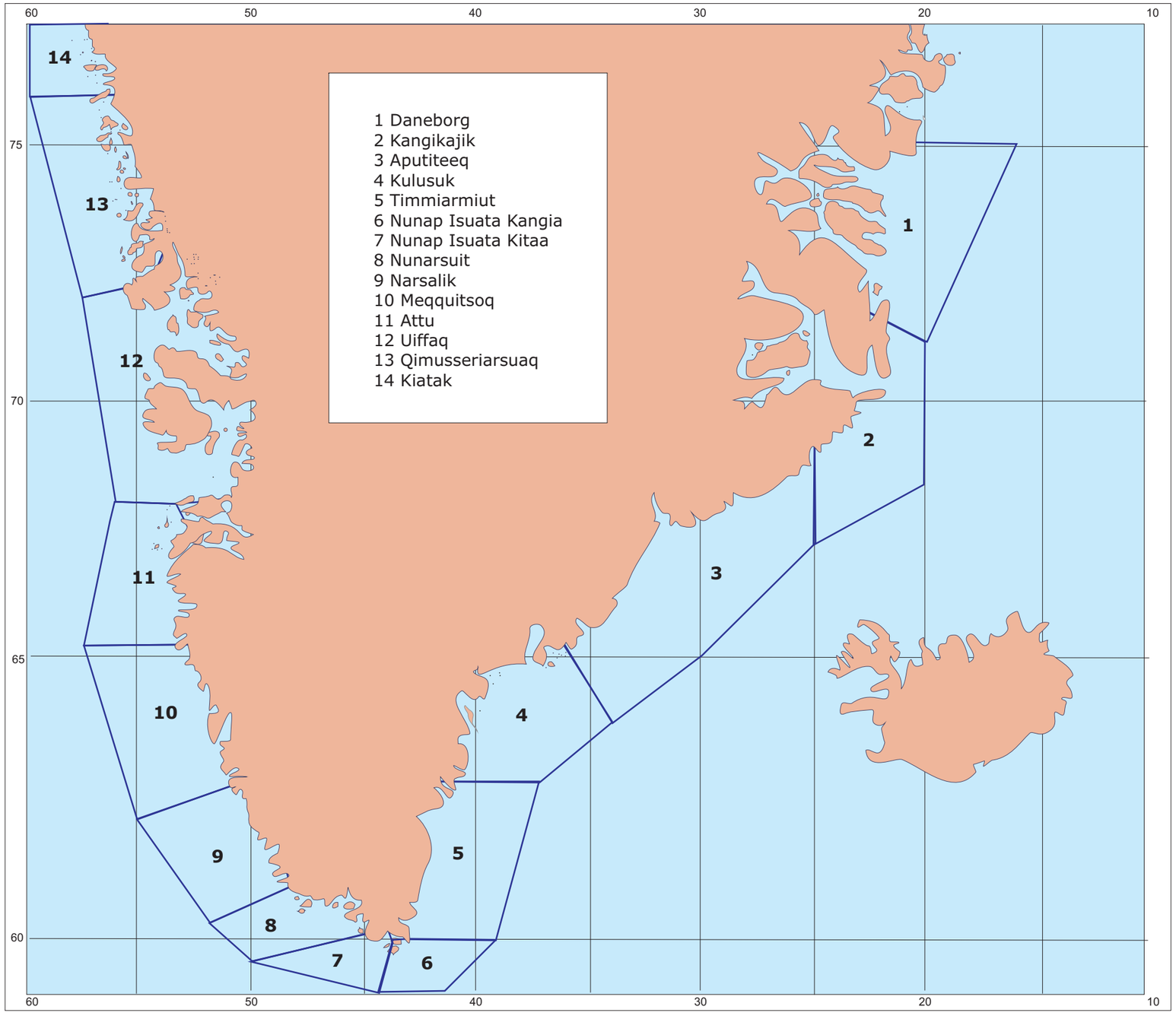
Greece - Grèce
METEO FRANCE & HELLENIC NATIONAL METEOROLOGICAL SERVICE
Weather Forecast Areas for Shipping
METAREA III (INMARSAT C)



Greece - Grèce
Weather Forecast Areas for Shipping
(GENERAL AIR STAFF, HELLENIC NATIONAL METEOROLOGICAL SERVICE, ATHENS MARINE METEOROLOGICAL CENTRE)

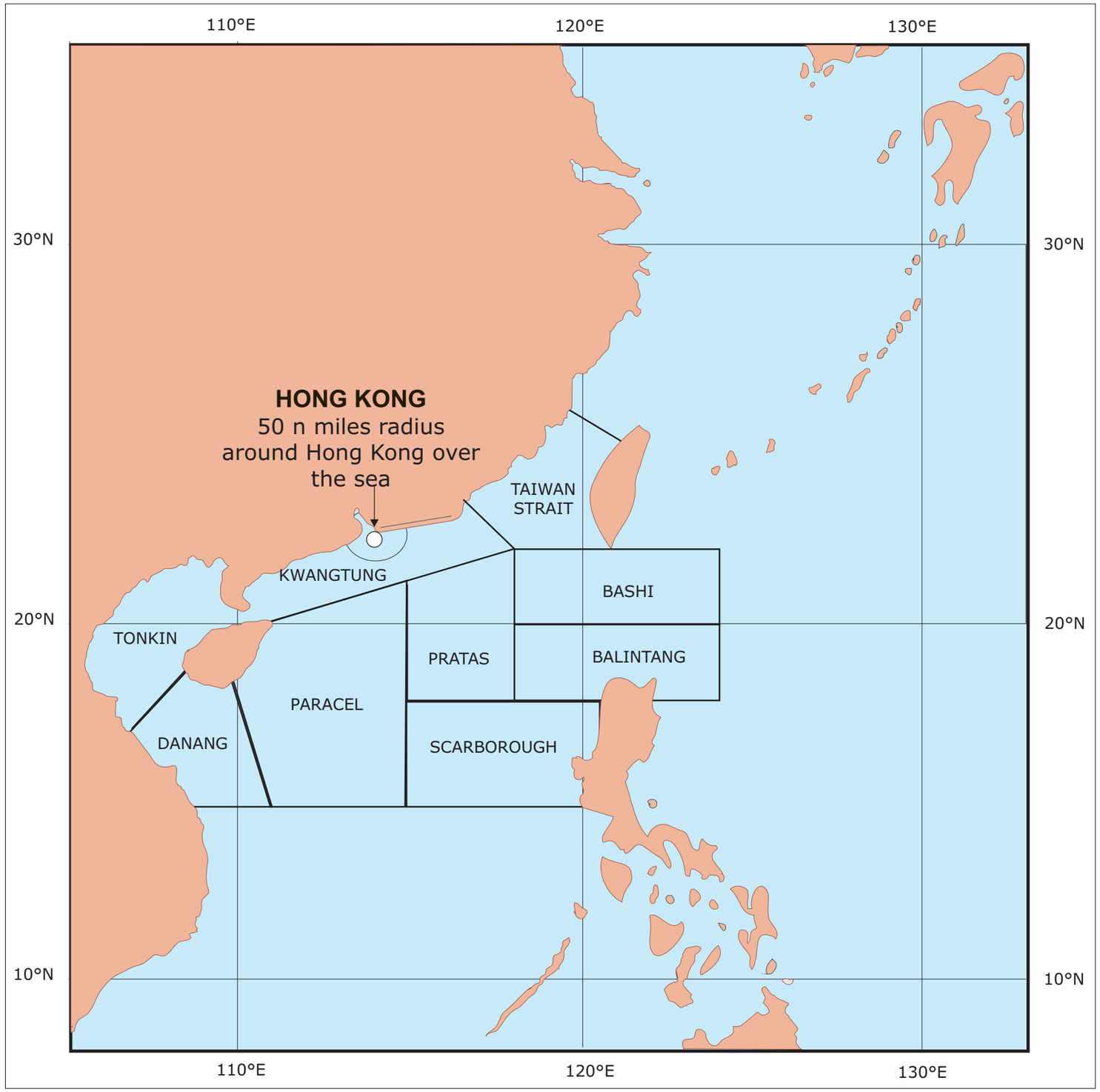


Greenland
Forecast Areas

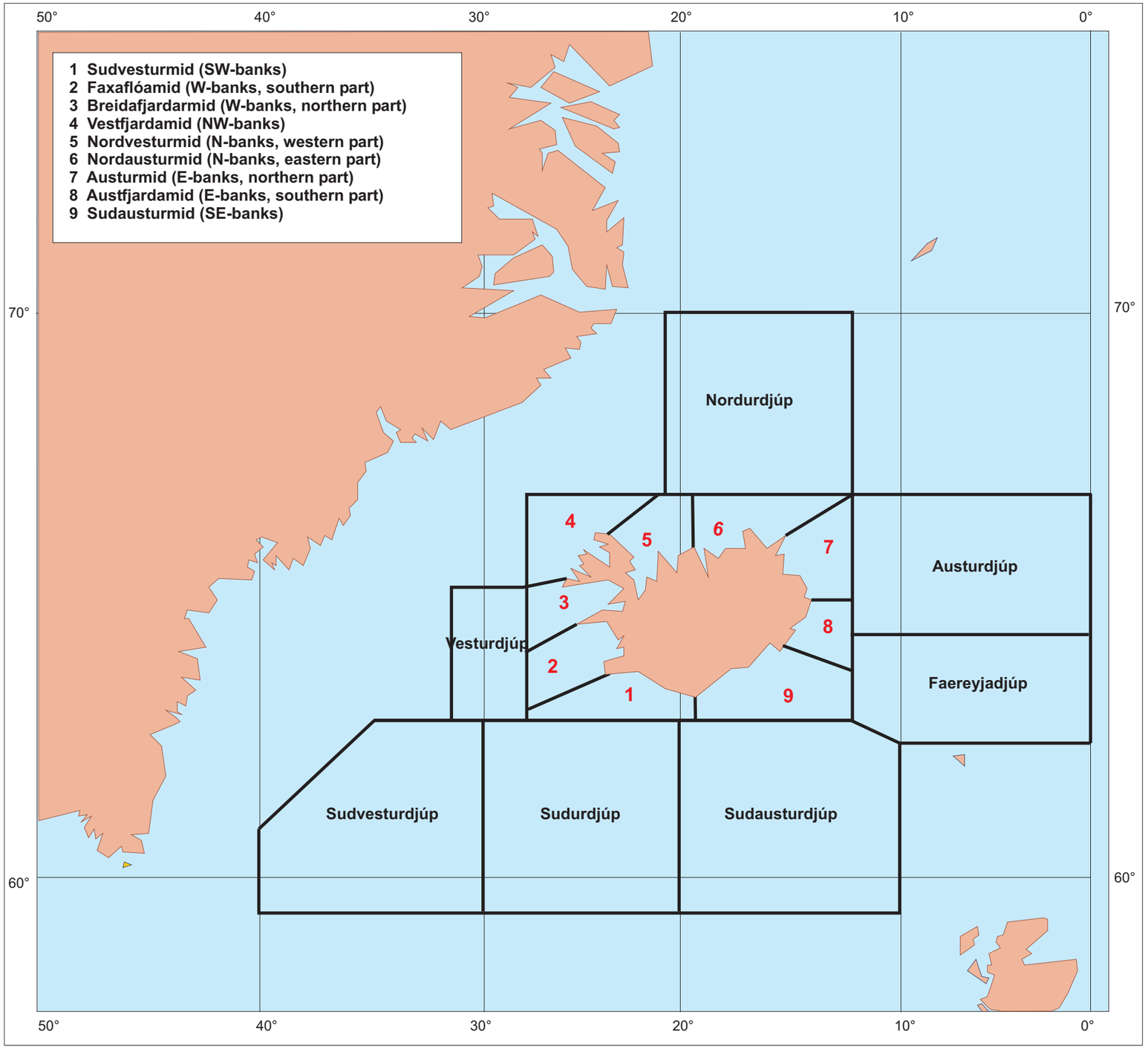


Hong Kong, China - Hong Kong, Chine

Hong Kong Marine Forecast Areas
South China coastal areas

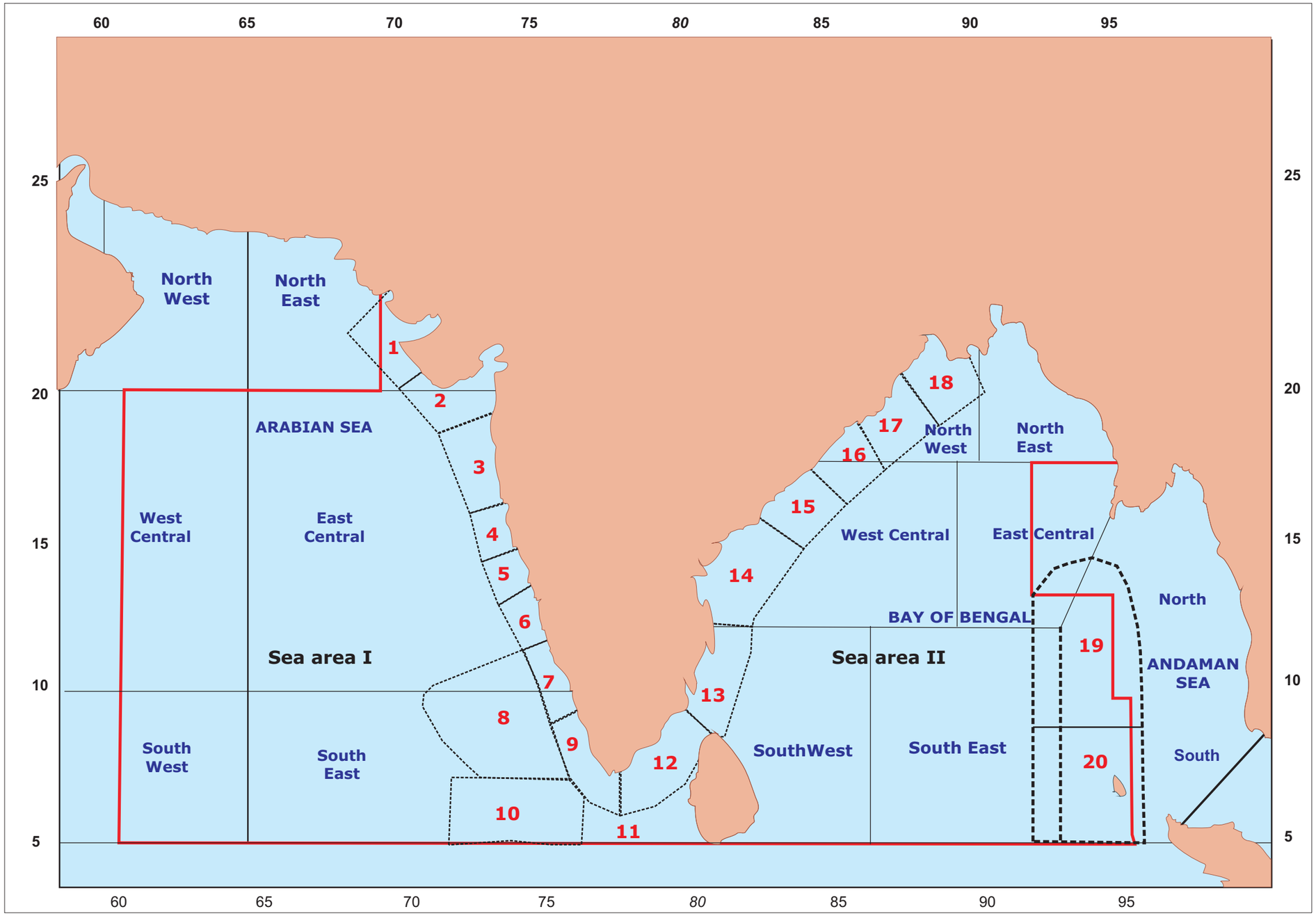


Iceland - Islande

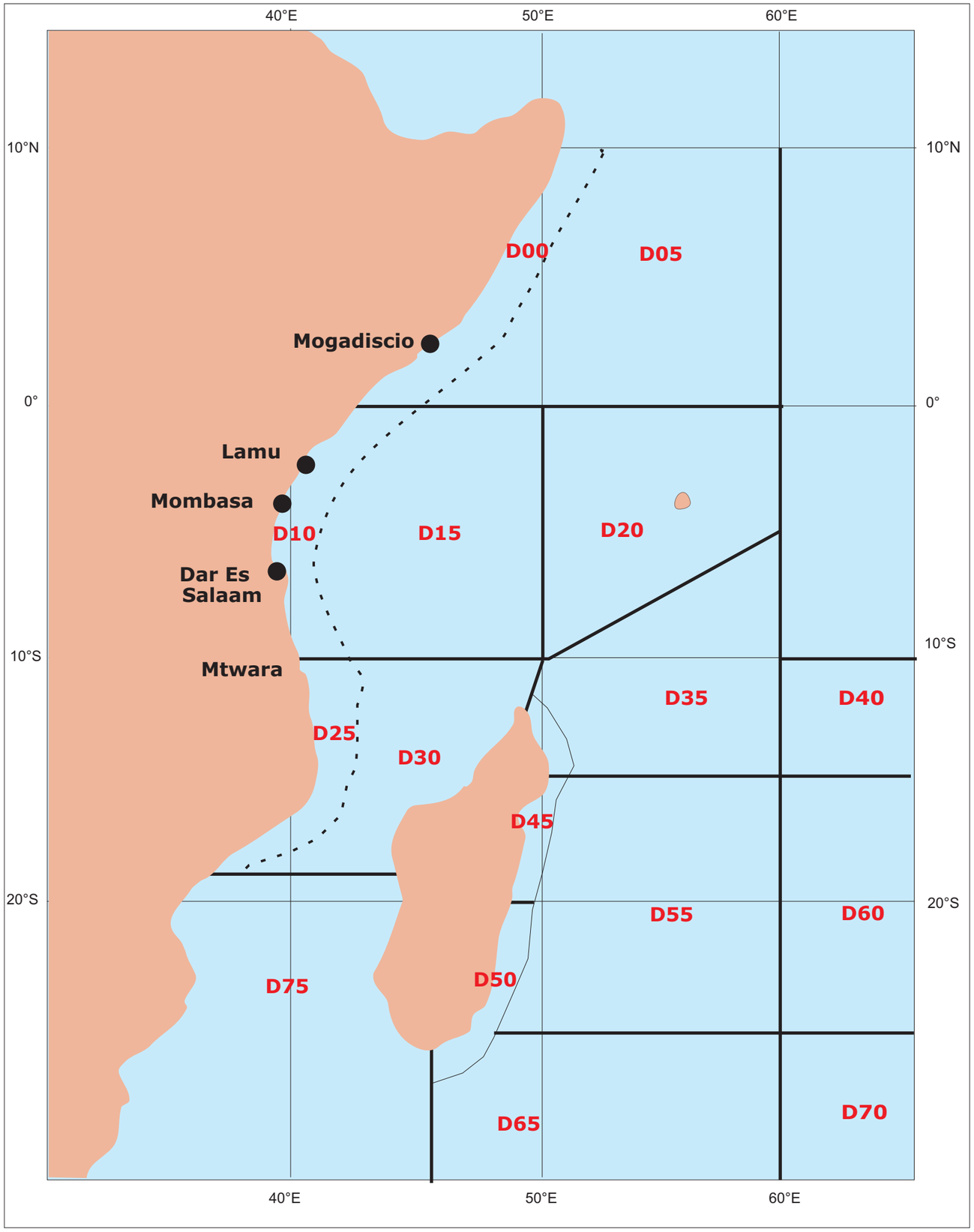


India -Inde
Forecast Areas

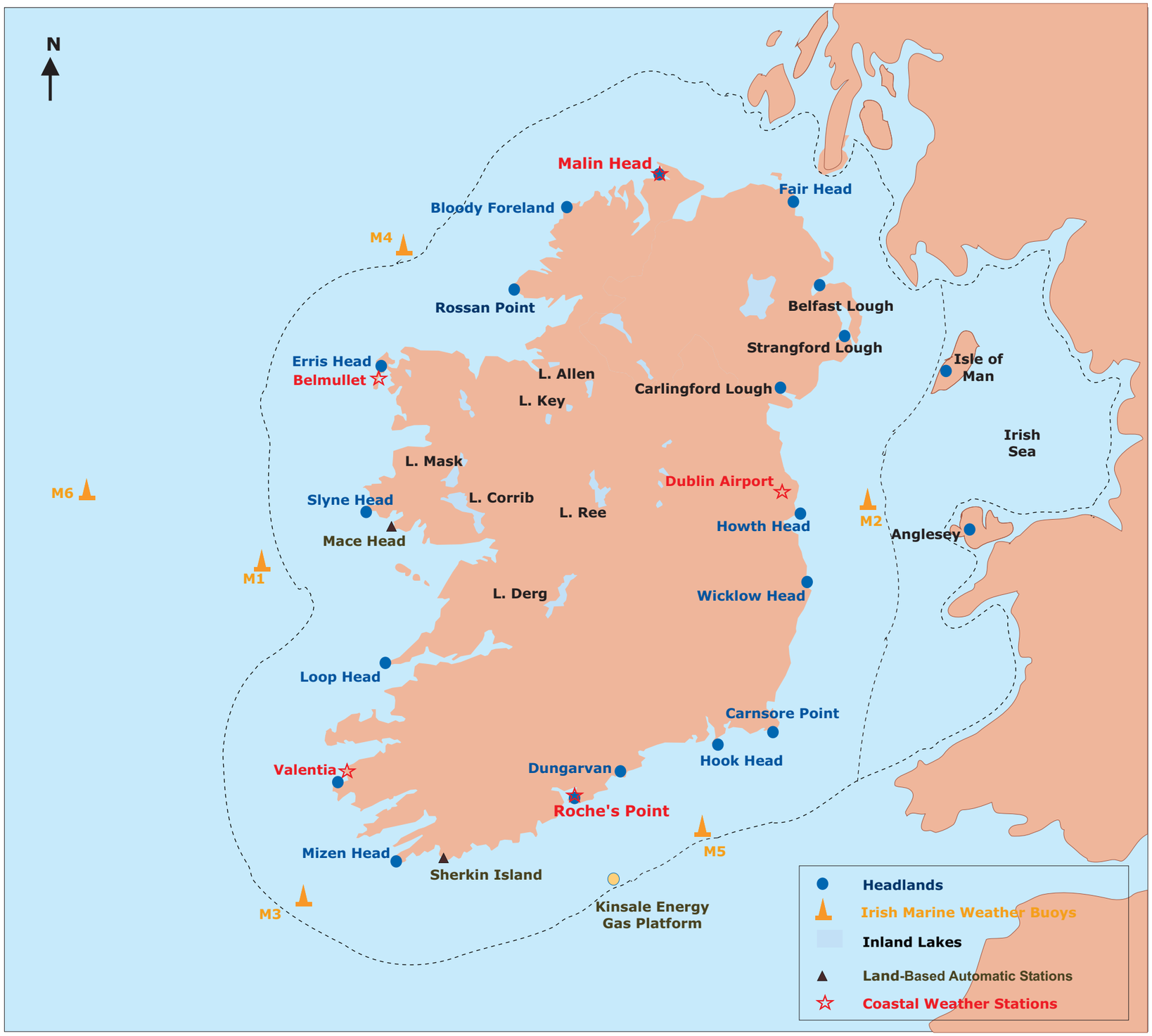
KEY:
1 North Gujarat
2 South Gujarat
3 North Maharashtra
4 South Maharashtra
5 Goa
6 Karnataka
7 North Kerala
8 Lakshadweep
9 South Kerala
10 Maldive
11 Comorin
12 South Tamilnadu
13 NorthTamilnadu
14 South Andhra
15 North Andhra
16 South Orissa
17 North Orissa
18 West Bengal
19 Andaman Is.
20 Nicobar Is.



Kenya
Weather Forecast Areas

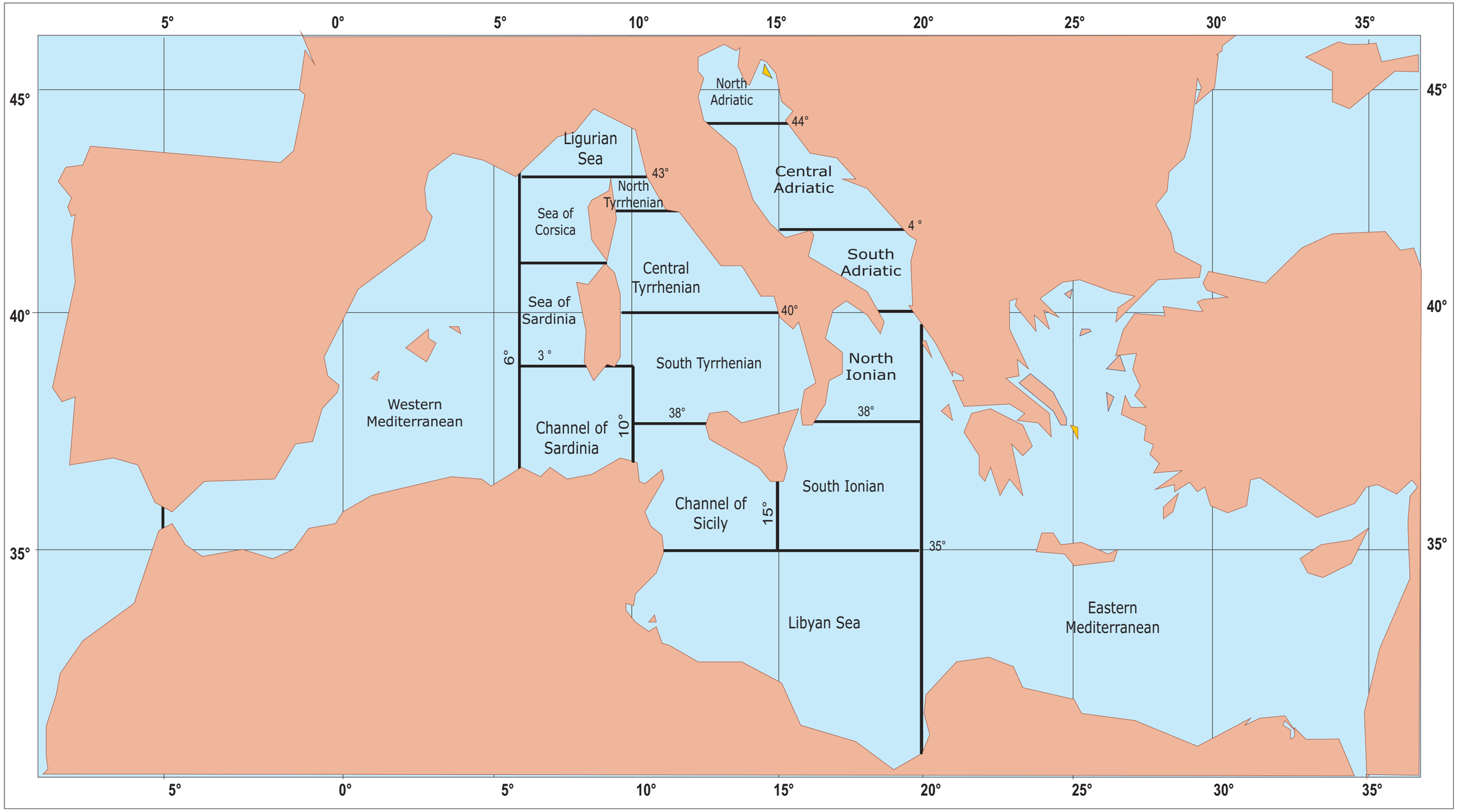


Ireland - Irlande
Marine Weather Services Sea Area Map

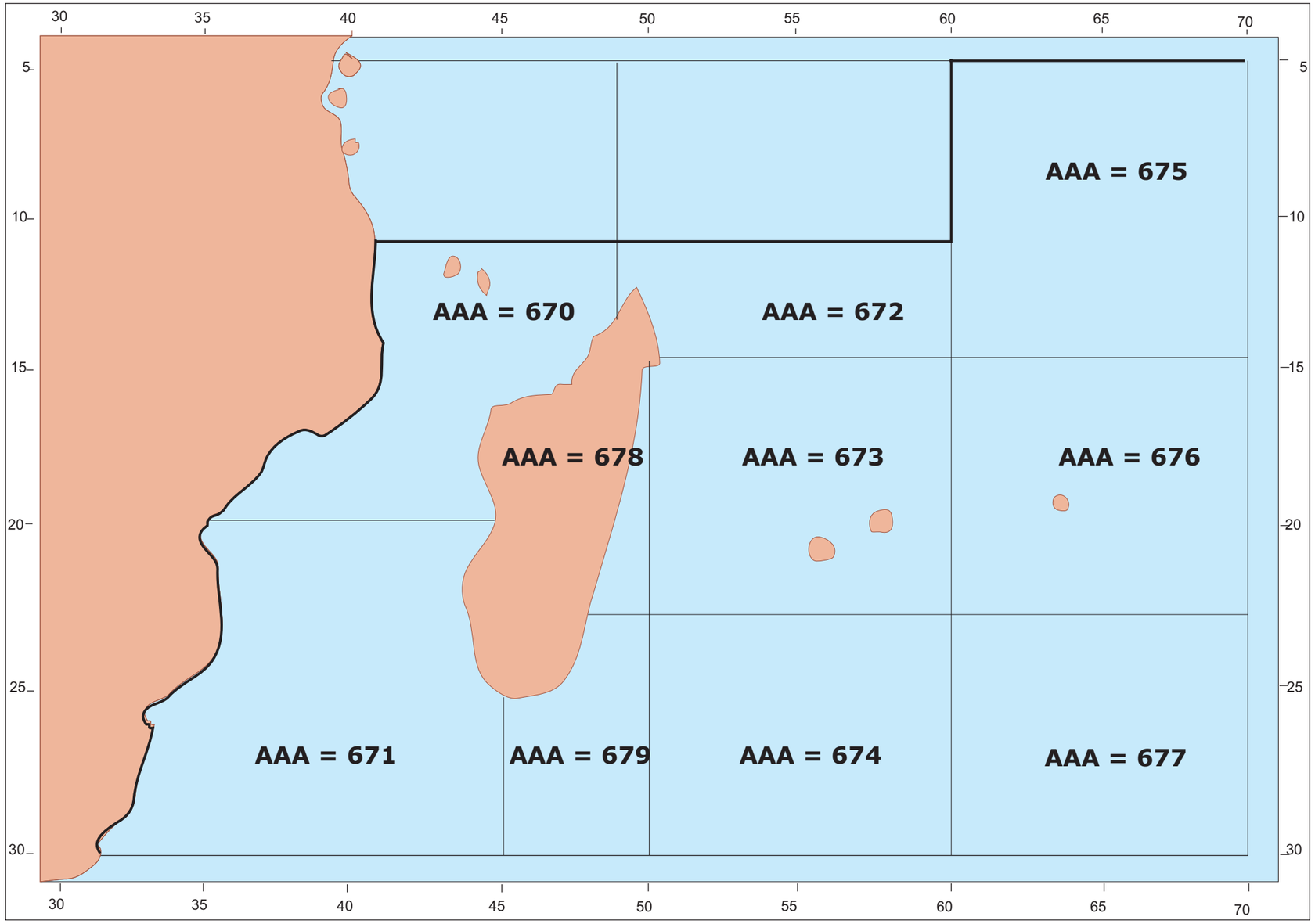


Italy- Italie

Weather Forecast Areas

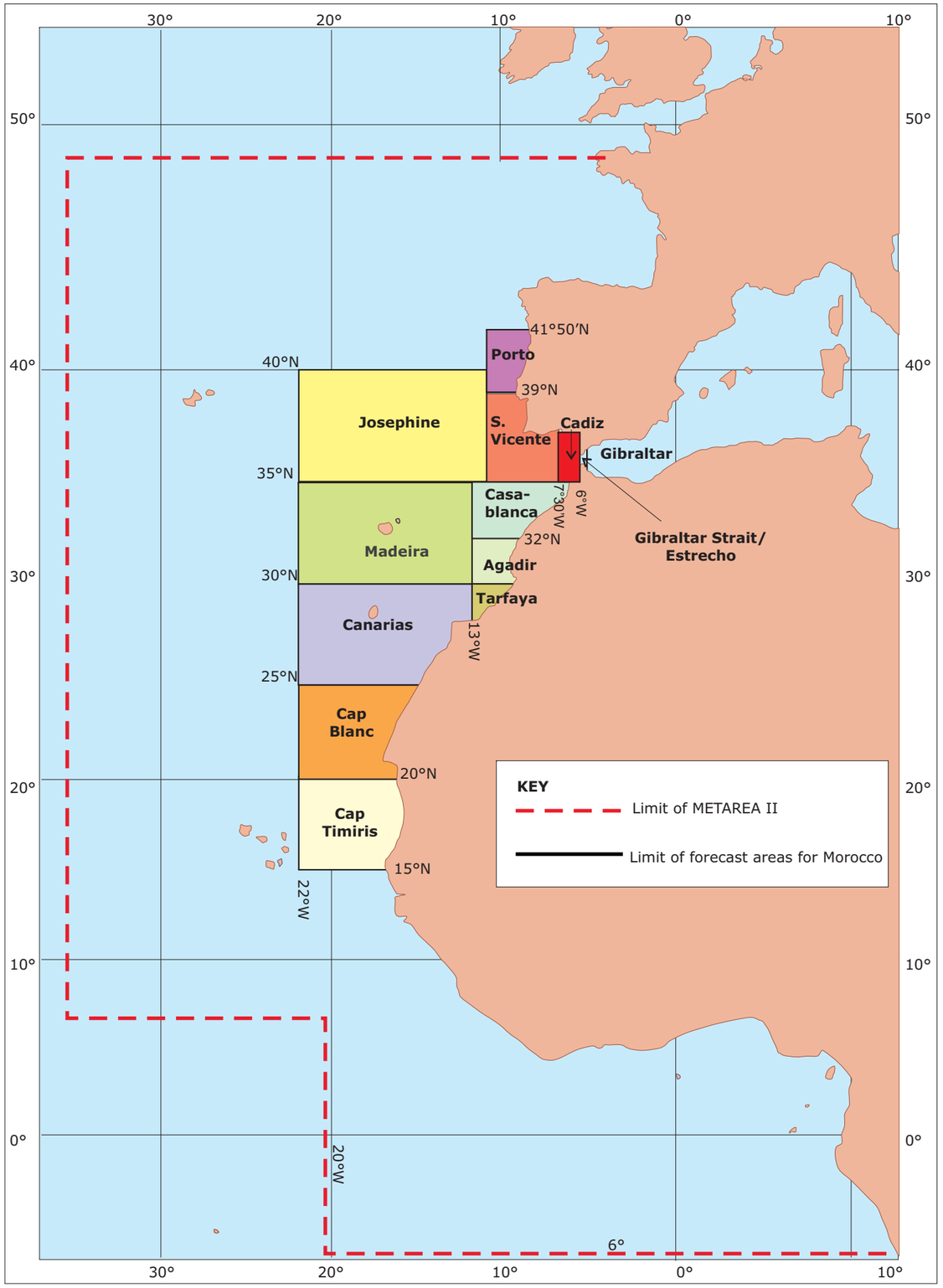


Madagascar
Weather Forecast Areas



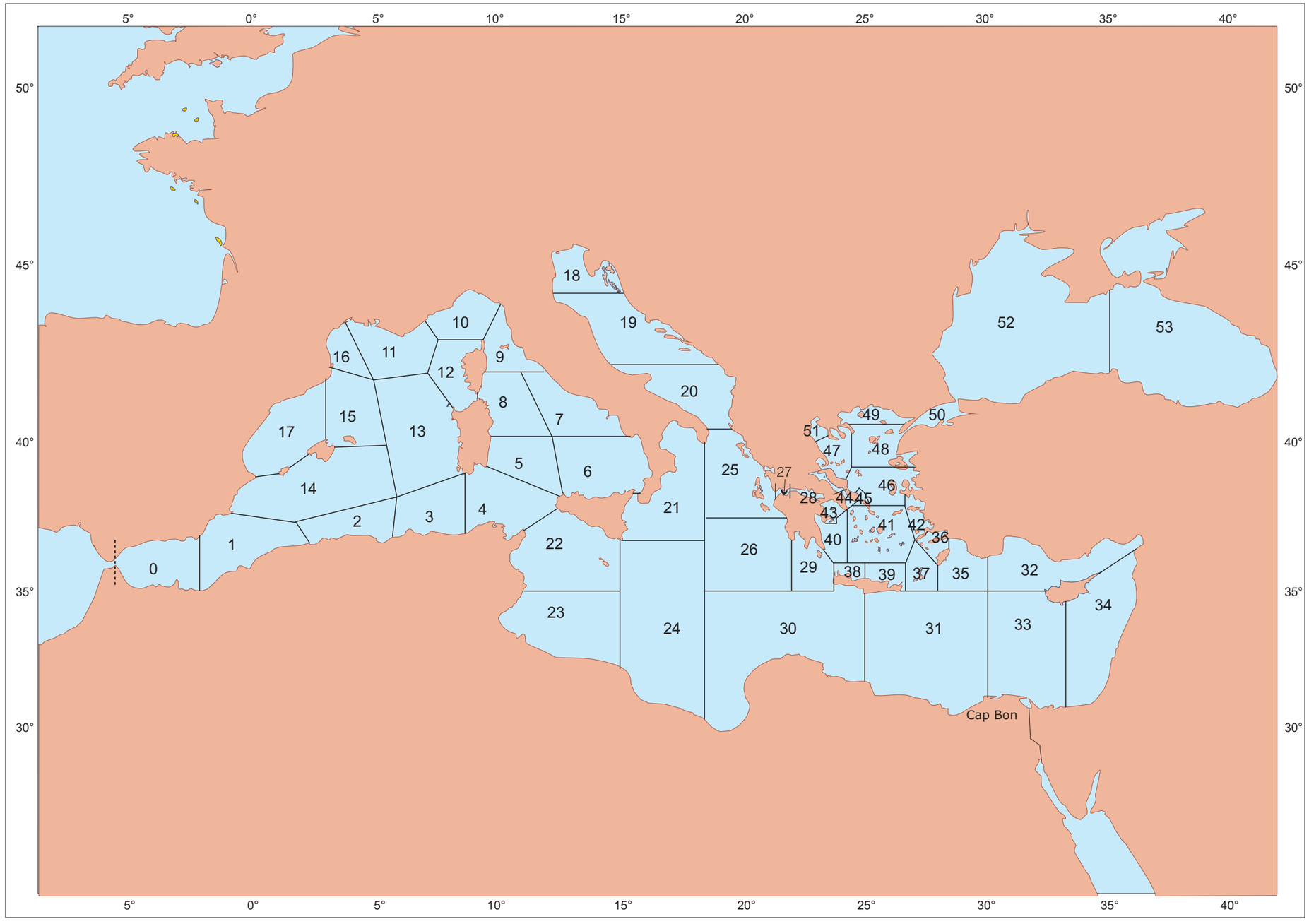
Morocco - Maroc

23 February 2008



Morocco - Maroc

KEY
0-53 Limit of METAREA III
0-2 Weather forecast areas for Morocco



0 Alboran (weather forecast area for Morocco)
1 Palos (weather forecast area for Morocco)
2 Alger
3 Annaba
4 Tunisie
5 Carbonara
6 Lipari
7 Circeo
8 Maddalena
9 Elbe
10 Ligura
11 Provence
12 Corse
13 Sardaigne
14 Cabrera
15 Minorque
16 Lion
17 Baleares
18 North Adriatic
19 Central Adriatic
20 South Adriatic
21 Boot
22 Melita
23 Gabes
24 Sidra
25 North Ionio
26 South Ionio
27 Patraikos
28 Korinthiakos
29 Kithira Sea
30 South-West Kritiko
31 South-East Kritiko Ierapetra
32 Taurus
33 Delta
34 Crusade
35 Kastellorizo Sea
36 Rodos Sea
37 Karpathio
38 West Kritiko
39 East Kritiko
40 South-West Aegean
41 South-East Aegean - Ikario
42 Samos Sea
43 Saronikos
44 South Evvoilos
45 Kafireas Strait
46 Central Aegean
47 North-West Aegean
48 North-East Aegean
49 Thrakico
50 Thermaicos
51 Marmara
52 West Black Sea
53 East Black Sea

Netherlands - Pays-Bas

Weather Forecast Areas

Areas for ice reports (AA-GG):
AA - Delfzijl/Eemshaven and approaches:
1 Delfzijl
2 Eemshaven
3 Eems: Oterdum-Eemshaven
4 Eems: Eemshaven-Huibertgat

BB - Harlingen and approach:
1 Harlingen
2 Along Pollendam
3 Blauwe Slenk
4 Vliestroom and Stortemelk

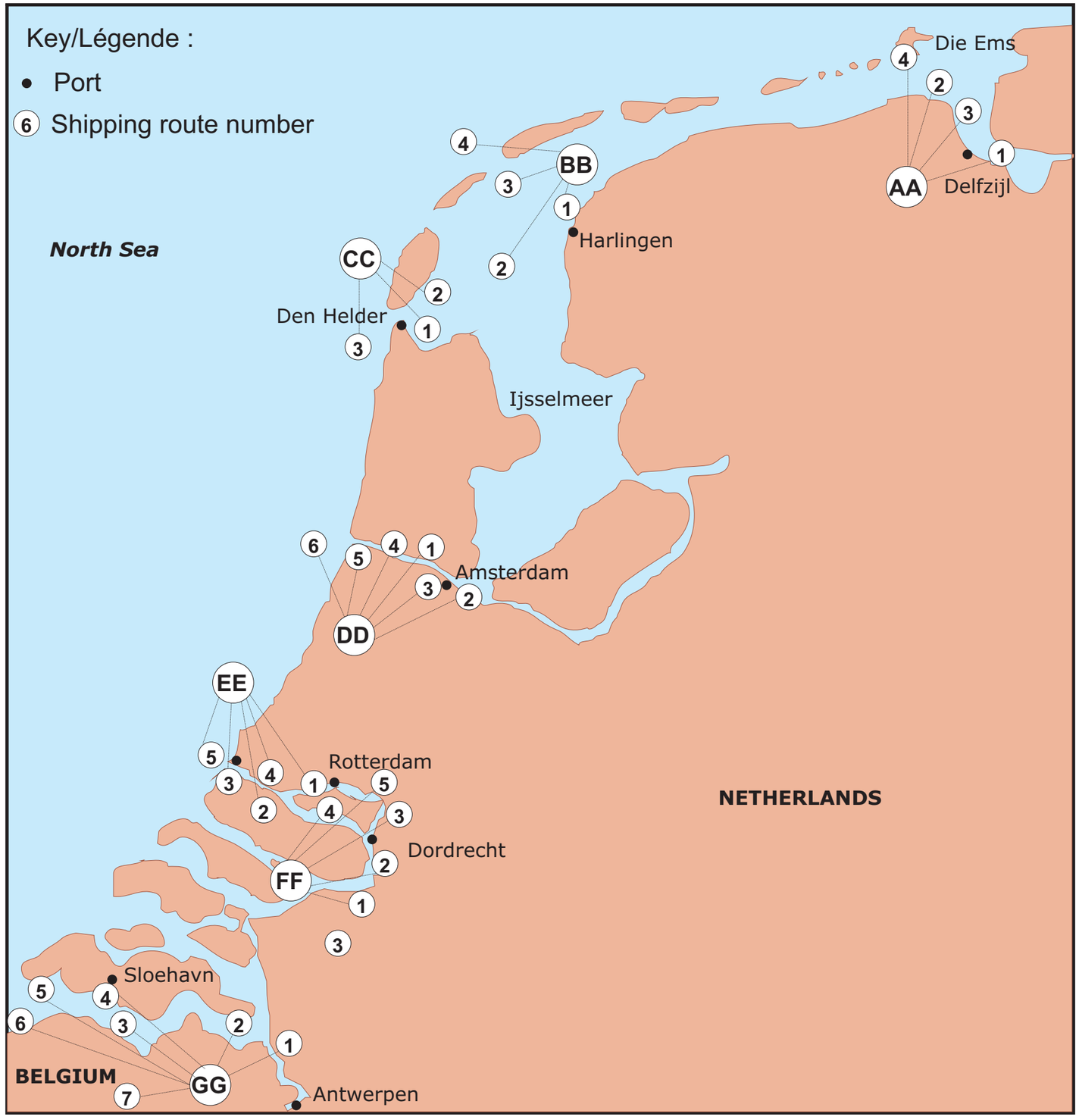
CC - Den Helder and appproach:
1 Den Helder
2 Texelstroom and Marsdiep
3 Schulpengat

DD - Amsterdam/Zaandam and approaches:
1 Branch canal G and Zaandam harbours
2 Amsterdam East harbours
3 Amsterdam West harbours
4 Branch canal A (Beverwijk)
5 North Sea canal
6 IJmuiden locks - fairway buoy

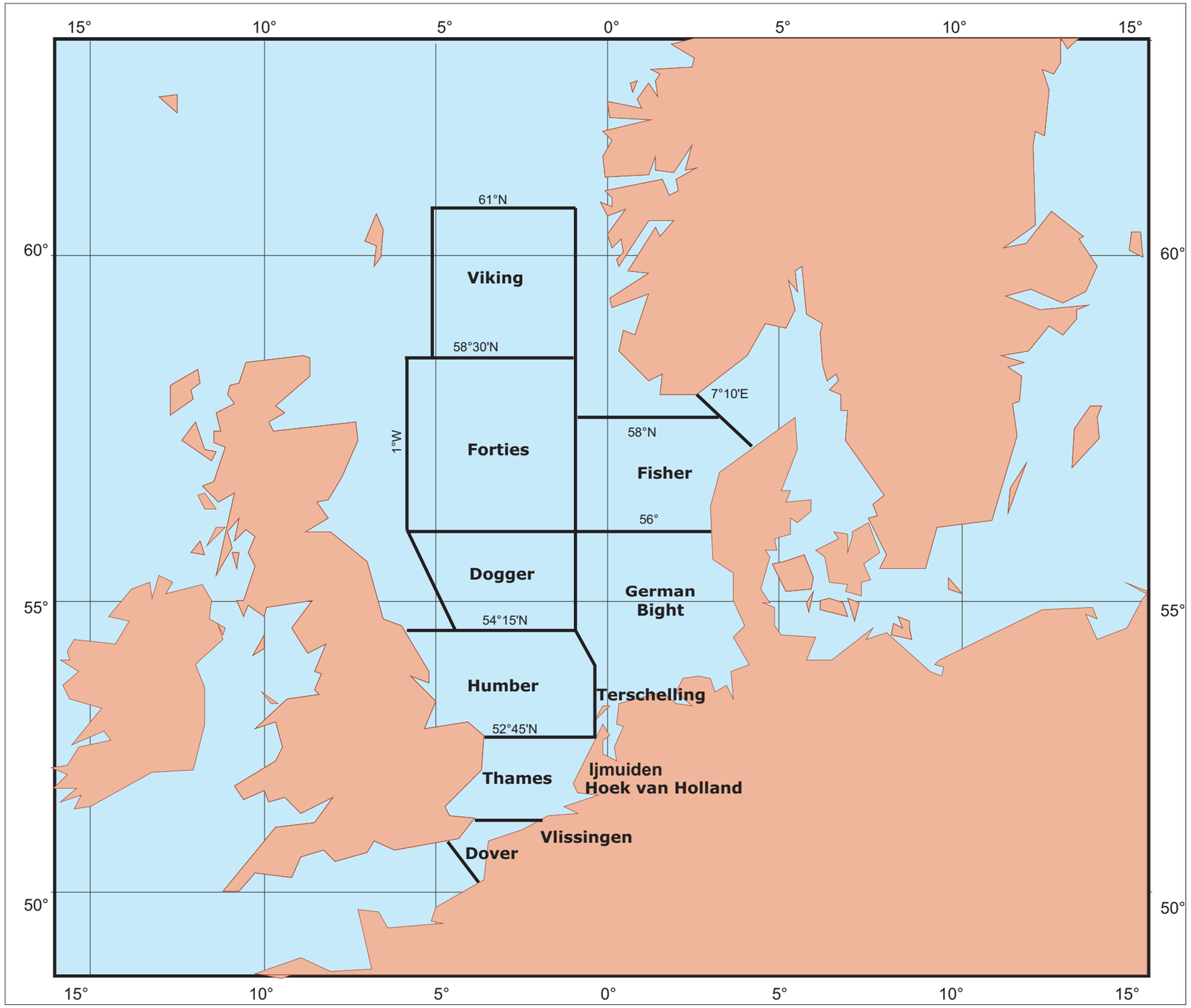
EE - Rotterdam and approach:
1 Nieuwe Maas and harbours
2 Botlek harbours
3 Europort
4 New Waterway
5 Hook of Holland - fairway buoy

FF - Rotterdam to Dordrecht/Moerdijk harbours:
1 Moerdijk
2 Moerdijk - Dordrecht
3 Dordrecht
4 Oude Maas
5 Noord

GG - Schelde harbours and approaches:
1 Antwerp harbours
2 Schelde: Antwerp-Hansweert
3 Schelde:Hansweert-Flushing roads
4 Sloe harbour
5 Oostgat
6 Wielingen
7 Canal Terneuzen-Gent

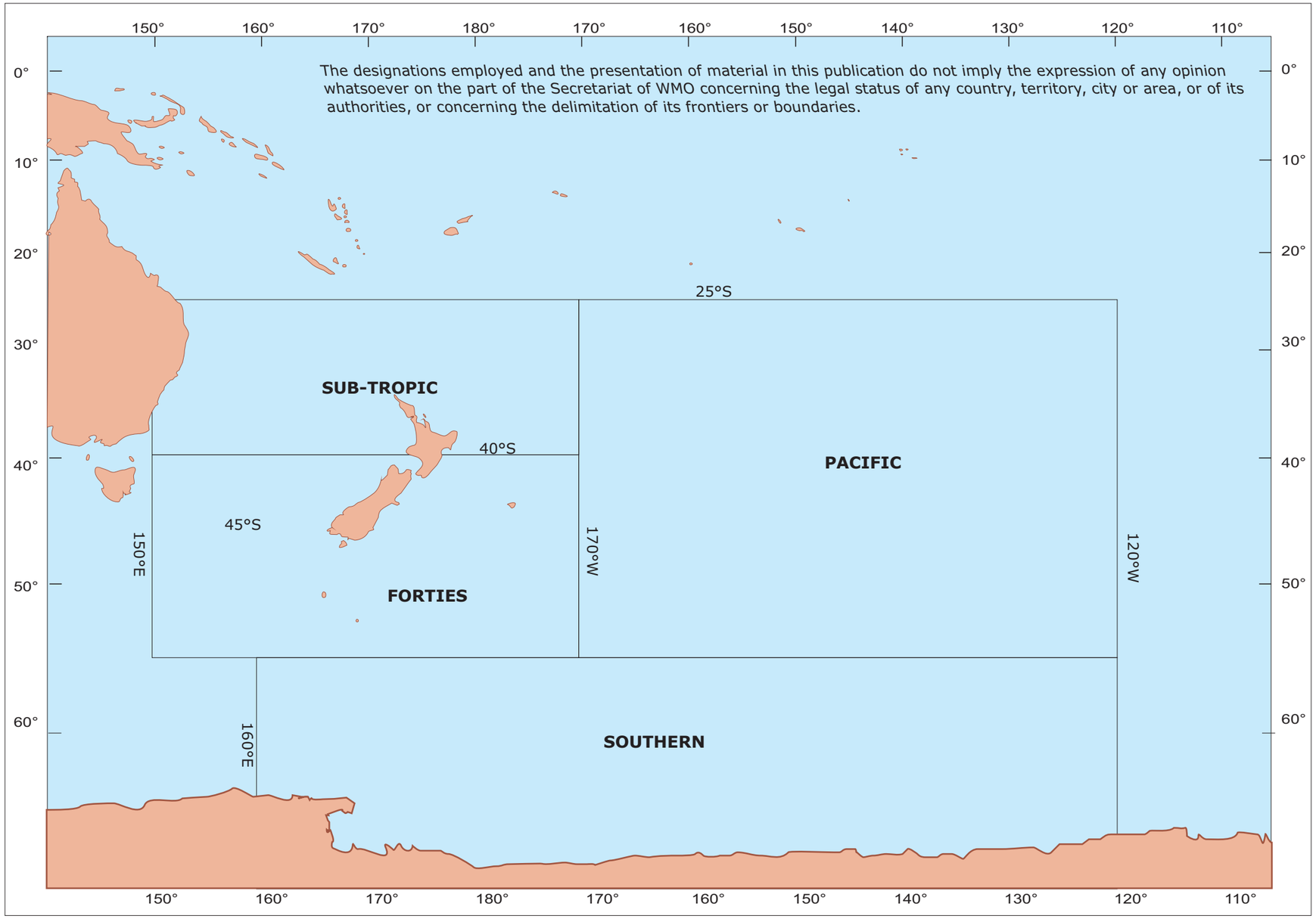


Netherlands - Pays-Bas



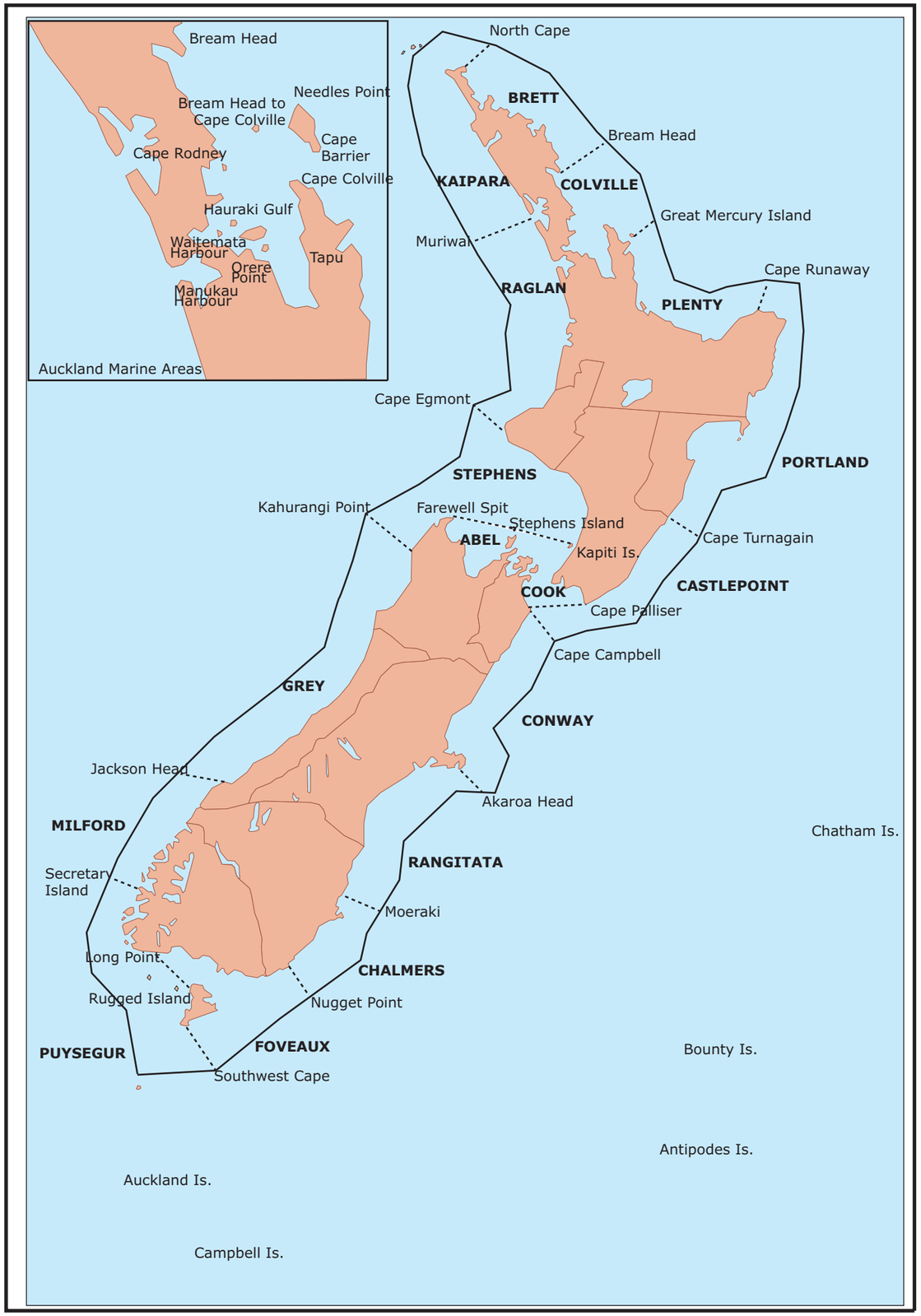
New Zealand - Nouvelle-Zélande

High Seas Forecast Areas

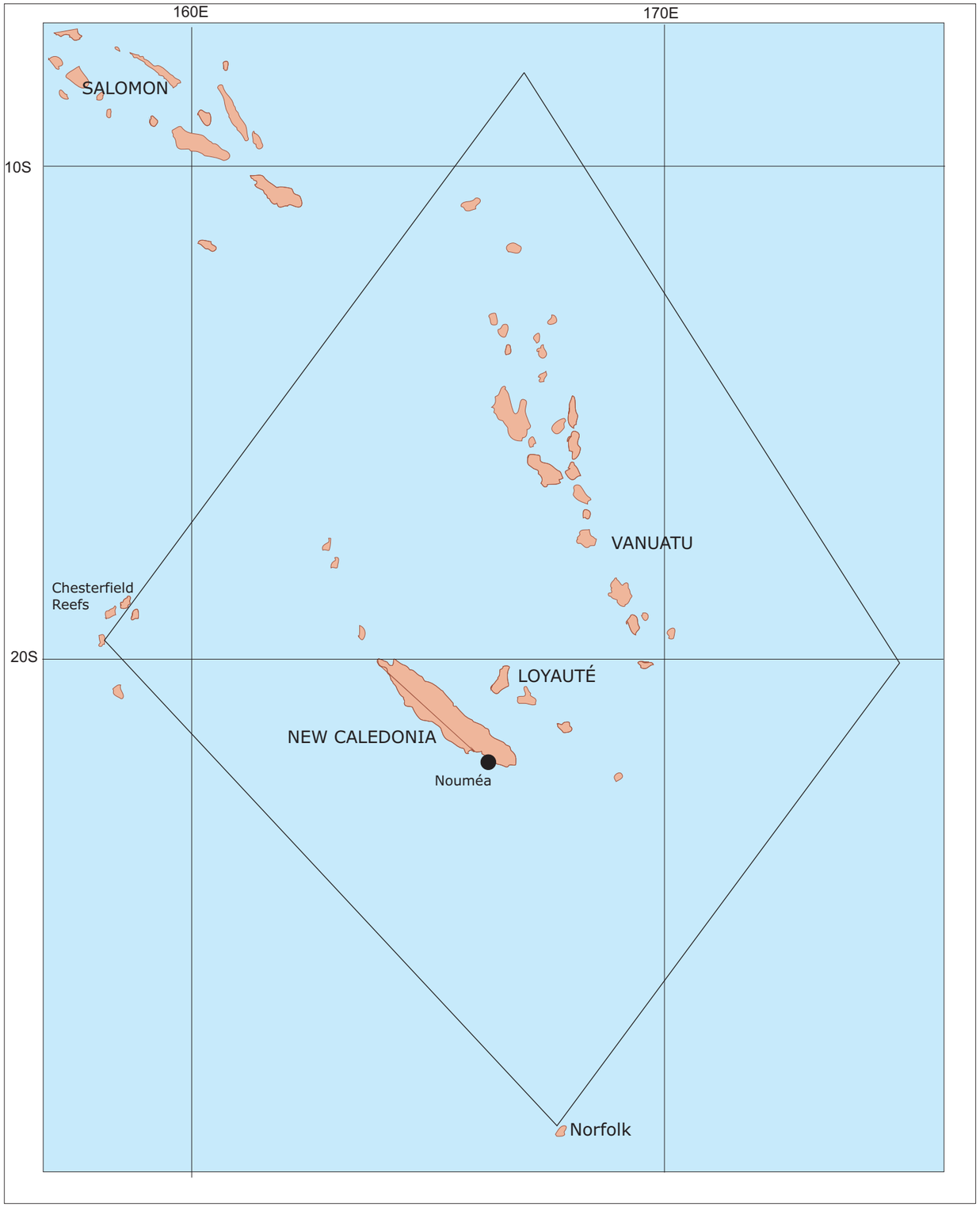


New Zealand - Nouvelle-Zélande

Coastal Forecast Areas



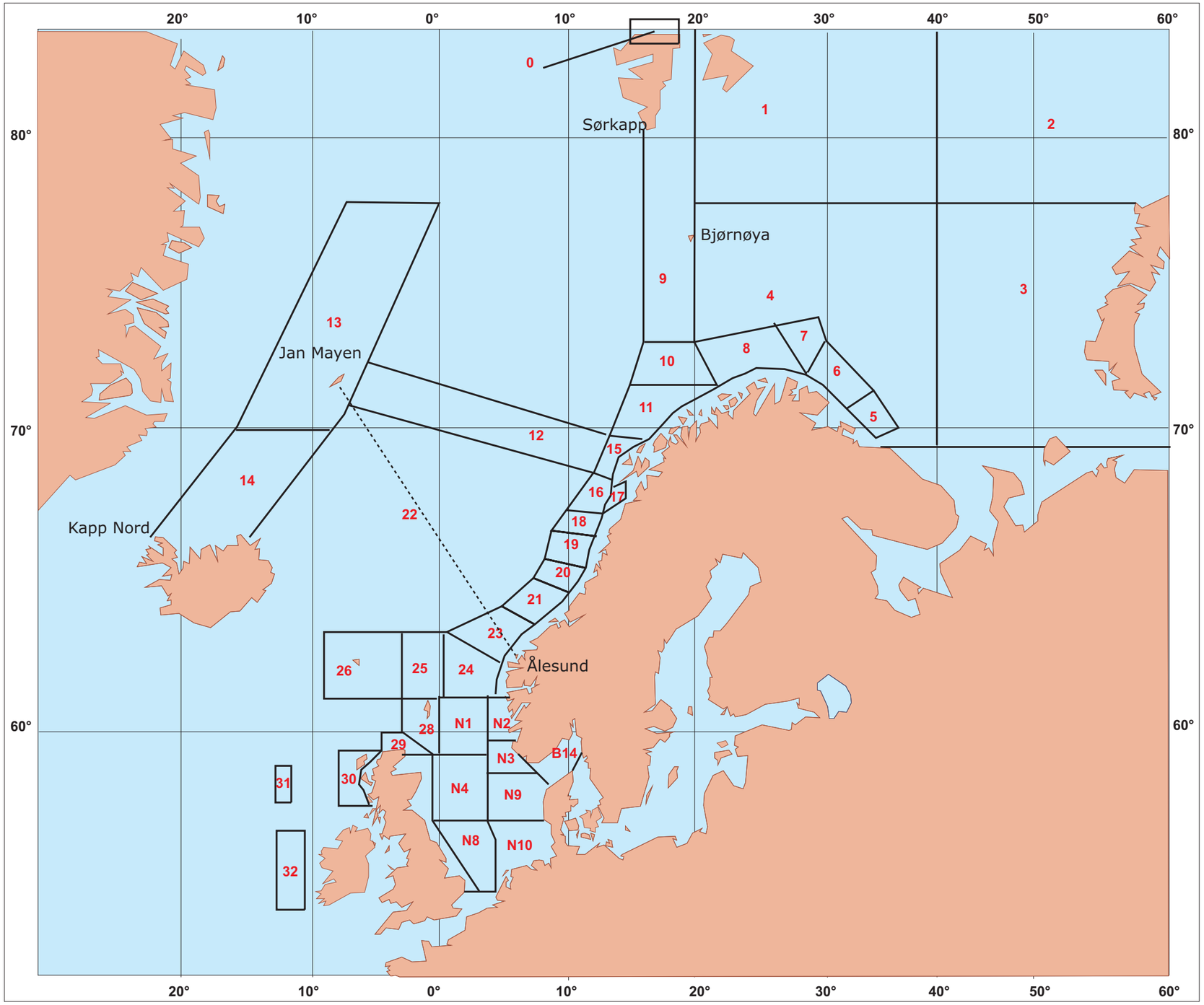
New Caledonia - Nouvelle-Calédonie
Forecast areas



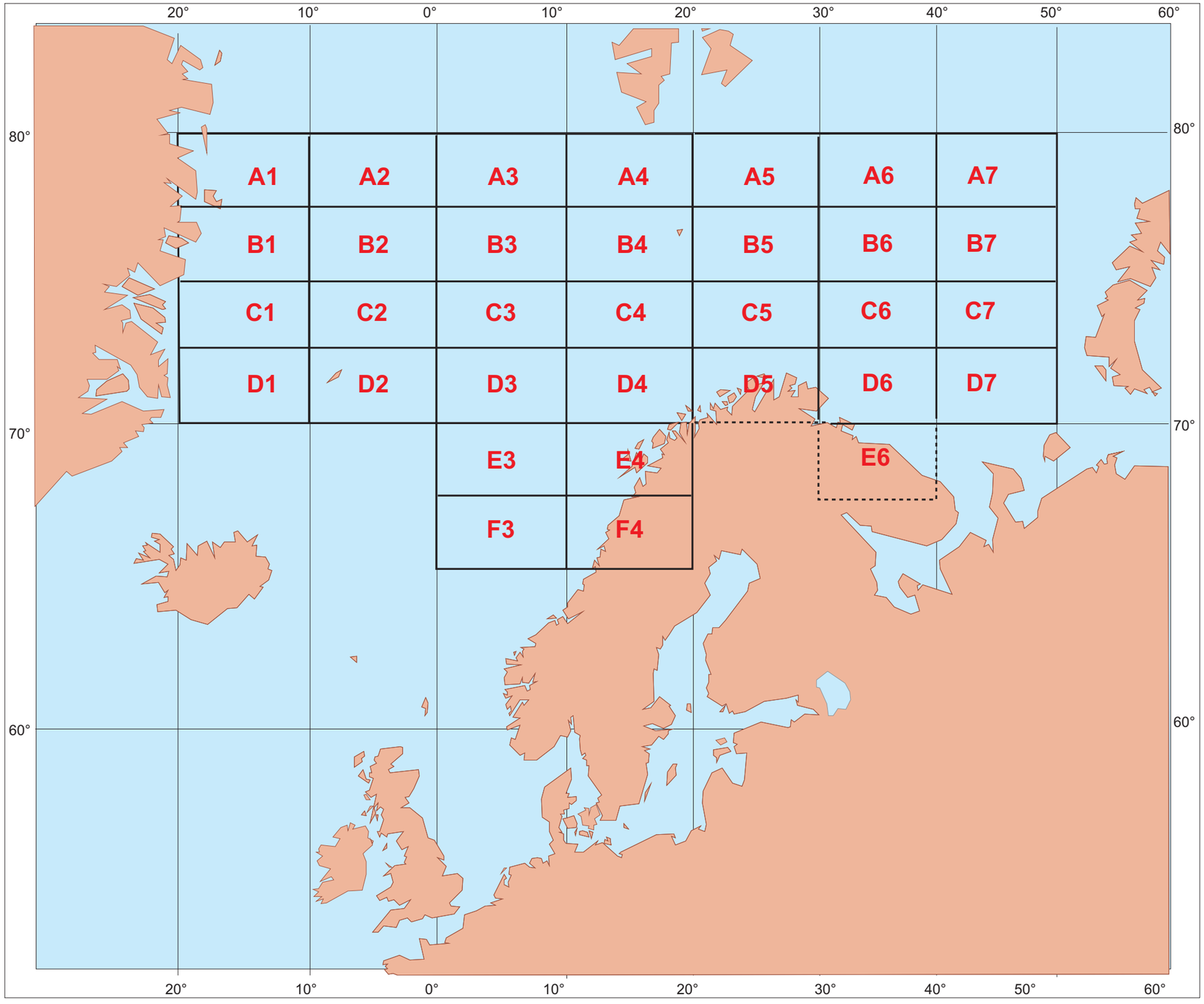
Norway - Norvège

0. Fishing grounds north of Spitsbergen (Svalbard)
1. NW Barentshavet
2. NE Barentshavet
3. SE Barentshavet
4. SW Barentshavet
5. Kildinbanken
6. Nordbanken
7. Nordkappbanken
8. Hjelmsøybanken
9. Tromsøflaket to Sørkapp
10. Tromsøflaket
11. Banks of Troms
12. Vesterålsbankene to Jan Mayen
13. Western ice, from 70°N to 75°N
14. Western ice, from Kapp Nord to 70°N
15. Vesterålsbankene
16. Røstbanken
17. Outer Vestfjorden
18. Trænabanken
19. Sklinnabanken
20. Haltenbanken
21. Frøyabanken
22. Ålesund to Jan Mayen

25. West Tampen
26. Færøybankene
28. Shetlandsbankene
29. Orknøyene
30. Hebridene
31. Rockall
32. Fishing grounds west of Ireland
B14 Skagerrak
N1 Viking
N2 N. Utsira
N3 S. Utsira
N4 Fladen
N8 Dogger
N9 Fisker
N10 Tyskebukta

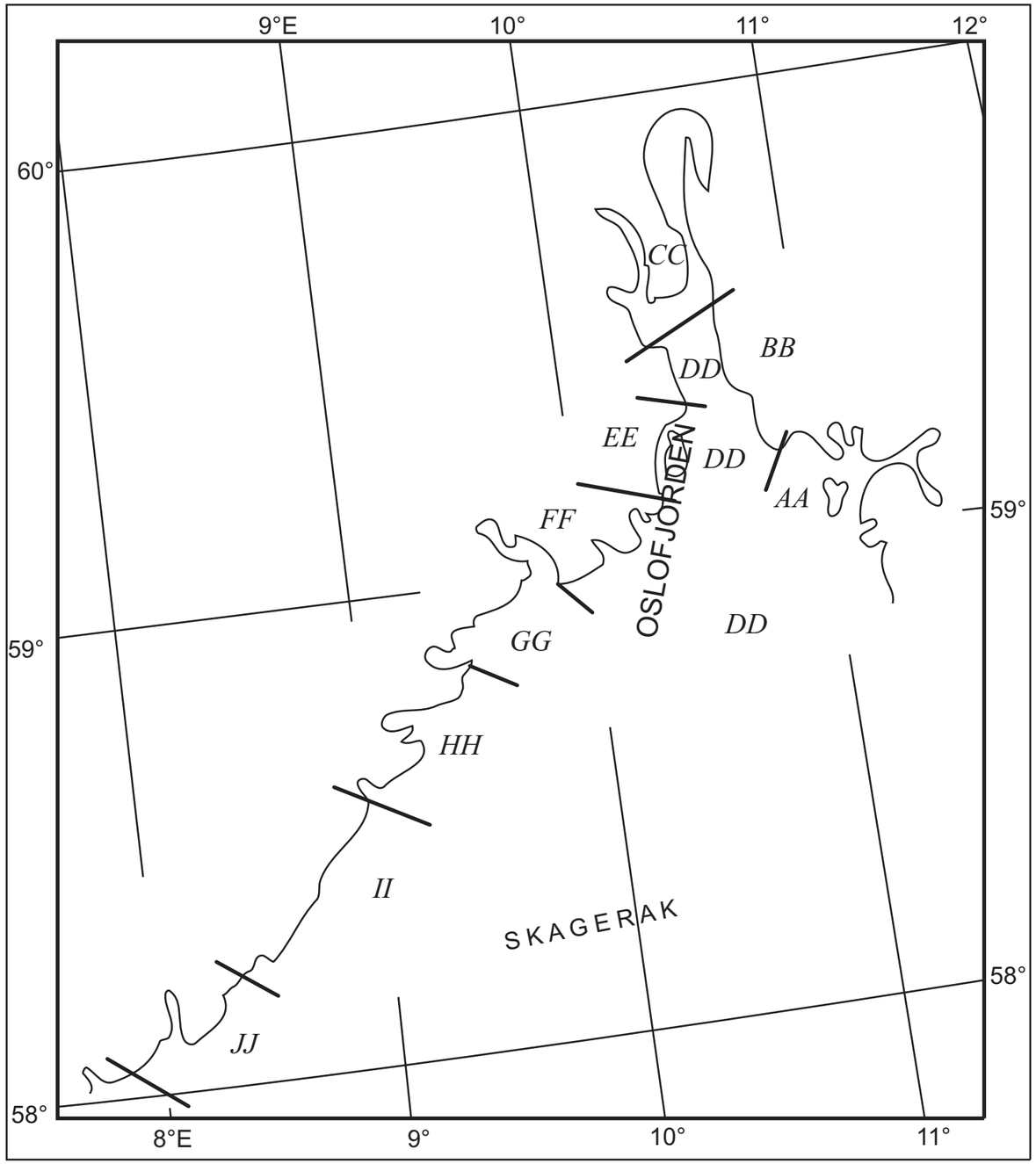


Norway - Norvège



Norway - Norvège
Regions for ice reports

AA:
1 Sekken (Halden) 2 Singlefjorden (Halden) 3 Svinesund - Halden
4 Torbjørnskjaer lighthouse 5 Struten lighthouse 6 Løperen (Fredrikstad)
BB:
1 Østerelva (Fredrikstad) 2 Leira (Fredrikstad) 3 Vesterelva (Fredrikstad)
4 Rauøyfjorden 5 Verlebukta - Moss 6 Mossesundet
CC:
1 Oslo - Steilene - Spro beacon 2 Spro beacon - Fagerstrand - Drøbak 3 Drøbak - Filtvet lighthouse
4 Filtvet lighthouse - Gullholmen lighthouse 5 Drammensfjorden 6 Briangen (north of Horten)
DD:
1 Langgrunnen (Horten) 2 Gullholmen lighthouse - Mefjordbåen 3 Mefjordbåen - Fulehuk lighthouse
4 Fulehuk lighthouse - Faerder lighthouse 5 To the west of Faerder lighthouse 6 South of Faerder
EE:
1 Torgersøygapet (Tønsberg) 2 Husøysund - Tønsberg channel 3 Tønsberg inner harbour
4 Vestfjorden (Tønsberg) 5 Leisteinsløpet 6 Vrengen
FF:
1 Tjømekjaela 2 Sanderfjorden (Sandefjord) 3 Inside Svenner lighthouse
4 Off Svenner lighthouse 5 Larviksfjorden (Stavern - Larvik) 6 Langesundsbukta
GG 1 Breviksfjorden 2 Frierfjorden (Porsgrunn, Skien) 3 Jomfrulandsrenna
4 Off Jomfruland 5 Skåtøysund (Kragerø) 6 Langarsund (Kragerø)
HH:
1 Kragerøjorden 2 Grønholmgapet (Risør) 3 Stanggapet (Risør)
4 Lyngørfjorden 5 Off Lyngør 6 Tvedestrandsfjorden
II:
1 Tromøysund (Arendal) 2 Galtesund (Arendal) 3 Inside Torungen lighthouse (Arendal)
4 Off Torungen lighthouse 5 Grimstad 6 Inside Homborsund lighthouse
JJ:
1 Off Homborsund lighthouse 2 Lillesand 3 Kristiansandsfjorden
4 Off Oksøy lighthouse (Kristiansand)



Poland - Pologne
Districts, fairways and harbours of Polish coastal areas for ice reports (AA-CC)

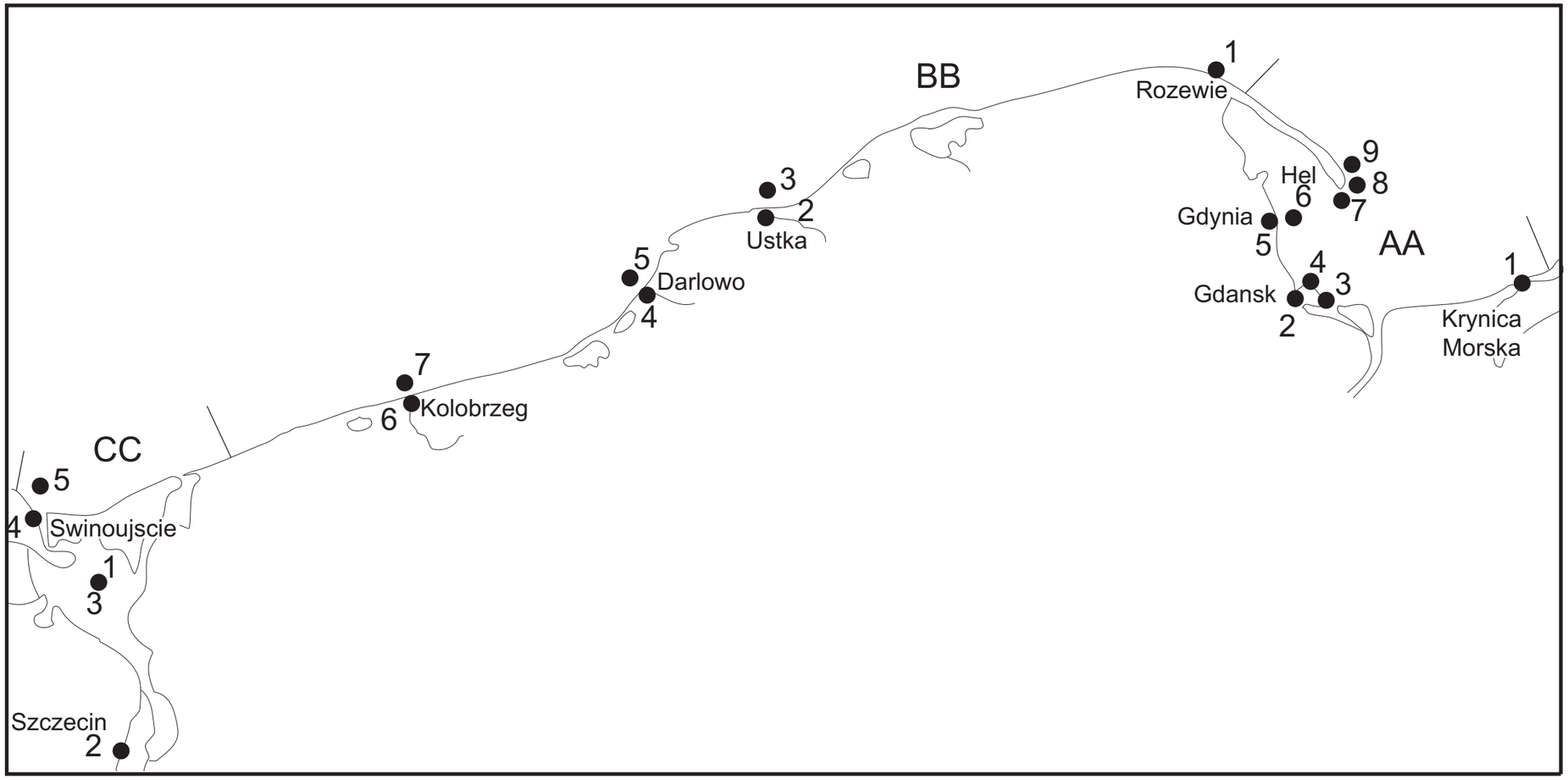
Districts, fairways and harbours of Polish coastal areas for ice reports (AA-CC)

Regions for Ice Reports (AA-CC):

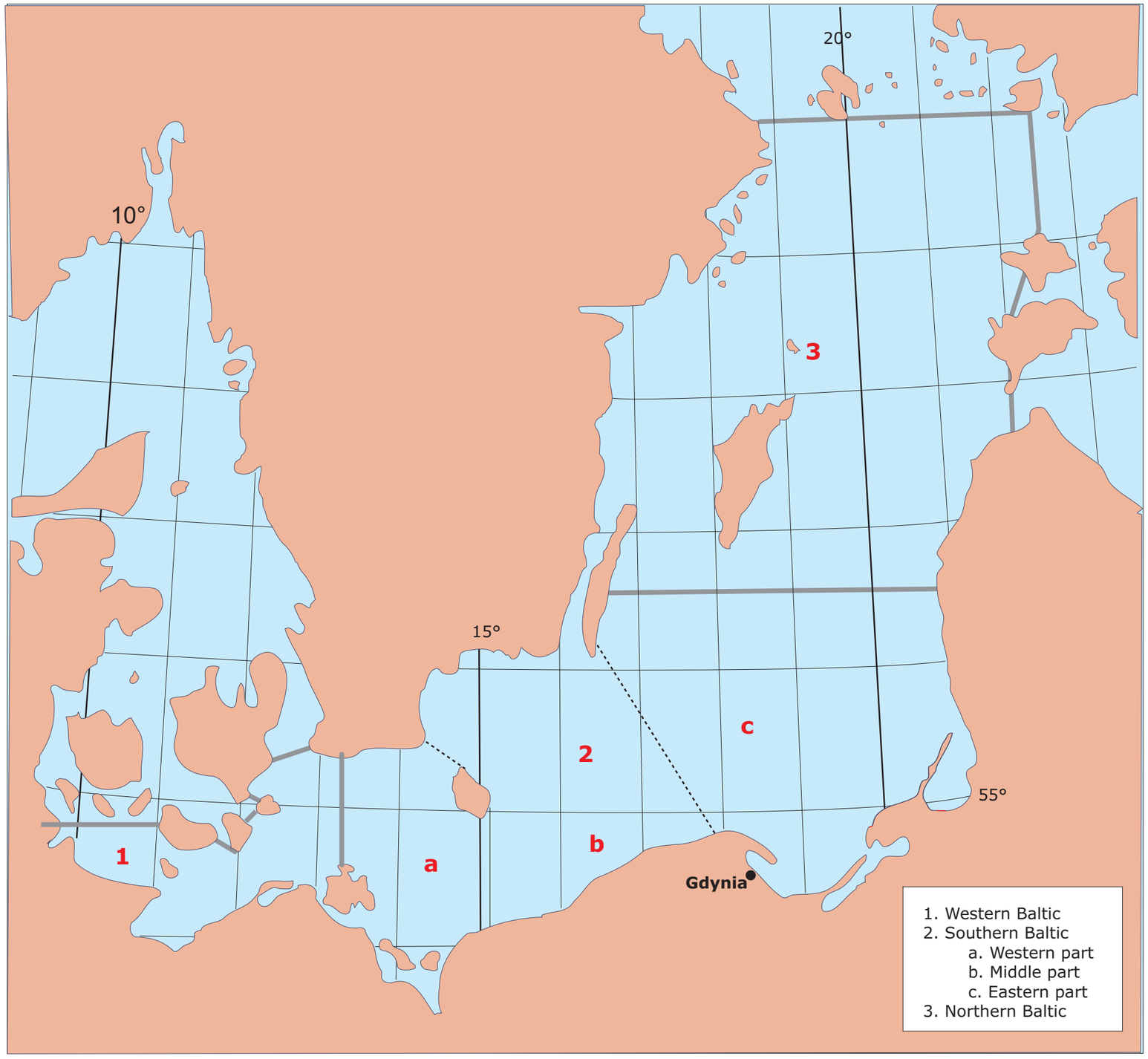
AA
1 Sea area off Krynica Morska
2 Gdansk harbour
3 Gdansk-Port Polnocny harbour
4 Sea area off Gdansk
5 Gdynia harbour
6 Sea area off Gdynia
7 Sea area S of Hel
8 Sea area E of Hel
9 Sea area N of Hel

BB
1 Sea area off Rozewie
2 Ustka harbour
3 Sea area off Ustka
4 Darlowo harbour
5 Sea area off Darlowo
6 Kolobrzeg harbour
7 Sea area off Kolobrzeg

CC
1 Firth of Szczecin
2 Szczecin harbour
3 Fairway Swinoujscie-Szczecin
4 Swinoujscie harbour
5 Sea area off Swinoujscie



Poland - Pologne
Weather Forecast Areas



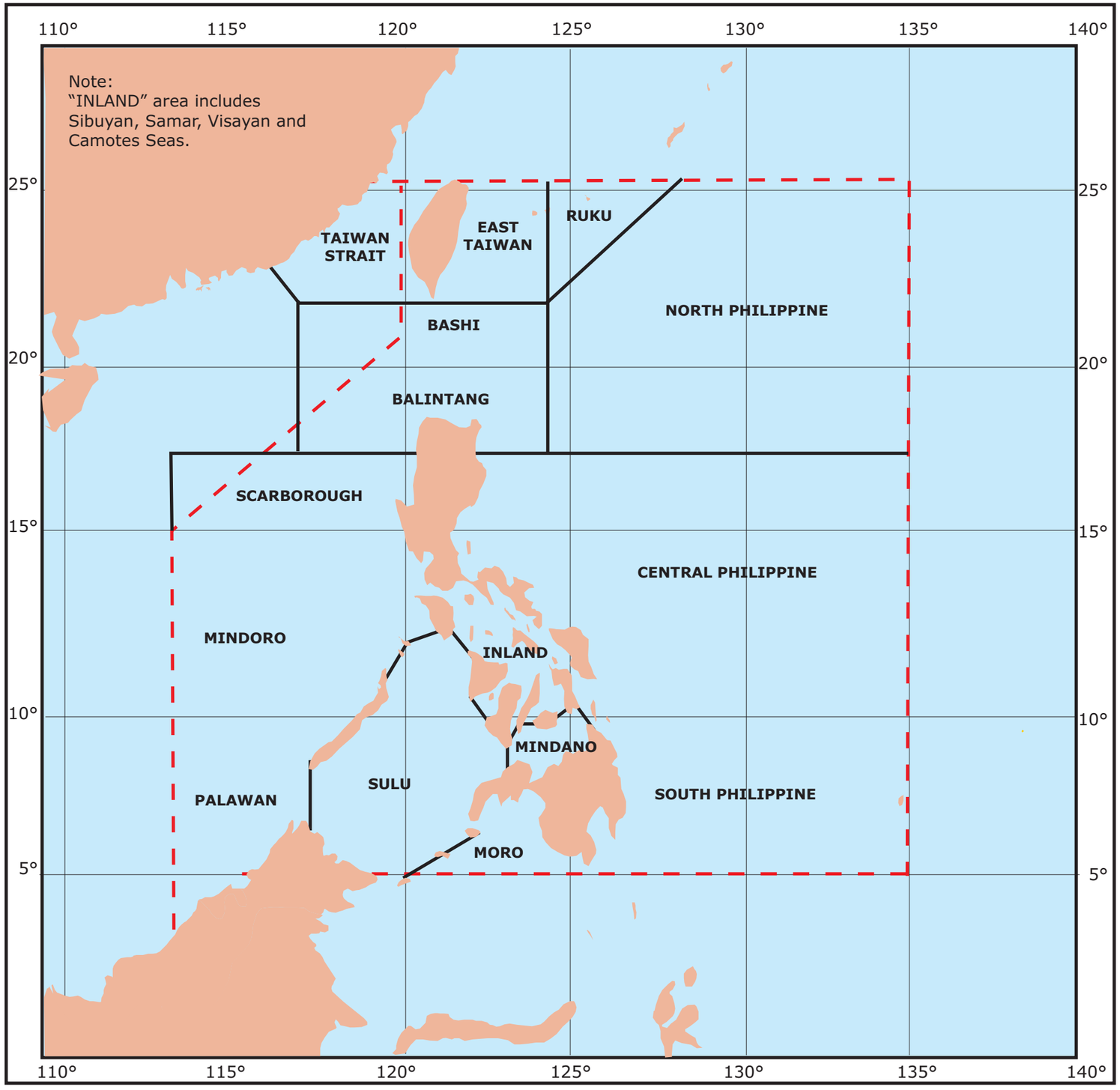
PORTUGAL - PORTUGAL
AZORES (PORTUGAL) - AÇORES (PORTUGAL)
Weather Forecast Areas

NOTES:

(1) Blue Areas – Bulletin to Portugal Continental
Red Areas – Bulletin to Madeira Islands
Green and Purple Areas – Bulletin to Azores Islands

(2) The purple Areas are out of METAREA II,
but they are included in the
Bulletin to Azores Islands

Philippines Forecast Areas

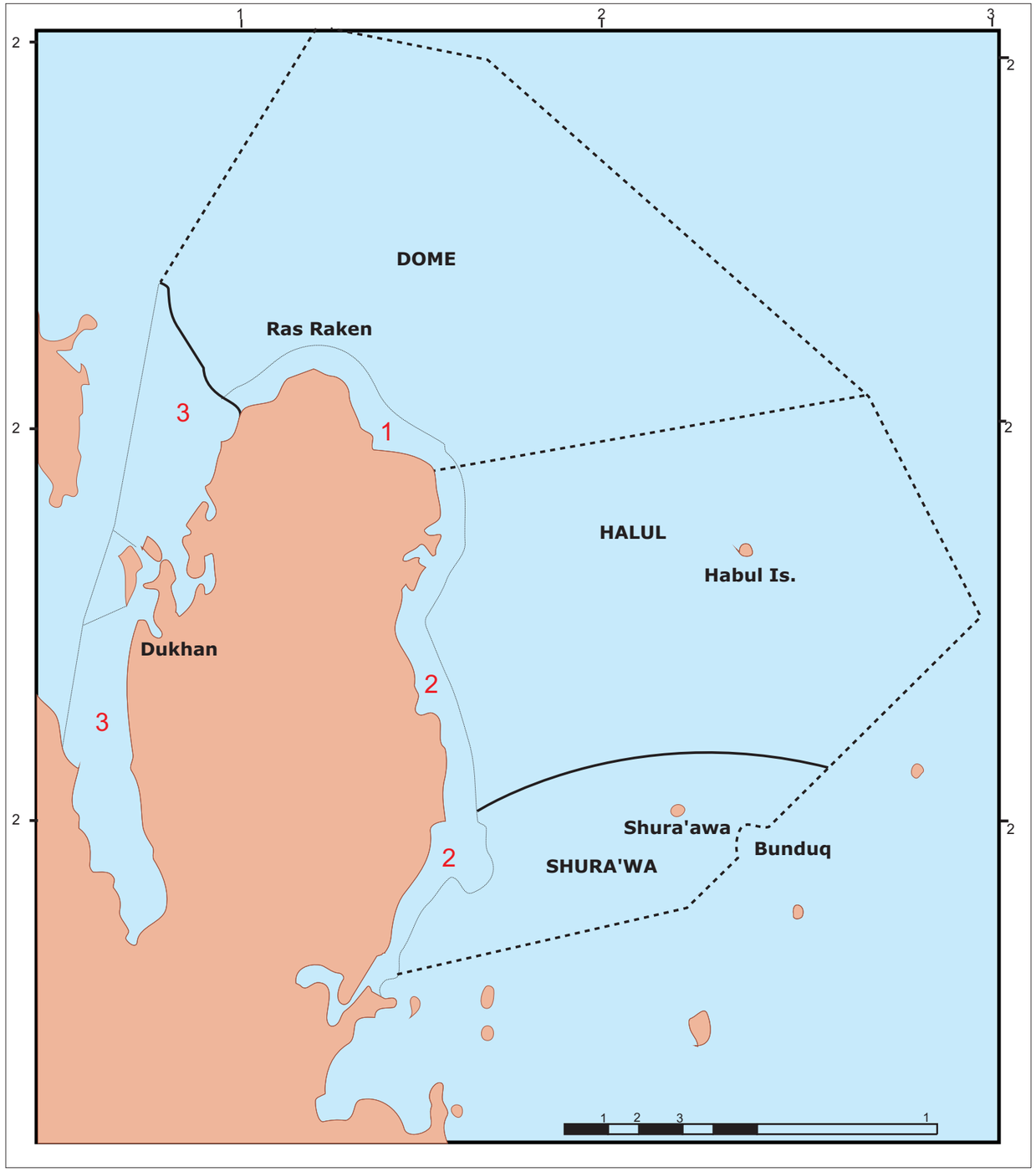


Qatar
Coastal Forecast Areas

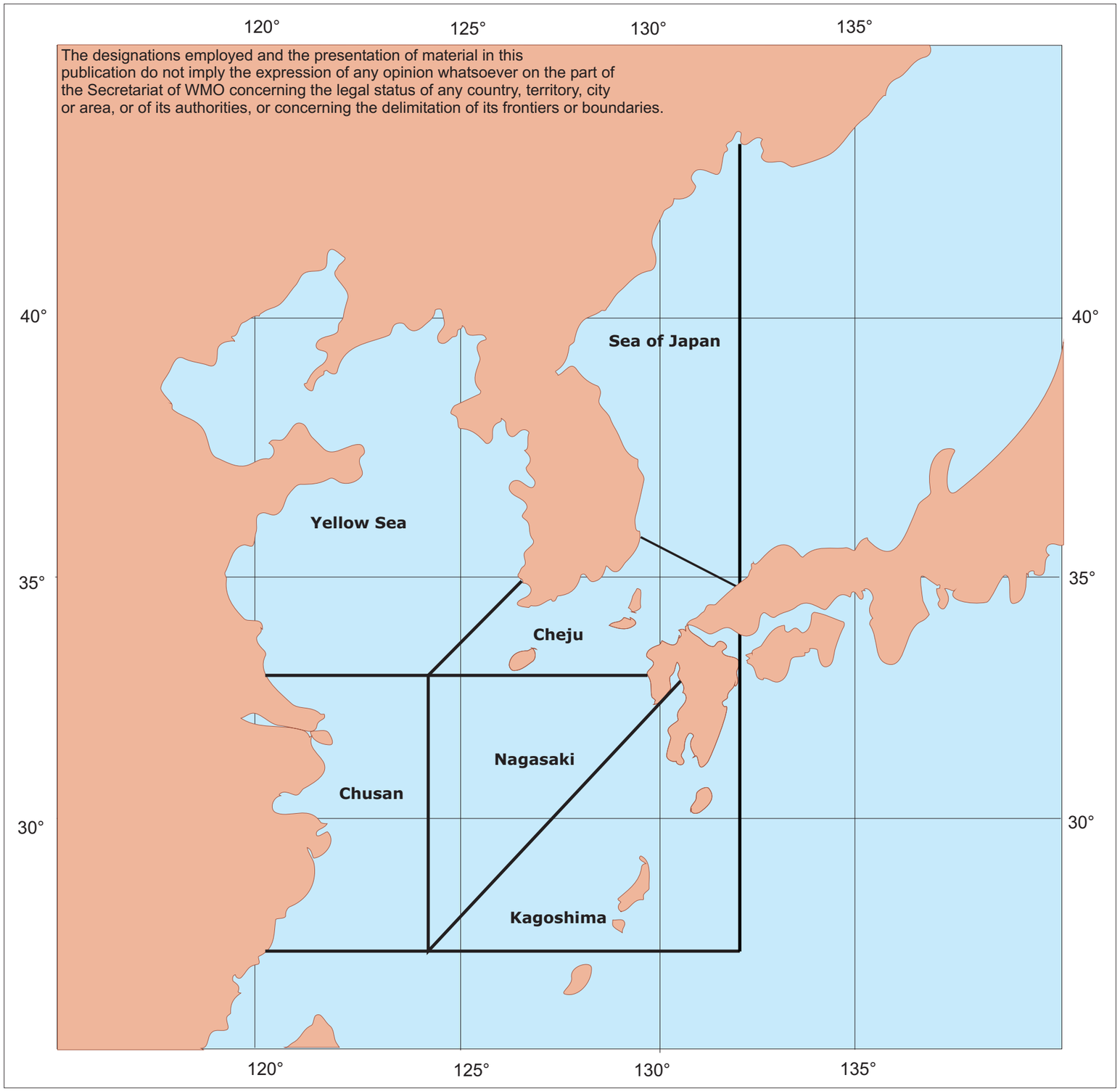
NOTE:

This map shows offshore forecast areas delineated by pecked lines. These lines are arbitrary median lines and do not denote any international boundaries.

KEY:
1 Inshore North
2 Inshore East
3 Inshore West



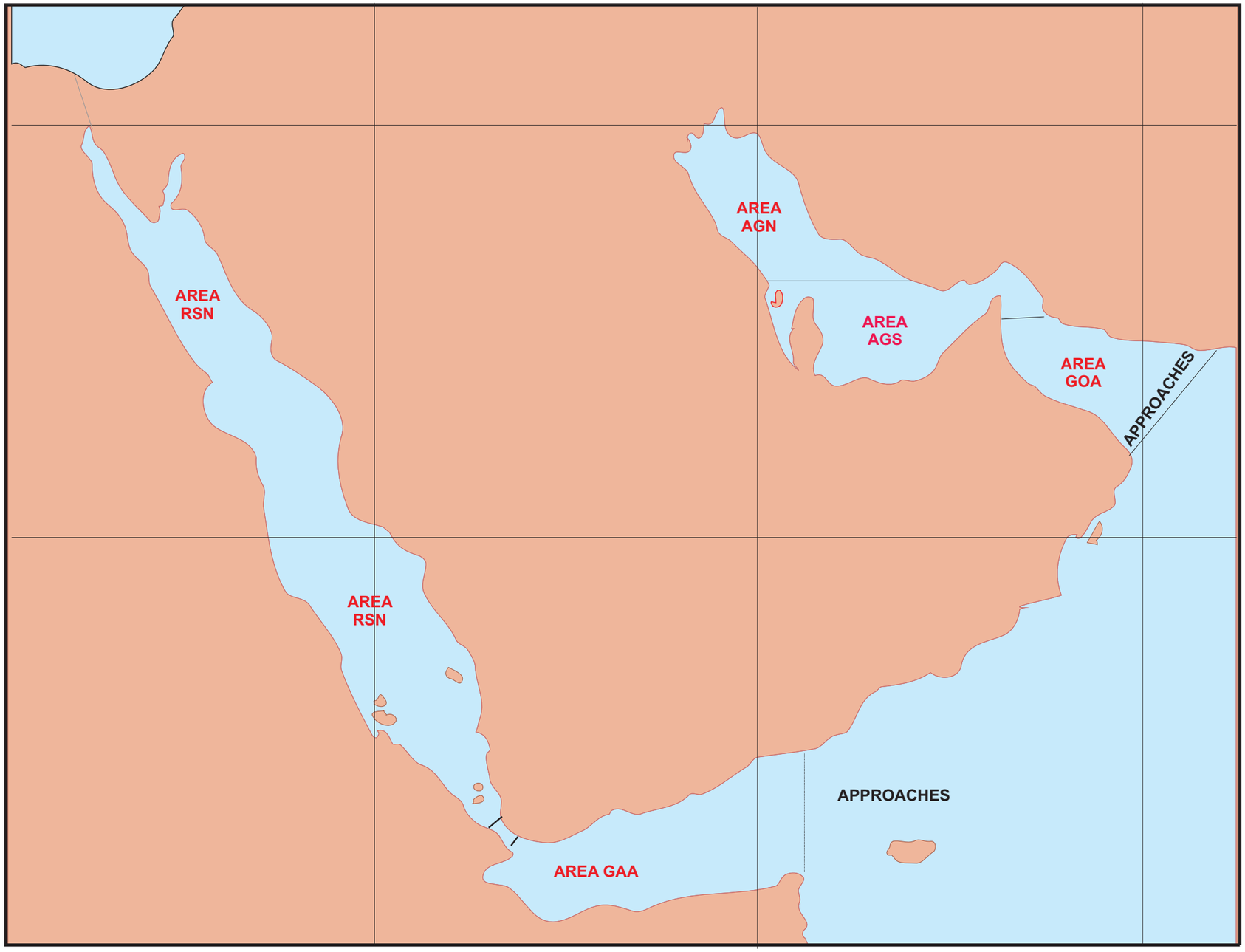
Republic of Korea - République de Corée
Weather Forecast Areas



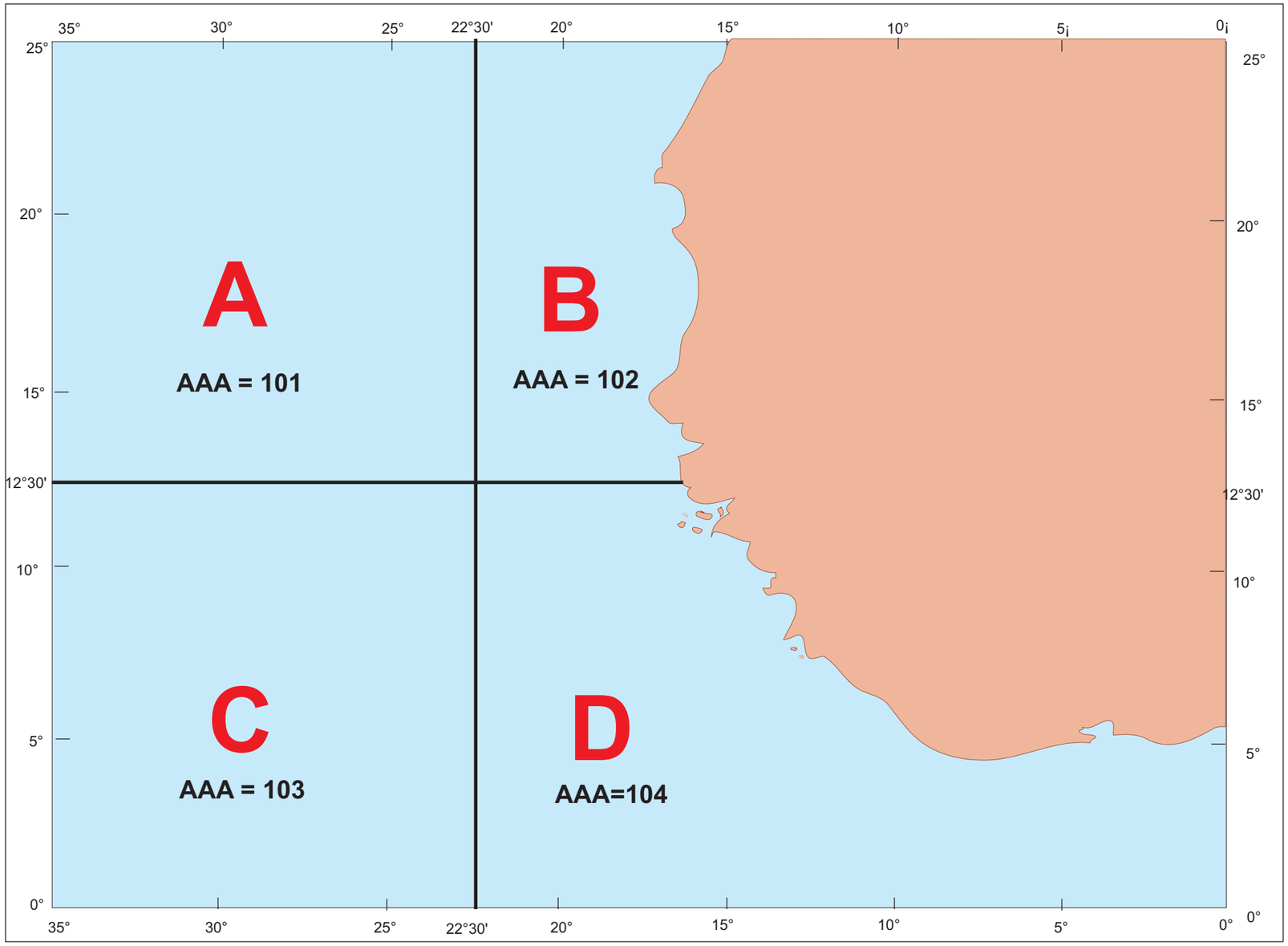
The designations employed and the presentation of material in this publication do not imply the expression of any opinion whatsoever on the part of the Secretariat of WMO concerning the legal status of any country, territory, city or area, or of its authorities, or concerning the delimitation of its frontiers or boundaries.

Saudi Arabia - Arabie Saoudite
Weather Forecast Areas

KEY:
1. Red Sea, north of 20°N - AAA=RSN
2. Red Sea, south of 20°N including the Straits of Bab Al Mandab - AAA=RSS
3. Gulf of Aden and approaches - AAA=GAA
4. Arabian Gulf North of 26.5°N - AAA=AGN
5. Arabian Gulf South of 26.5°N including the Strait of Hormuz - AAA=AGS
6. Gulf of Oman and approaches - AAA=GOA

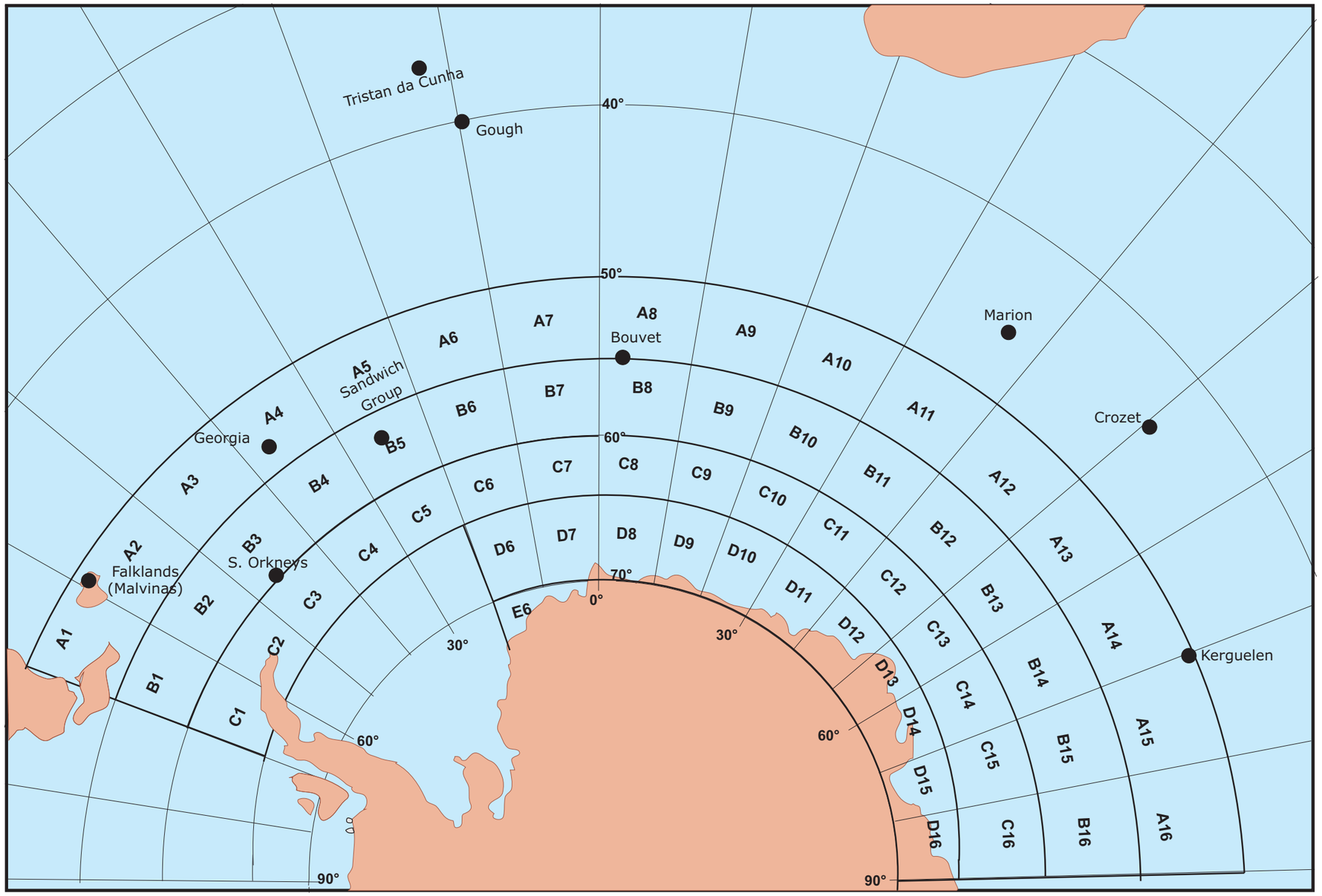


Senegal - Sénégal
Weather Forecast Areas

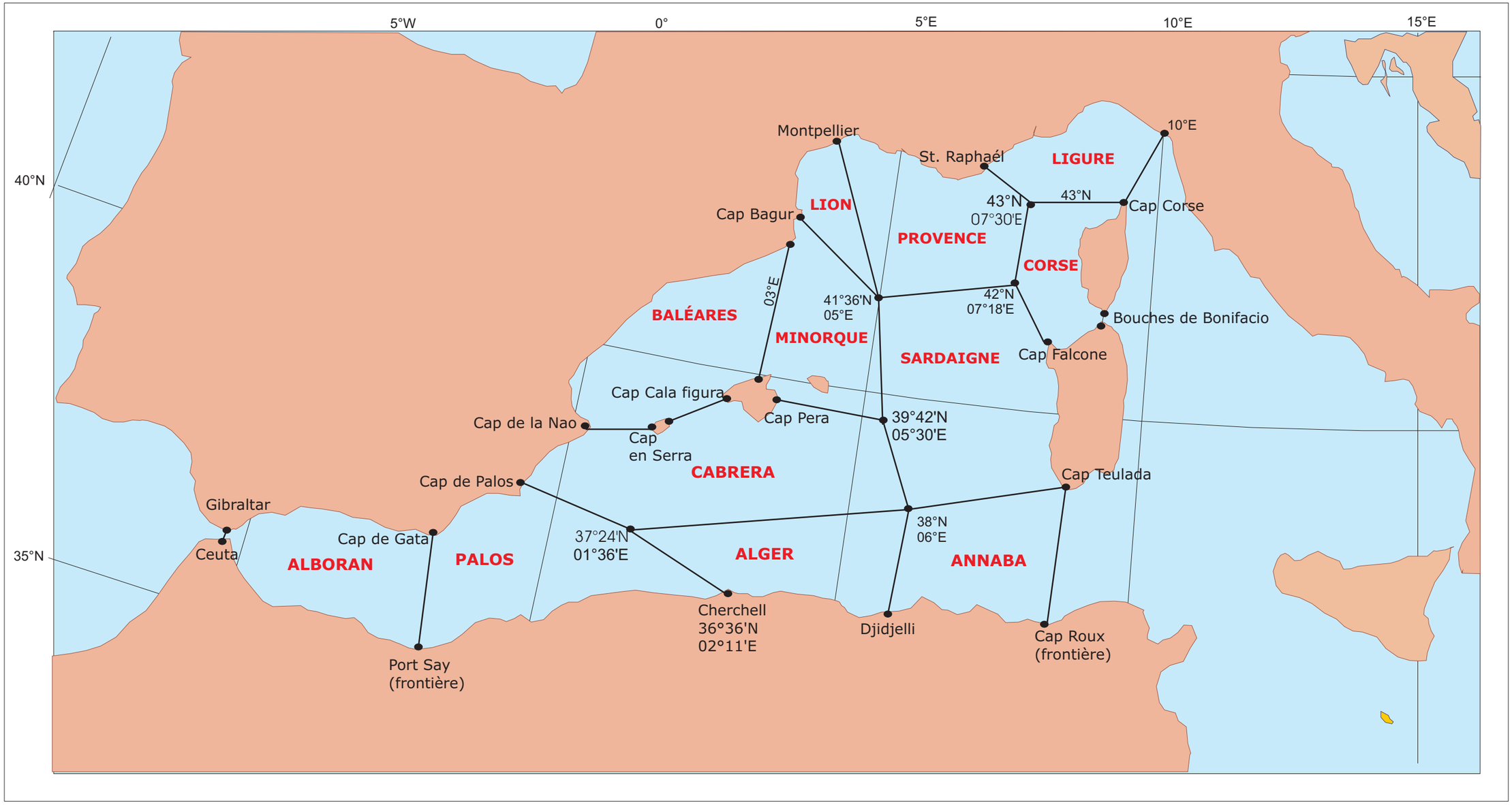


South Africa - Afrique du Sud
Antarctic Weather Forecast Areas

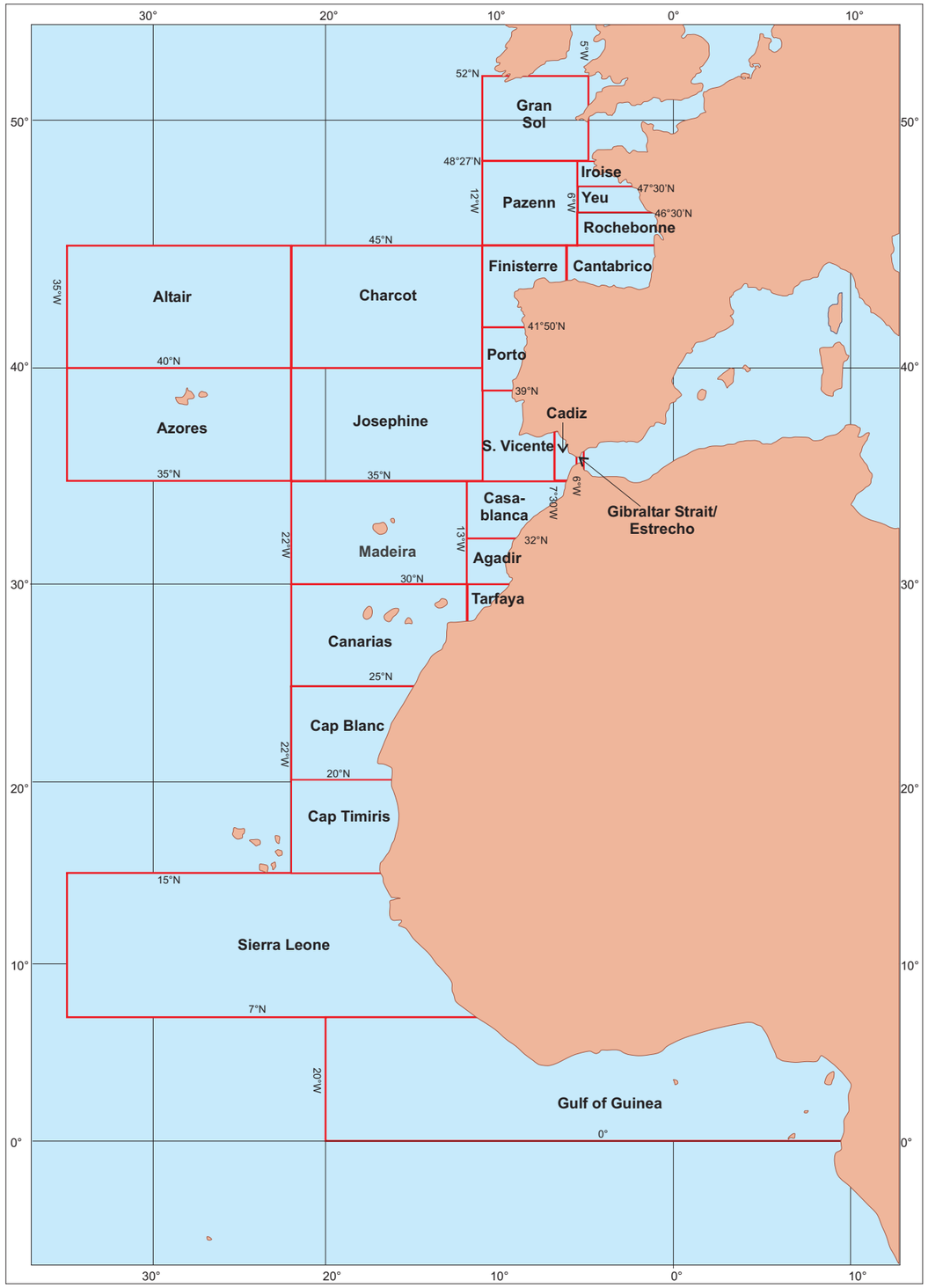
Note:
Forecast for ANTARCTIC A6 to D16 and E6 are issued only on request.



Spain - Espagne
Weather Forecast Areas (High Seas and Western part of the Mediterranean)



Spain - Espagne
Weather Forecast Areas (High Seas/Atlantic)



Sweden - Suède
Coastal Forecast and Storm Warning Areas

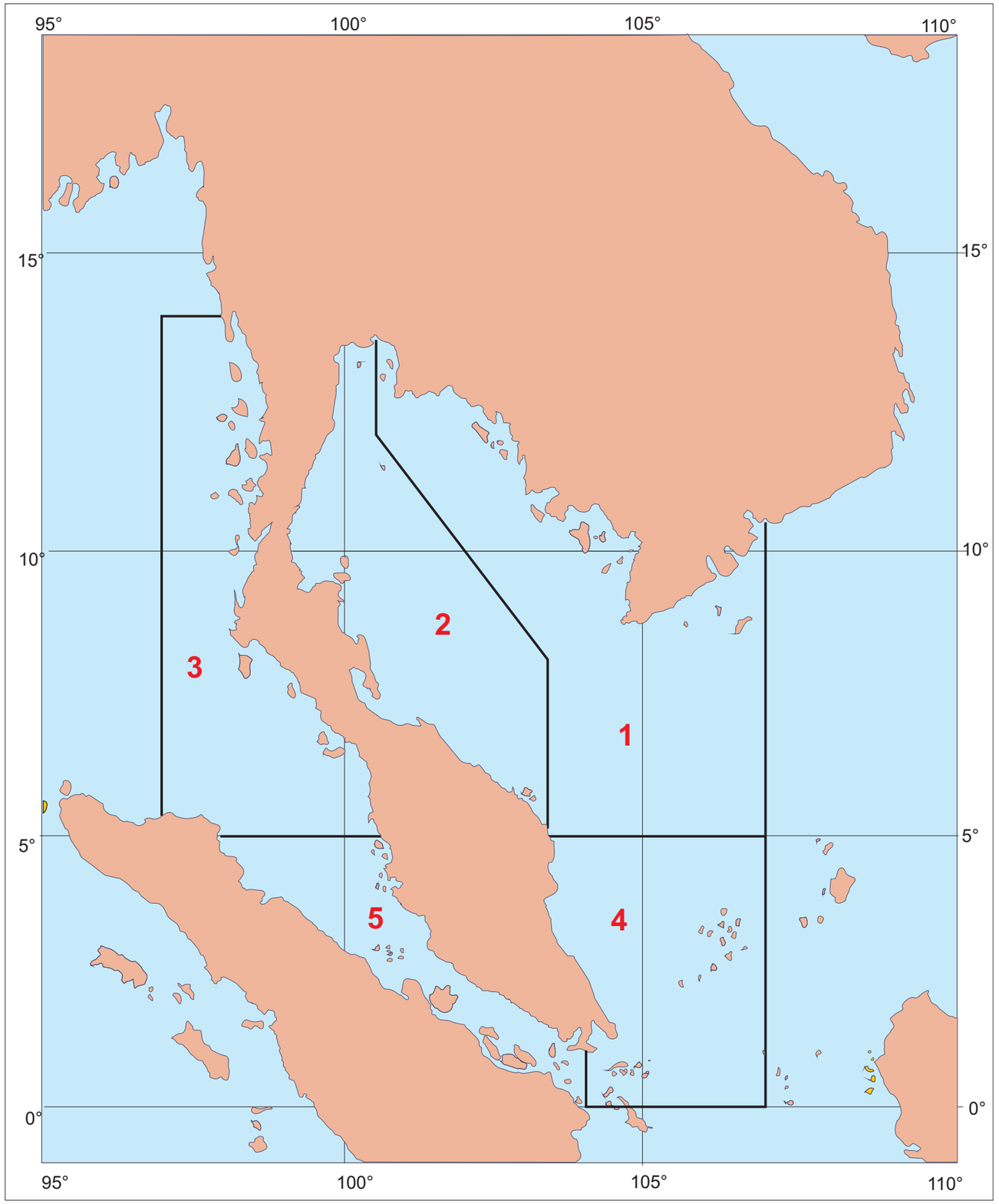
B1 Bay of Bothnia
B2 The Quark
B3 Sea of Bothnia
B4 Sea of Aaland and Archipelago
B5 Gulf of Finland
B6 Gulf of Riga
B7 Northern Baltic
B8 Central Baltic
B9 Southeastern Baltic
B10 Southern Baltic
B11 Western Baltic
B12 The Sound and the Belts
B13 Kattegat
B14 Skagerrak
B15 Lake Vaenern

N3 South Utsire
N4 Forties
N8 Dogger
N9 Fisher
N10 German Bight

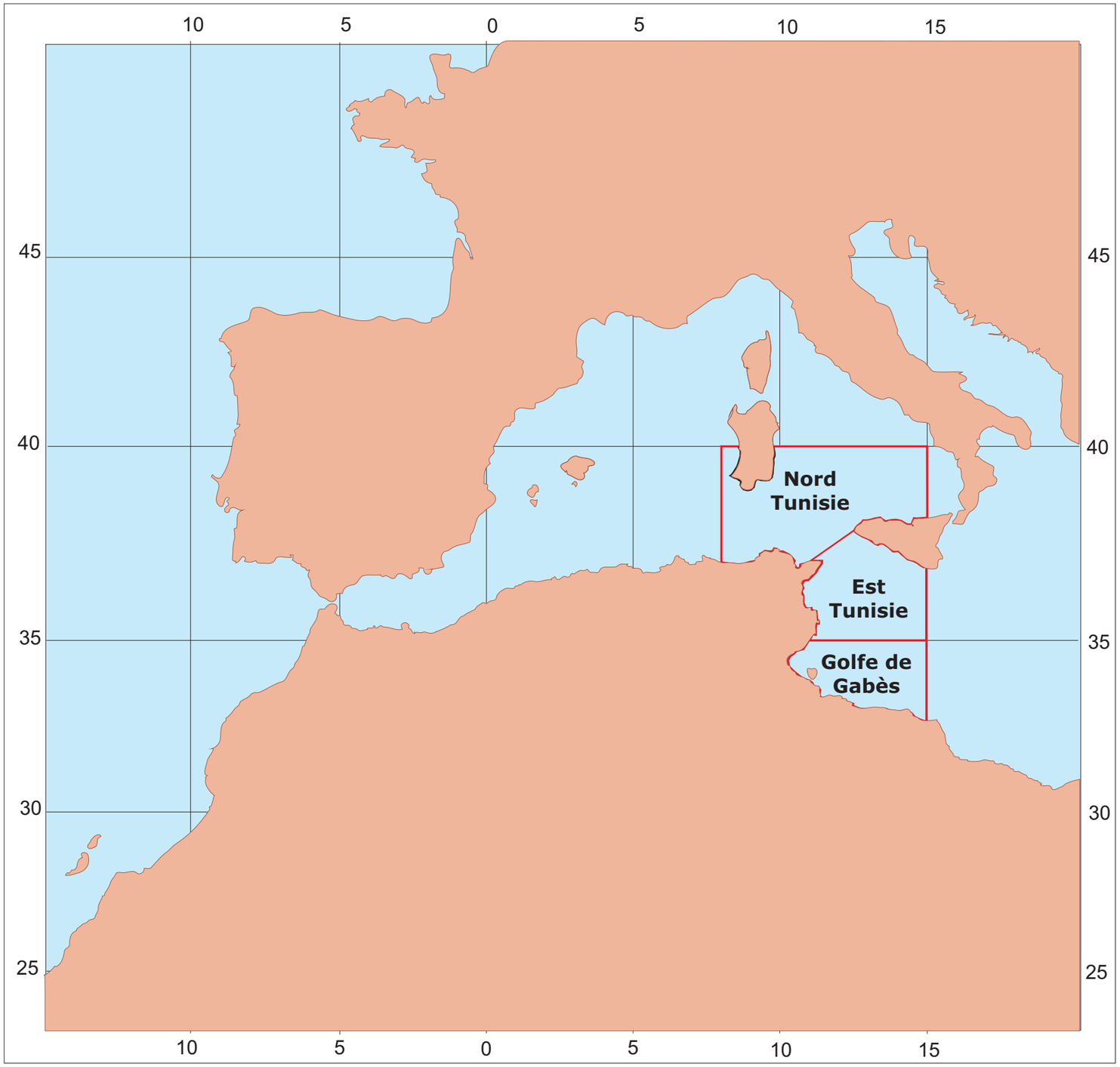
Thailand - Thaïlande

Forecast areas

KEY:
Division of forecasting areas:
Area 1:
Gulf of Thailand East coast to latitude 5°N and longitude 107°E.
Area 2
Gulf of Thailand West coast to latitude 5°N
Area 3:
West coast of Southern Myanmar below latitude 14°N and West coast of Southern Thailand to latitude 5°N.
Area 4:
East coast of the Malay Peninsula from latitude 5°N to the Equator.
Area 5:
The Strait of Malacca.



Tunisia - Tunisie
Coastal Shipping and Fishing Areas

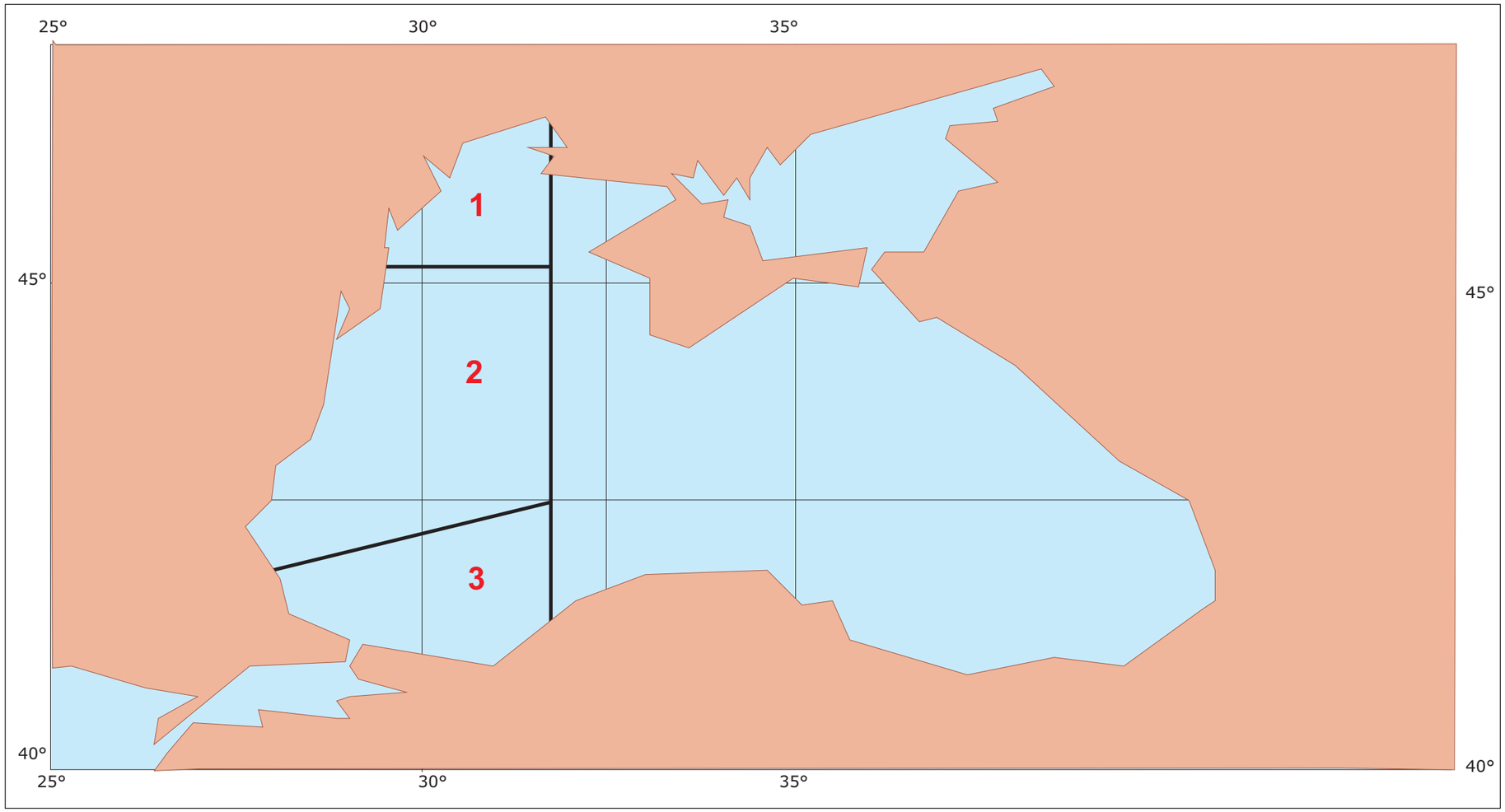


TURKEY - TURQUIE

Weather Forecast Areas (FLEET FORECAST AREAS)

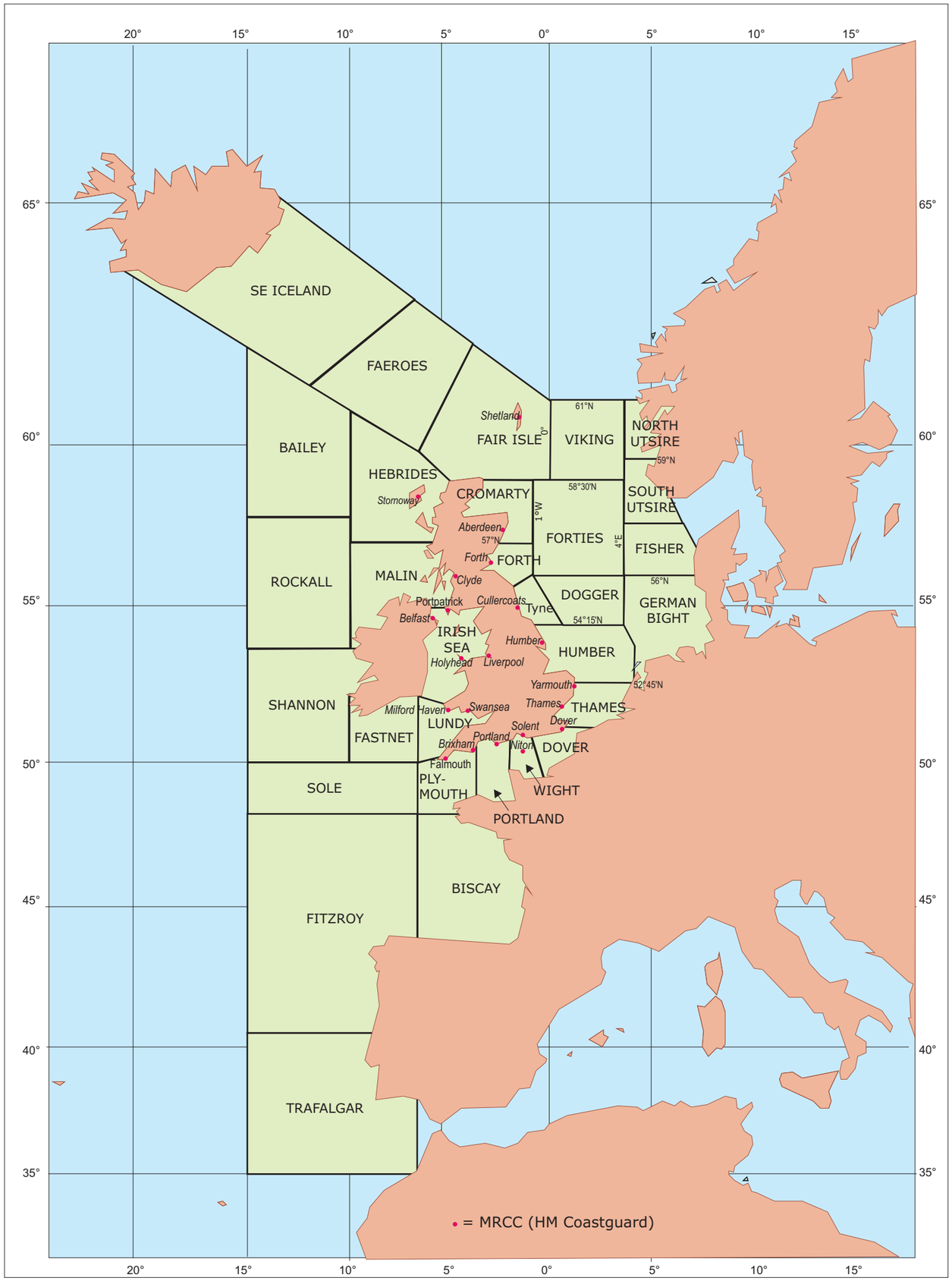
UKRAINE
WESTERN BLACK SEA

Forecast Areas



UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND
ROYAUME-UNI DE GRANDE-BRETAGNE ET D'IRLANDE DU NORD

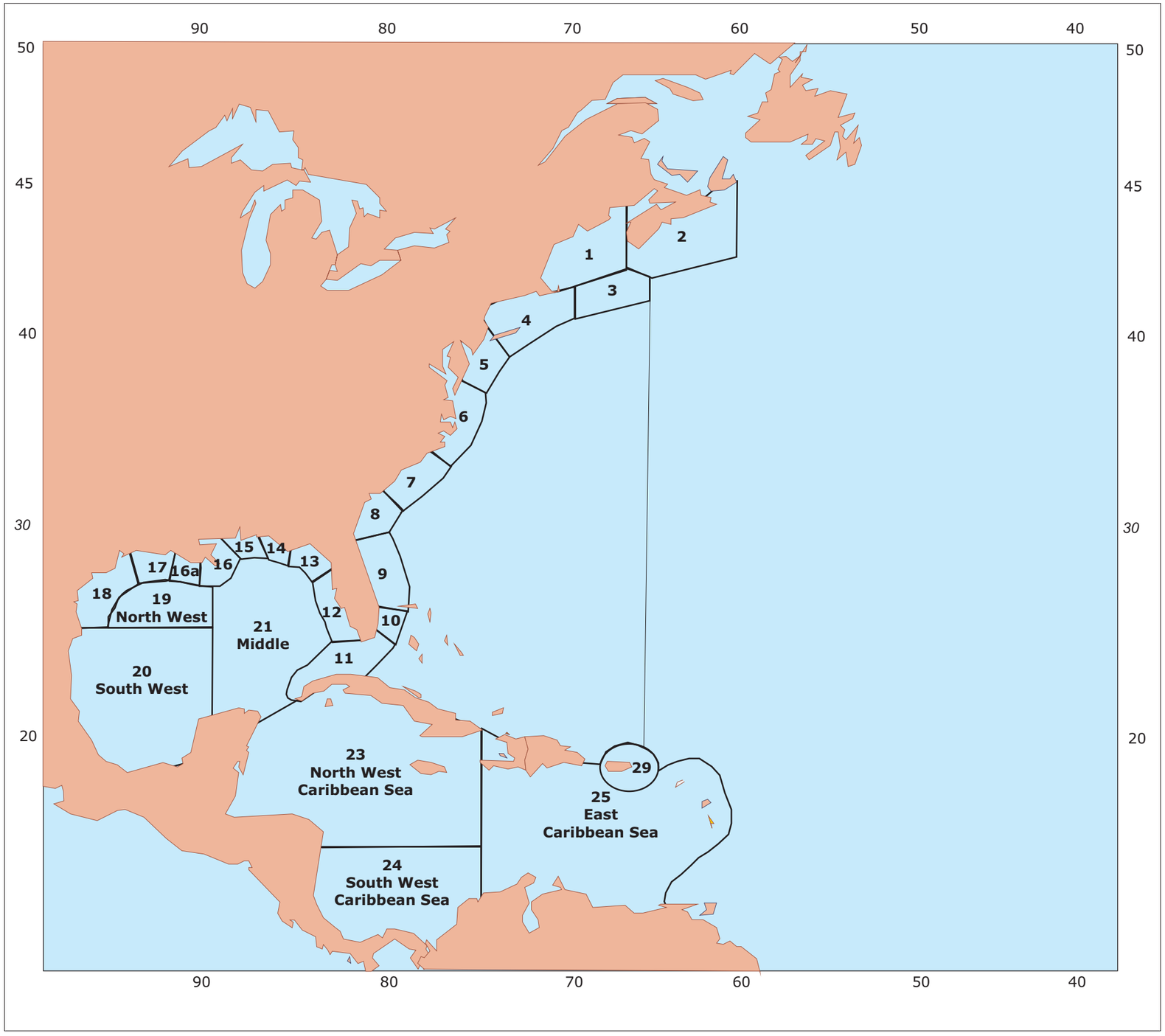
Weather Forecast Areas
1 February 2008



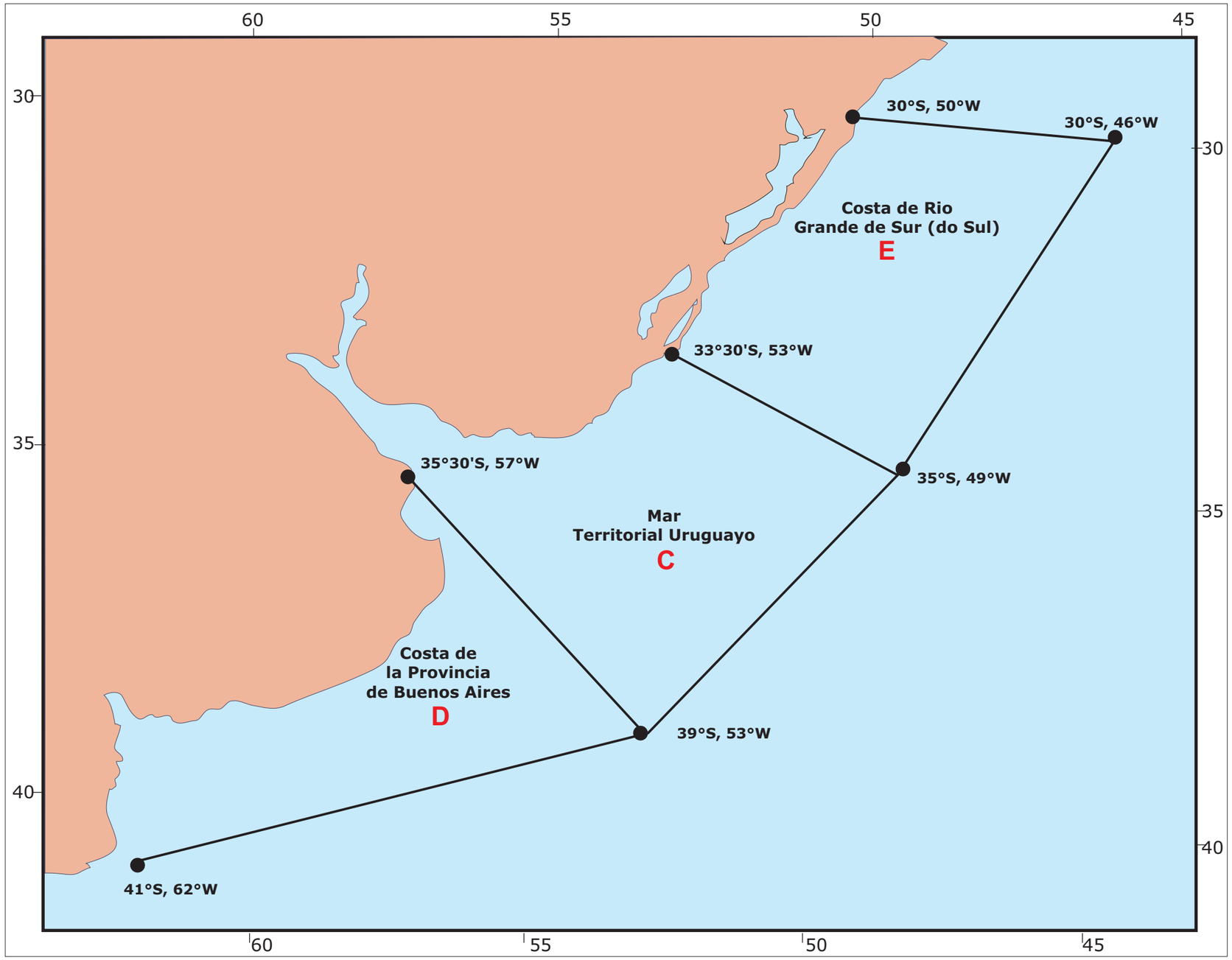
UNITED STATES OF AMERICA
ÉTATS-UNIS D'AMERIQUE

Atlantic and Gulf Coast
Forecast Areas

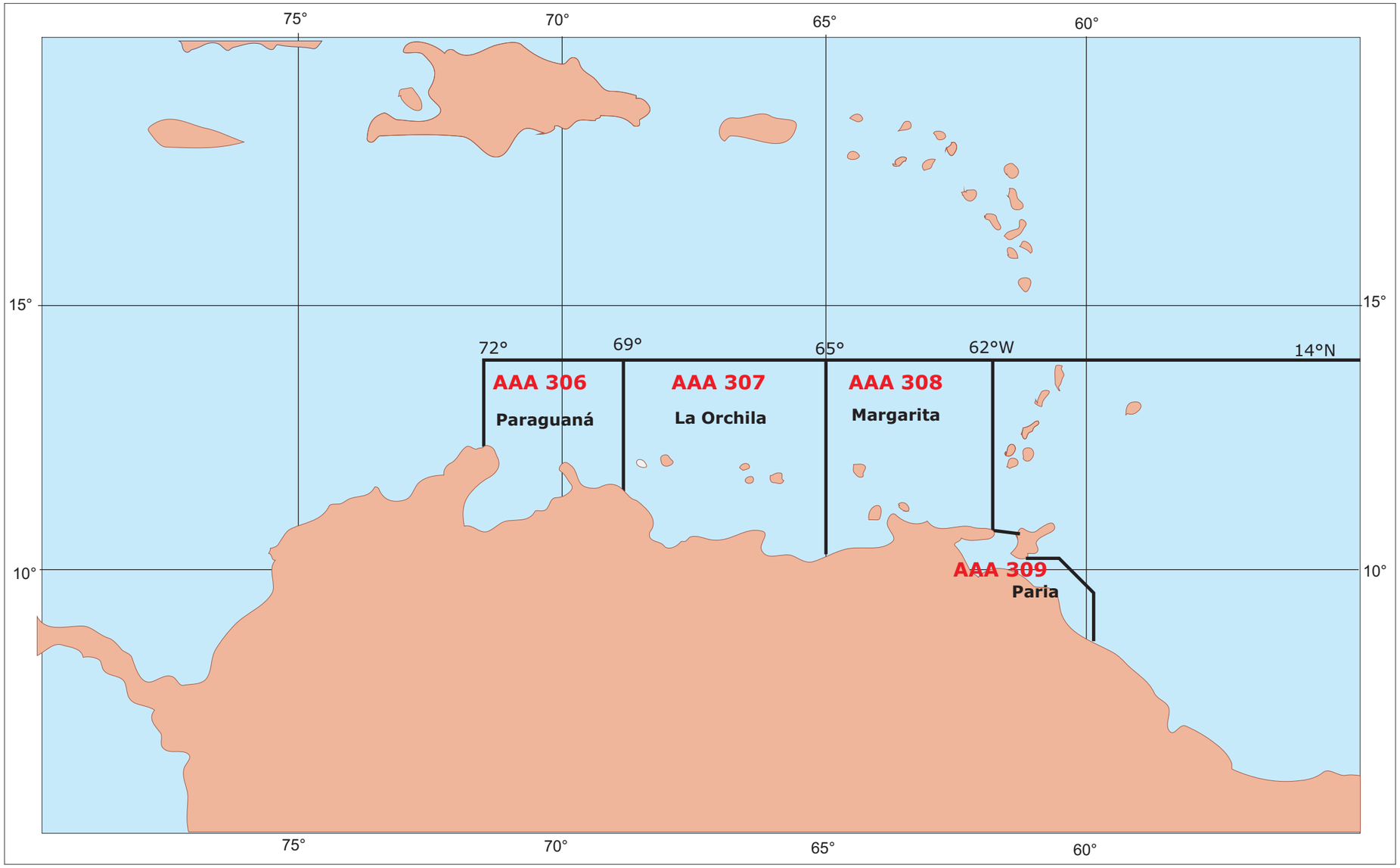
1 Gulf of Maine
2 South of Nova Scotia
3 George's Bank
4 South of New England
5 Hudson Canyon to Baltimore Canyon
6 Baltimore Canyon to Hatteras Canyon
7 Hatteras Canyon to Blake Ridge
8 Savannah to S. Augustine
9 S. Augustine to Jupiter Inlet
10 Jupiter Inlet to Key Largo
11 Key Largo to Dry Tortugas
12 Cape Sable to Tarpon Springs
13 Tarpon Springs to Apalachicola
14 Apalachicola to Pensacola
15 Pensacola to Gulfport
16 Mississippi River to Intracoastal City
16a Intracoastal City to Port Arthur
17 Port Arthur to Port O'Connor
18 Port O'Connor to Brownsville
20 Puerto Rico and (US) Virgin Islands



URUGUAY
Weather Forecast Areas



VENEZUELA
Forecast Areas



VIET NAM
Forecast Areas

CHAPTER 5

VISUAL STORM WARNING SIGNALS
SIGNAUX VISUELS D'AVIS DE TEMPÊTE

Chapter 5 - VISUAL STORM WARNING SIGNALS

1. CONTENTS

As stipulated in the International Convention for the Safety of Life at Sea (Chapter V, Regulation 4 (b) (i)), Countries concerned should display at coastal points appropriate visual storm warning signals when applicable.

WMO Technical Regulationsspecifies that any Member establishing a new visual storm warning signal system should adopt the international system.

This part contains information on the systems of visual storm warning signals adopted by the various maritime countries. Where no such signals are used, a statement to this effect is given. The contents of this part are based on official notifications from the countries concerned.

Annex I - International System of Visual Storm Warning Signals

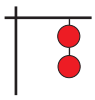
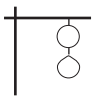
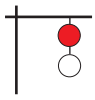
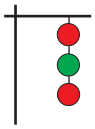
Annex II - National Systems of Visual Storm Warning Signals (Day Signals)

Annex III - National Systems of Visual Storm Warning Signals (NightSignals)

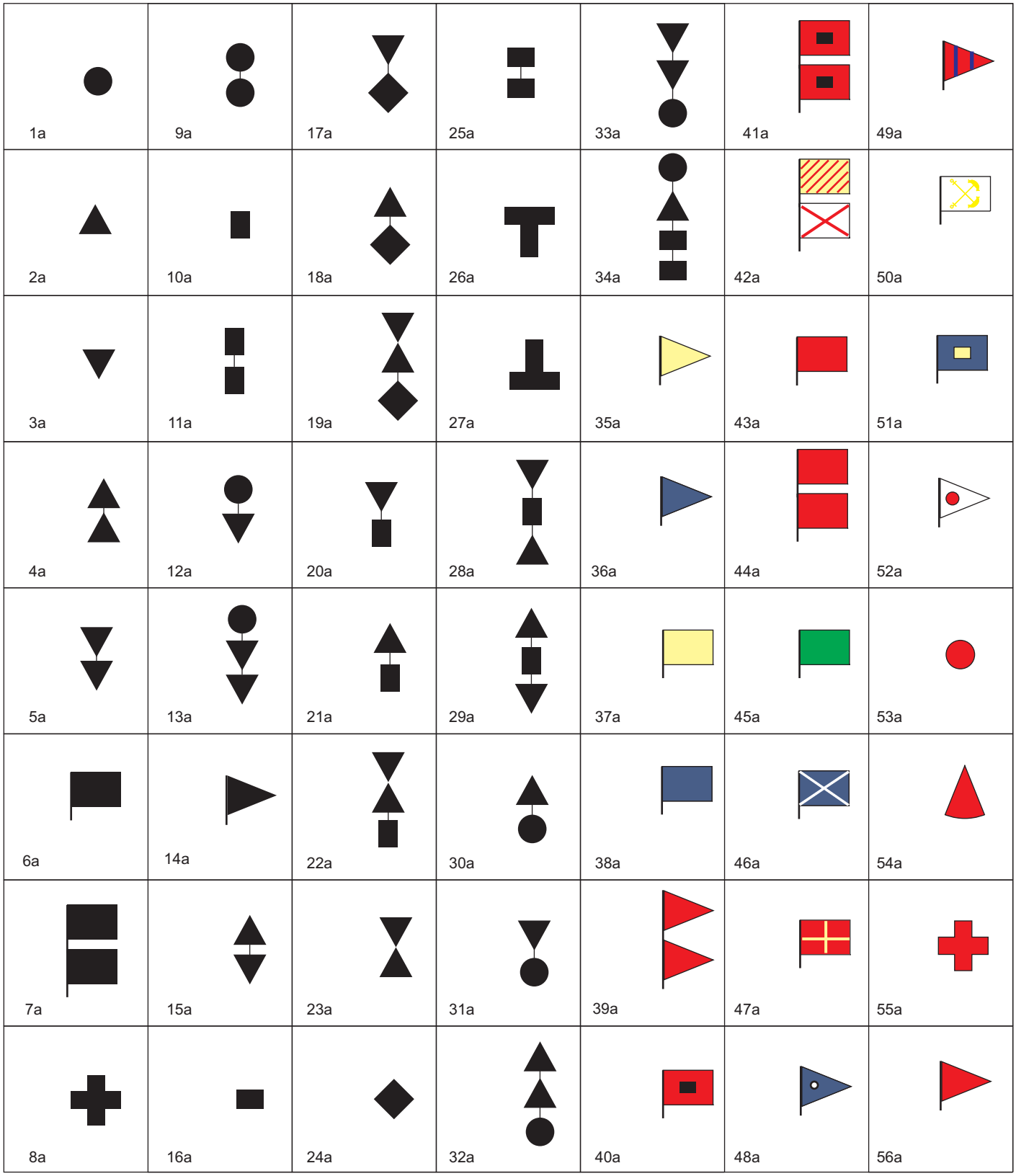
2. LAYOUT

Each country is arranged in alphabetical order according to their English names.

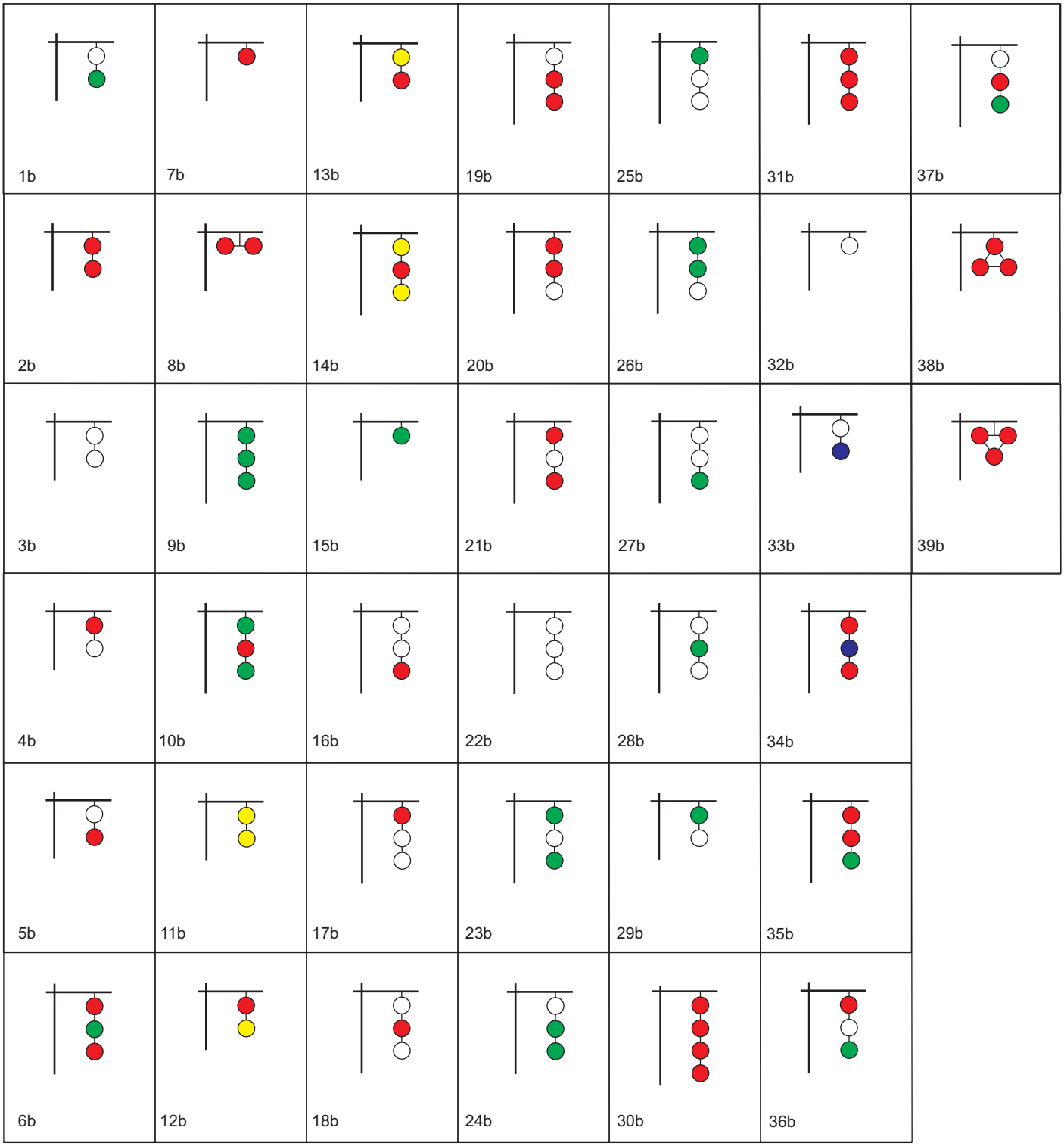
Annex I
INTERNATIONAL SYSTEM OF VISUAL STORM WARNING SIGNALS

Day signals Signaux de jour	Description of wind force Déscription de la force du vent	Night signals Signaux de nuit	Remarks Remarques
●	Near gale any direction. / Grand frais toute direction		This signal applies to wind force 7 Beaufort (28-33 kt) (see Note 3). / Ce signal s'applique au vent de force Beaufort 7 (28-33 oeuds) (voir la Note 3).
▲	Gale or storm commencing in the NW quadrant./ Coup de vent ou tempête commençant dans le quadrant NW.		This cone applies to winds of force 8 Beaufort (34-40 kt) or more (see Note 4). / Ce cône représente les vents de force Beaufort 8 (34-40 nÏuds) ou au-delà (voir la Note 4).
▼	Gale or storm commencing in the SW quadrant./ Coup de vent ou tempête commençant dans le quadrant SW.		This cone applies to winds of force 8 Beaufort (34-40 kt) or more (see Note 4). / Ce cône représente les vents de force Beaufort 8 (34-40 noeuds) ou au-delà (voir la Note 4).
▲ ▲	Gale or storm commencing in the NE quadrant. / Coup de vent ou tempête commençant dans le quadrant NE.		This cone applies to winds of force 8 Beaufort (34-40 kt) or more (see Note 4). / Ce cône représente les vents de force Beaufort 8 (34-40 Noeuds) ou au-delà (voir la Note 4).
▼ ▼	Gale or storm commencing in the SE quadrant./ Coup de vent ou tempête commençant dans le quadrant SE.		This cone applies to winds of force 8 Beaufort (34-40 kt) or more (see Note 4). / Ce cône représente les vents de force Beaufort 8 (34-40 noeuds) ou au-delà (voir la Note 4).
▬	Wind expected to veer (clockwise change in direction)./ Saute de vent (changement de direction dans le sens des aiguilles d'une montre)		Flags may be of any suitable colour./ Les pavillons peuvent être de toute couleur appropriée
▬ ▬	Wind expected to back (counter-clockwise change in direction)./ Saute de vent (changement de direction dans le sens contraire des aiguilles d'une montre).		Flags may be of any suitable colour./ Les pavillons peuvent être de toute couleur
✚	Hurricane (or local synonym) with wind of force 12 Beaufort (64 kt and above) from any direction./ Ouragan (ou synonyme local) avec vent de force Beaufort 12 (64 noeuds et plus) dans toute direction.		

Annex II
NATIONAL SYSTEMS OF VISUAL STORM WARNING SIGNALS (DAY SIGNALS)



Annex III
NATIONAL SYSTEMS OF VISUAL STORM WARNING SIGNALS (NIGHT SIGNALS)



SIGNALS Day	SIGNALS Night	Specifications Remarks

ANGOLA

See International Visual Storm Warning Signals.

ANTIGUA AND BARBUDA

40a	40a	Tropical disturbance reported; likely to affect the island. Signals used in Antigua.
41a	41a	Hurricane warning. Danger expected. Signals used in Antigua.

ARGENTINA

No visual storm warning signals at present (the use of the international system is planned).

AUSTRALIA

* At present there is no national system of visual storm warning signals in general use in Australia.
The control of the various major shipping ports in Australia is vested in various State and Local Authorities, some of whom exhibit local signals.

AZORES (PORTUGAL)

15a	15a	Hurricane

BANGLADESH

2a+	2a+	III. Danger Signal Number Three. A storm (of gale force associated sustained winds 39-54 m.p.h. (34-47 knots)) will soon strike you. All vessels are to seek shelter immediately. These signals are used for river ports, river and police stations in Bangladesh.
10a*	10a*	II. Distant Warning Signal Number Two. A storm has formed (cyclonic storm with surface winds 39-54 m.p.h. (34-47 knots)) These signals indicate that ships may be exposed to danger after leaving the harbour.
3a*	3a*	III. Local Cautionary Signal Number Three. The port is threatened by squally weather (cyclonic circulation with surface winds 25-31 m.p.h. (22-27 knots)) or squalls due to Nor'Westers) These signals indicate that the port itself and the ships in it are in danger.
2a*	2a*	IV. Local Warning Signal Number Four. The port is threatened by a storm, but it does not appear that the danger is as yet sufficiently great to justify extreme measures of precaution (cyclonic circulation with surface winds 32-38 m.p.h. (28-33 knots)) These signals indicate that the port itself and the ships in it are in danger.
17a*	17a*	V. Danger Signal Number Five. The port will experience severe weather from a storm, of slight or moderate intensity, that is expected to cross the coast to the south of the port (to the east of the port in case of Chalna) (cyclonic storm with surface winds 39-54 m.p.h. (34-47 knots)) These signals indicate that the port itself and the ships in it are in danger.
18a*	18a*	VI. Danger Signal Number Six. The port will experience severe weather from a storm, of slight or moderate intensity, that is expected to cross the coast to the north of the port (to the west of the port in case of Chalna) (wind speed same as in Signal No. V) These signals indicate that the port itself and the ships in it are in danger.
19a*	19a*	VII. Danger Signal Number Seven. The port will experience severe weather from a storm, of slight or moderate intensity, that is expected to cross over or near to the port (wind speed same as in Signal No. V) These signals indicate that the port itself and the ships in it are in danger.
20a*	20a*	VIII. Great Danger Signal Number Eight. The port will experience severe weather from a storm, of great intensity, that is expected to cross the coast to the south of the port (to the east of the port in case of Chalna) (severe cyclonic storm with surface winds 55-73 m.p.h. (46-63 knots) or severe cyclonic storm of hurricane intensity with winds 74 m.p.h. (64 knots) or above)/ These signals indicate that the port itself and the ships in it are in danger.

SIGNALS Day	SIGNALS Night	Specifications Remarks
21a*	21a*	IX. Great Danger Signal Number Nine. The port will experience severe weather from a storm, of great intensity, that is expected to cross the coast to the north of the port (to the west of the port in case of Chalna) (wind speed same as in Signal No. VIII) These signals indicate that the port itself and the ships in it are in danger.
10a+	10a+	IV. Great Danger Signal Number Four. A violent storm (of whole gale force and above, associated sustained wind speed exceeding 54 m.p.h. (47 knots)) will soon strike you). All vessels continue taking shelter immediately These signals are used for river ports, river and police stations in Bangladesh.
1a+	1a+	II. Warning Signal Number Two. A storm 1 (of depression intensity, associated sustained winds not more than 38 m.p.h. (33 knots) or Nor'Wester squall (of wind speed exceeding 40 m.p.h. (35 knots) is likely to strike you (vessels of 65 feet and under in length are to seek shelter immediately). These signals are used for river ports, river and police stations in Bangladesh.
24a+	24a+	I. Cautionary Signal Number One. Your area is threatened by squally winds of a transient nature (Nor'Wester squall of wind speed not exceeding 40 m.p.h. (35 knots). Look out for further development. These signals are used for river ports, river and police stations in Bangladesh.
16a*	16a*	I. Distant Cautionary Signal Number One. There is a region of squally weather in which a storm may be forming (well marked low or depression with surface winds up to 38 m.p.h. (33 knots)) These signals indicate that ships may be exposed to danger after leaving the harbour.
23a*	23a*	XI. Failure of Communications. Communications with the Meteorological Warning Centre have broken down, and the local officer considers that there is danger of bad weather These signals indicate that the port itself and the ships in it are in danger.
22a*	22a*	X. Great Danger Signal Number Ten. The port will experience severe weather from a storm, of great intensity, that is expected to cross the coast over or near to the port (wind speed same as in Signal No. VIII) These signals indicate that the port itself and the ships in it are in danger.

* Signals meant for maritime ports.

\+ Signals meant for river ports.

BARBADOS

45a	45a	The island is out of danger. The green flag of the day signal has a white diagonal stripe.
41a	41a	Hurricane conditions are expected within 24 hours.

BELIZE

43a	43a	(i) A tropical depression moves into or develops anywhere in the quadrant south of 21°N latitude and west of 80°W longitude, OR (ii) A tropical storm or hurricane moves into or develops anywhere in the quadrant south of 21°N latitude and between longitudes 80°W and 83°W
45a	45a	The tropical depression, tropical storm or hurricane has passed or no longer poses a threat to Belize and coastal waters.
41a	41a	A tropical storm or hurricane moves into or develops anywhere in the quadrant south of 20°N latitude and west of 85°W longitude.
40a	40a	A tropical or hurricane moves into or develops anywhere in the quadrant south of 20°N latitude and between longitudes 83°W and 85°W.

BRAZIL

See International Visual Storm Warning Signals.

CAMBODIA

No visual storm warning signals at present.

CAMEROON

See International Visual Storm Warning Signals.

SIGNALS Day	SIGNALS Night	Specifications Remarks

CHILE

9a	9a	Storm
1a	1a	Bad weather
48a	48a	Variable
47a	47a	The traffic, loading and unloading of cargo are totally suspended; lighters and tugs should make fast.
46a	46a	The traffic of small craft is suspended in the bay on account of bad weather.

Note: (a) These signals correspond to the current synoptic chart.
(b) The "Bad weather" signal should be interpreted as a forecast of N'ly winds of force 4 to 7 which hinder shipping movements in the bay: this situation is already considered threatening and, accordingly, the appropriate precautionary measures should be taken.

COSTA RICA

At present there is no national or international system of visual storm warning signal in general use in Costa Rica

COTE D'IVOIRE

See International Visual Storm Warning Signals.

DJIBOUTI

See International Visual Storm Warning Signals.

EGYPT

50a	50a	Too much sea, pilot cannot go out.
5a	5a	Gale commencing with wind in the SE quadrant.
4a	4a	Gale commencing with wind in the NE quadrant.
3a	3a	Gale commencing with wind in the SW quadrant.
15a	15a	Hurricane.
2a	2a	Gale commencing with wind in the NW quadrant.

FIJI

35a	35a	Storm/hurricane alert. A tropical cyclone of storm or hurricane intensity exists and may affect the locality within 24 or 36 hours.

FRANCE

See International Visual Storm Warning Signals.

FRENCH POLYNESIA

See International Visual Storm Warning Signals.

GABON

See International Visual Storm Warning Signals.

GAMBIA

See International Visual Storm Warning Signals.

GHANA

9a	9a	Squally weather from a line-squall or thunderstorms of slight to moderate intensity are expected to affect the locality accompanied by North-East to Easterly winds. Accordingly, appropriate precautionary measures should be taken. Displays are made at signal stations on prominent buildings on the coast at Tema (05°37'N, 00°00') and Takoradi (04°45'N, 01°45'W) whenever a storm becomes a threat in the coastal sea area on the landward boundary.

Note: The Offices of the Harbour Master, Harbour Authority which operate the system are kept informed by radio or land-line telephone by the National Meteorological Services Department (Weather Forecasting and warning Services Division) when the situation is considered threatening and is likely to affect ship movements in the harbours.

SIGNALS Day	SIGNALS Night	Specifications Remarks
GIBRALTAR		
2a	2a	A gale or strong wind from eastward is probable
3a	3a	A gale or strong wind from westward is probable
GRENADA		
41a	41a	Winds above 63 kt Signals used in Grenada.
40a	40a	Winds 34-63 kt Signals used in Grenada.
56a	56a	Winds 28-33 kt Signals used in Grenada.
HAWAII (U.S.)		
56a	56a	Small Craft Advisory: weather or sea conditions (either present or forecast), sustained for more two hours, that might be hazardous to small boats. Mariners learning of a Small Craft Advisory are urged to determine immediately the reason by tuning their radios to the latest marine broadcasts. Decision as to the degree of hazard will be left up to the boatmen, based on his experience and size and type of boat. The threshold conditions for the Small Craft Advisory are usually 18 knots of wind (less than 18 knots in some dangerous waters) or hazardous wave conditions. 1. Displays are made from about 200 points along the sea coasts, the Great Lakes, Hawaii and Puerto Rico. No displays are made in Alaska but warnings are broadcast by radio. 2. Hurricane watch: an announcement made to the public and all other interests by press and radio and television broadcasts whenever a tropical storm or hurricane becomes a threat to a coastal area. The "Hurricane watch" announcement is not a warning; it indicates that the hurricane is near enough that everyone in the area covered by the "watch" should listen for subsequent advisories and be ready to take precautionary action in case hurricane warnings are issued. No display is provided for the "Hurricane watch".
41a	41a	Hurricane warning: winds 74 miles an hour (64 kt) and upwards when in connection with a tropical cyclone 1. Displays are made from about 200 points along the sea coasts, the Great Lakes, Hawaii and Puerto Rico. No displays are made in Alaska but warnings are broadcast by radio. 2. Hurricane watch: an announcement made to the public and all other interests by press and radio and television broadcasts whenever a tropical storm or hurricane becomes a threat to a coastal area. The "Hurricane watch" announcement is not a warning; it indicates that the hurricane is near enough that everyone in the area covered by the "watch" should listen for subsequent advisories and be ready to take precautionary action in case hurricane warnings are issued. No display is provided for the "Hurricane watch".
39a	39a	Gale warning: winds within the range 39 to 54 miles an hour (34 to 47 kt). 1. Displays are made from about 200 points along the sea coasts, the Great Lakes, Hawaii and Puerto Rico. No displays are made in Alaska but warnings are broadcast by radio. 2. Hurricane watch: an announcement made to the public and all other interests by press and radio and television broadcasts whenever a tropical storm or hurricane becomes a threat to a coastal area. The "Hurricane watch" announcement is not a warning; it indicates that the hurricane is near enough that everyone in the area covered by the "watch" should listen for subsequent advisories and be ready to take precautionary action in case hurricane warnings are issued. No display is provided for the "Hurricane watch".
40a	40a	Storm warning: wind 55 miles an hour (48 kt) and upwards, except that when winds are associated with a tropical cyclone, HURRICANE warnings will be hoisted for winds 74 miles an hour (64 kt) and upwards. (See "Hurricane warning" below) 1. Displays are made from about 200 points along the sea coasts, the Great Lakes, Hawaii and Puerto Rico. No displays are made in Alaska but warnings are broadcast by radio. 2. Hurricane watch: an announcement made to the public and all other interests by press and radio and television broadcasts whenever a tropical storm or hurricane becomes a threat to a coastal area. The "Hurricane watch" announcement is not a warning; it indicates that the hurricane is near enough that everyone in the area covered by the "watch" should listen for subsequent advisories and be ready to take precautionary action in case hurricane warnings are issued. No display is provided for the "Hurricane watch".
INDIA		
10a	10a	GREAT DANGER. A violent storm will soon strike you These signals are used for Ganges Delta ports and river and police stations in West Bengal.

SIGNALS		Specifications
Day	Night	Remarks
21a	21a	Port will experience severe weather from a severe cyclone expected to move keeping the port to the right of its track. This signal indicates that the port itself and the ships in it are in danger.
22a*	22a*	Port will experience severe weather from a severe cyclone expected to move over or close to the port. This signal is also hoisted when a storm is expected to skirt the coast without (actually) crossing it.
16a	16a	There is a region of squally weather in which a storm may be forming. These signals indicate that ships may be exposed to danger after leaving the harbour.
23a*	23a*	Communications with the Meteorological Warning Centre have broken down, and the local officer considers there is a danger of bad weather These signals are used for Ganges Delta ports and river and police stations in West Bengal.
2a	2a	DANGER. A storm will soon strike you These signals are used for Ganges Delta ports and river and police stations in West Bengal.
10a	10a	A storm has formed These signals indicate that ships may be exposed to danger after leaving the harbour.
20a	20a	Port will experience severe weather from a severe cyclone expected to move keeping the port to the left of its track. This signal indicates that the port itself and the ships in it are in danger.
19a*	19a*	Port will experience severe weather from a cyclone expected to move over or close to the port. This signal is also hoisted when a storm is expected to skirt the coast without (actually) crossing it.
18a	18a	Port will experience severe weather from a cyclone expected to move keeping the port to the right of its track. These signals indicate that the port itself and the ships in it are in danger.
17a	17a	Port will experience severe weather from a cyclone expected to move keeping the port to the left of its track. These signals indicate that the port itself and the ships in it are in danger.
2a*	2a*	Port is threatened by a storm, but it does not appear that danger justifies extreme measures of precaution. Squally weather is meant to cover occasional or frequent squalls with rain or persistent type of strong gusty wind (mean wind speed not less than 20 knots) accompanied by rain. Such conditions are associated with low pressure systems or onset and strengthening of monsoon. Mean wind speeds exceeding 33 knots associated with cyclonic storms are generally covered by signals higher than 3a.
3a*	3a*	Port is threatened by squally weather. Squally weather is meant to cover occasional or frequent squalls with rain or persistent type of strong gusty wind (mean wind speed not less than 20 knots) accompanied by rain. Such conditions are associated with low pressure systems or onset and strengthening of monsoon. Mean wind speeds exceeding 33 knots associated with cyclonic storms are generally covered by signals higher than 3a.
1a	1a	WARNING. A storm may affect you shortly These signals are used for Ganges Delta ports and river and police stations in West Bengal.

SIGNALS		Specifications
Day	Night	Remarks

* BRIEF SYSTEM: In the brief system only one of the five signals marked by an asterisk of the general system is hoisted, and the Port Officers are kept informed of the prospects of local bad weather associated with any disturbance in the sea, for the general information of shipping.

EXTENDED SYSTEM: Special signals, in addition to those of the general system, are exhibited at certain ports in the bay of Bengal belonging to the extended system. If the port itself is threatened, the appropriate local signals of the general system are hoisted. But, if there is an area of squally weather or a storm that does not threaten the port, the distant cautionary or distant warning signal of the general system is hoisted under the distant signals, to indicate the position of the disturbance in the Bay. The following shapes, when hung below a distant cautionary or warning signal, become locality signals, indicating the six divisions into which the bay of Bengal has been divided for this purpose.

Signal:	3a	10a	24a	16a	2a	23a
Section:	I	II	III	IV	V	VI

The divisions are as indicated on the chart given on page D-D-II-9. Thus, if there is squally weather in Section IV of the Bay, the signal 25a would be hoisted at the various ports; and if a storm has formed in Section II, the signal 11a would be hoisted at all ports which were not directly threatened. As already stated, the ports directly threatened would hoist either one of the local signals. The Meteorological Department endeavours to keep the number of locality signals on each hoist as small as possible, and generally the number of only that section in which the centre of the storm is situated is given in the Warning Telegram.

Examples:

Storm centre	Locality signals
Latitude 16°N - Longitude 86°E	II
Latitude 16°N - Longitude 88°E	II & III
Latitude 16°N - Longitude 89°E	III & II
Latitude 18°N - Longitude 87°30'E	II, I & III
Latitude 19°N - Longitude 89°30'E	I, III & II

If however, the center of the storm is near the boundary of a division, the hoisting of two locality signals is requested, the first indicating the division in which the center is thought to be situated and the second the division nearest to the first. In the event of a storm center being near the corner where three divisions meet, the hoisting of three locality signals is requested, the first indicating the division in which the storm is estimated to be centered, the second the nearest adjoining division, and the third the remaining division.

(1) Radio warnings largely used.

ISRAEL

See International Visual Storm Warning Signals.

8a	8a	These signals are not used
1a-5a (inclusive/incl us)	1a-5a (inclusive/inclu s)	These signals are in use

(1) Gale will usually develop within 10 hours of the time of hoisting the signal. Signal is lowered when gale has passed and a period of not less than 12 hours free from gales is expected. Visual storm warning signals are displayed in Haifa Port.

ITALY

4a	4a	Phenomenon arriving from NE quadrant
5a	5a	Phenomenon arriving from SE quadrant
3a	3a	Phenomenon arriving from SW quadrant
15a	15a	Phenomenon arriving from all directions
2a	2a	Phenomenon arriving from NW quadrant

JAMAICA

39a	39a	Gale warnings: winds within the range 34-47 knots.
41a	41a	Hurricane warnings: winds above 63 knots.
40a	40a	Whole gale warning: winds within the range 48-63 knots.
56a	56a	Small craft warning: winds and seas or sea conditions are only dangerous to small craft operations. Winds range from 25-34 knots.

MADAGASCAR

See International Visual Storm Warning Signals.

SIGNALS Day	SIGNALS Night	Specifications / Remarks

MALAYSIA

For national coastal waters, visual strong wind and rough sea warnings at Kuala Trengganu and Tumpat. Notice board display of information on strong wind and rough sea at Mersing and various fisheries departments in Pahang.

MALTA

Day	Night	Specifications / Remarks
2a	2a	Gale or strong winds North Cone: Indicates gales or strong winds of force 8 expected from between West and East through North.
Three black cones pointed up	Three black cones pointed up	Strong Gregale Indicated risks of winds between North and East of force 8 or over.
1a	1a	Scend Warnings Such a warning indicates that a wind of force 5 or more, between 10° and 120°, is expected in all parts of the Harbour (Valletta). A scend warning signal is also to be used after a gregale warning has been cancelled until such time as the sea has fallen below 5 feet.
4a	4a	Moderate Gregale Indicates risks of winds between North and East of force 5 to 7.
3a	3a	Gale or strong winds South Cone: Indicates gales or strong winds of force 8 expected from between East and West through South.

MAURITANIA

See International Visual Storm Warning Signals.

MOZAMBIQUE

Day	Night	Specifications / Remarks
4a	4a	Gale or storm from the NE quadrant.
2a	2a	Gale or storm from the NW quadrant.
3a	3a	Gale or storm from the SW quadrant.
7a	7a	International specification.
10a	10a	Cyclone in the Mozambique Channel.
15a	15a	Probability of gale, storm or cyclone.
1a	1a	Gale or storm from undetermined direction.
6a	6a	International specification.
5a	5a	Gale or storm from the SE quadrant.

MYANMAR

Day	Night	Specifications / Remarks
2a*	2a*	The port is threatened by a storm, but it does not appear that the danger is as yet sufficiently great to justify extreme measures of precaution. Local warning signal. The existence of a storm can often be determined before its direction of motion can be fixed. In this case all those ports which the storm could possibly strike are warned by this signal.
3a*	3a*	The port is threatened by squally weather. Local cautionary signal.
17a	17a	The port will experience severe weather from a storm, of slight or moderate intensity, that is expected to cross the coast to the south of the port (or to the east in the case of Yangon, Bassein and Diamond Island). Local danger signal.
19a*	19a*	The port will experience severe weather from a storm, of slight or moderate intensity, that is expected to cross over or near to the port. Local danger signal.
21a	21a	The port will experience severe weather from a storm, of great intensity, that is expected to cross the coast to the north of the port (or to the west in the case of Yangon and Moulmein). Local great danger signal.

SIGNALS Day	SIGNALS Night	Specifications / Remarks
22a*	22a*	The port will experience severe weather from a storm, of great intensity, that expected to cross over or near to the port. Local great danger signal.
23a*	23a*	Communications with the Meteorological Warning Centre have broken down, and the local officer considers that there is danger of bad weather. Local failure of communications signal.
20a	20a	The port will experience severe weather from a storm, of great intensity, that is expected to cross the coast to the south of the port (or to the east in the case of Yangon, Bassein and Diamond Island) Local great danger signal.
10a	10a	A storm has formed. Distant warning signal.
18a	18a	The port will experience severe weather from a storm, of slight or moderate intensity, that is expected to cross the coast to the north of the port (or to the west in the case of Yangon and Moulmein). Local danger signal.
16a	16a	There is a region of squally weather in which a storm may be forming. Distant cautionary signal.

NETHERLANDS

International specification

These signals apply to winds of force 8 Beaufort or more.

International specification

These signals apply to winds of force 8 Beaufort or more.

International specification

These signals apply to winds of force 8 Beaufort or more.

International specification

These signals apply to winds of force 8 Beaufort or more.

Strong wind (28-33 kt) any direction.

These signals apply to winds of force 7 Beaufort.

Note: Night signals are displayed at Flushing, Hook of Holland, Ymuiden, Del Helder and Terschelling. Day signals are not displayed.

NETHERLANDS ANTILLES

40a	40a	Gale warning: winds 39 miles an hour (34 kt) and upwards. This signal is the only one used in Curaçao, Aruba and Bonaire.
41a	41a	Hurricane warning: winds 74 miles an hour (64 kt) and upwards. These signals are used in the islands: St. Maarten, Saba and St. Eustatius (parts of the Netherlands Antilles).
40a	40a	Whole gale warning: winds within the range 55 to 73 miles an hour (48 to 63 kt). These signals are used in the islands: St. Maarten, Saba and St. Eustatius (parts of the Netherlands Antilles).
39a	39a	Gale warning: winds within the range 39-54 miles an hour (34-47 kt) These signals are used in the islands: St. Maarten, Saba and St. Eustatius (parts of the Netherlands Antilles).
56a	56a	Small craft warning: winds and seas or sea conditions are only dangerous to small craft operations. Winds range up to 38 miles an hour (33 kt). These signals are used in the islands: St. Maarten, Saba and St. Eustatius (parts of the Netherlands Antilles).

NIGERIA

See International Visual Storm Warning Signals.

NORWAY

2a	2a	Gale (wind 28-40 kt) commencing in the NW quadrant This signal applies to winds of force 7-8 Beaufort.

SIGNALS Day	SIGNALS Night	Specifications Remarks
4a	4a	Gale (wind 28-40 kt) commencing in the NE quadrant This signal applies to winds of force 7-8 Beaufort.
33a	33a	Storm (wind 41-71 kt) commencing in the SE quadrant This signal applies to winds of force 9-12 Beaufort.
32a	32a	Storm (wind 41-71 kt) commencing in the NE quadrant This signal applies to winds of force 9-12 Beaufort.
31a	31a	Storm (wind 41-71 kt) commencing in the SW quadrant This signal applies to winds of force 9-12 Beaufort.
30a	30a	Storm (wind 41-71 kt) commencing in the NW quadrant. This signal applies to winds of force 9-12 Beaufort.
5a	5a	Gale (wind 28-40 kt) commencing in the SE quadrant. This signal applies to winds of force 7-8 Beaufort.
1a	1a	Gale or storm without indication of direction.
3a	3a	Gale (wind 28-40 kt) commencing in the SW quadrant This signal applies to winds of force 7-8 Beaufort.

PAKISTAN

23a (Signal No. XI)	23a (Signal No. XI)	Communications with the Meteorological Warning Centre have broken down, and the local officer considers there is danger of bad weather. Indicates that the port itself and the ships in it are in danger.
22a (Signal No. X)	22a (Signal No. X)	Severe weather from a storm, of great intensity, expected to cross over or near to the port.
20a (Signal No. VIII)	20a (Signal No. VIII)	Severe weather from a storm, of great intensity, expected to cross the coast to south or east of port.
19a (Signal No. VII)	19a (Signal No. VII)	Severe weather from a storm, of slight or moderate intensity, expected to cross over or near to the port.
18a (Signal No. VI)	18a (Signal No. VI)	Severe weather from a storm, of slight or moderate intensity, expected to cross the coast to north or west of port. Indicates that the port itself and the ships in it are in danger.
3a (Signal No. III)	3a (Signal No. III)	Port is threatened by squally weather. Port itself and the ships in it are in danger.
17a (Signal No. V)	17a (Signal No. V)	Severe weather from a storm, of moderate intensity, expected to cross the coast to south or east of port.
2a (Signal No. IV)	2a (Signal No. IV)	Port is threatened by storm.
21a (Signal No. IX)	21a (Signal No. IX)	Severe weather from a storm, of great intensity, expected to cross the coast to north or west of port. Indicates that the port itself and the ships in it are in danger.
10a (Signal No. II)	10a (Signal No. II)	A storm has formed. Indicate that ship may be exposed to danger after leaving harbour.
16a (Signal No. I)	16a (Signal No. I)	Region of squally weather where storm may be forming. Distant cautionary signal.

* Radio warnings largely used.

PHILIPPINES

See International Visual Storm Warning Signals.

PORTUGAL

7a	7a	Wind expected to back (counter-clockwise change in direction)
2a	2a	Gale and storm commencing in the NW quadrant This cone applies to winds of force 8 Beaufort (34-40 kt) or more.

SIGNALS Day	SIGNALS Night	Specifications / Remarks
3a	3a	Gale and storm commencing in the SW quadrant This cone applies to winds of force 8 Beaufort (34-40 kt) or more.
4a	4a	Gale and storm commencing in the NE quadrant This cone applies to winds of force 8 Beaufort (34-40 kt) or more.
5a	5a	Gale and storm commencing in the SE quadrant This cone applies to winds of force 8 Beaufort (34-40 kt) or more.
6a	6a	Wind expected to veer (clockwise change in direction)
10a	10a	Special signal used on the southern coast of Portugal to the Levant in the Strait of Gibraltar Wind Waves from Southeast 2 metres or more.
1a	1a	Near gale any direction. This signal applies to wind force 7 Beaufort (28-33 kt).
8a	8a	Hurricane with wind of force 12 Beaufort (64 kt and above) from any direction

PUERTO RICO

56a	56a	Small Craft Advisory: weather or sea conditions (either present or forecast), sustained for more two hours, that might be hazardous to small boats. Mariners learning of a Small Craft Advisory are urged to determine immediately the reason by tuning their radios to the latest marine broadcasts. Decision as to the degree of hazard will be left up to the boatmen, based on his experience and size and type of boat. The threshold conditions for the Small Craft Advisory are usually 18 knots of wind (less than 18 knots in some dangerous waters) or hazardous wave conditions. 1. Displays are made from about 200 points along the sea coasts, the Great Lakes, Hawaii and Puerto Rico. No displays are made in Alaska but warnings are broadcast by radio. 2. Hurricane watch: an announcement made to the public and all other interests by press and radio and television broadcasts whenever a tropical storm or hurricane becomes a threat to a coastal area. The "Hurricane watch" announcement is not a warning; it indicates that the hurricane is near enough that everyone in the area covered by the "watch" should listen for subsequent advisories and be ready to take precautionary action in case hurricane warnings are issued. No display is provided for the "Hurricane watch".
41a	41a	Hurricane warning: winds 74 miles an hour (64 kt) and upwards when in connection with a tropical cyclone. 1. Displays are made from about 200 points along the sea coasts, the Great Lakes, Hawaii and Puerto Rico. No displays are made in Alaska but warnings are broadcast by radio. 2. Hurricane watch: an announcement made to the public and all other interests by press and radio and television broadcasts whenever a tropical storm or hurricane becomes a threat to a coastal area. The "Hurricane watch" announcement is not a warning; it indicates that the hurricane is near enough that everyone in the area covered by the "watch" should listen for subsequent advisories and be ready to take precautionary action in case hurricane warnings are issued. No display is provided for the "Hurricane watch".
39a	39a	Gale warning: winds within the range 39 to 54 miles an hour (34 to 47 kt). 1. Displays are made from about 200 points along the sea coasts, the Great Lakes, Hawaii and Puerto Rico. No displays are made in Alaska but warnings are broadcast by radio. 2. Hurricane watch: an announcement made to the public and all other interests by press and radio and television broadcasts whenever a tropical storm or hurricane becomes a threat to a coastal area. The "Hurricane watch" announcement is not a warning; it indicates that the hurricane is near enough that everyone in the area covered by the "watch" should listen for subsequent advisories and be ready to take precautionary action in case hurricane warnings are issued. No display is provided for the "Hurricane watch".
40a	40a	Storm warning: wind 55 miles an hour (48 kt) and upwards, except that when winds are associated with a tropical cyclone, HURRICANE warnings will be hoisted for winds 74 miles an hour (64 kt) and upwards. (See "Hurricane warning" below). 1. Displays are made from about 200 points along the sea coasts, the Great Lakes, Hawaii and Puerto Rico. No displays are made in Alaska but warnings are broadcast by radio. 2. Hurricane watch: an announcement made to the public and all other interests by press and radio and television broadcasts whenever a tropical storm or hurricane becomes a threat to a coastal area. The "Hurricane watch" announcement is not a warning; it indicates that the hurricane is near enough that everyone in the area covered by the "watch" should listen for subsequent advisories and be ready to take precautionary action in case hurricane warnings are issued. No display is provided for the "Hurricane watch".

REPUBLIC OF KOREA

No visual storm warning signals at present. Radio warnings largely used.

SIGNALS Day	SIGNALS Night	Specifications / Remarks

SAINT KITTS AND NEVIS

40a	40a	Winds 34-63 kt. Signals used in St. Kitts, Nevis, Anguilla.
56a	56a	Winds 28-33 kt. Signals used in St. Kitts, Nevis, Anguilla.
41a	41a	Winds above 63 kt. Signals used in St. Kitts, Nevis, Anguilla.

SAINT LUCIA

40a	40a	Winds 49-63 kt Signals used in Saint Lucia.
41a	41a	Winds above 63 kt. Signals used in Saint Lucia.
39a	39a	Winds 34-48 kt Signals used in Saint Lucia.
56a	56a	Winds 28-33 kt Signals used in Saint Lucia

SAINT VINCENT AND THE GRENADINES

40a	40a	A cautionary warning: possibility of storm or hurricane affecting island. Signals used in St. Vincent.
41a	41a	Definite warning: hurricane will affect island. Signals used in St. Vincent.

SAMOA

35a	35a	Storm/hurricane alert. A tropical cyclone of storm or hurricane intensity exists and may affect the locality within 24 or 36 hours.

SENEGAL

See International Visual Storm Warning Signals.

SINGAPORE

No visual storm warning signals at present.

SOUTH AFRICA

4a	4a	Gale winds from NE Cones are used in daytime in accordance with International System, at Cape Town, Port Elizabeth and Mossel Bay.
2a	2a	Gale winds from NW Cones are used in daytime in accordance with International System, at Cape Town, Port Elizabeth and Mossel Bay.
3a	3a	Gale winds from SW Cones are used in daytime in accordance with International System, at Cape Town, Port Elizabeth and Mossel Bay.
5a	5a	Gale winds from SE Cones are used in daytime in accordance with International System, at Cape Town, Port Elizabeth and Mossel Bay.

SRI LANKA

53a	53a	Hoisted at the Colombo Pilot Station.

THAILAND

37a	37a	Area 1: Gulf of Thailand east coast to Lat. 5°N and Long. 105°E. Signals indicating the locality of storms.

SIGNALS Day	SIGNALS Night	Specifications Remarks
51a	51a	Area 4: South China Sea bounded by southern Viet Nam coast, Lat. 12°N, Lat. 5°N, Long. 105°E and Long. 112°E Signals indicating the locality of storms.
38a	38a	Area 2: Gulf of Thailand west coast to Lat. 5°N. Signals indicating the locality of storms.
43a	43a	Area 3: Andaman Sea bounded by west coast of southern Myanmar, west coast of southern Thailand. Long. 97°E, Lat. 5°N and Lat. 14°N. Signals indicating the locality of storms.
56a	56a	Typhoon or cyclone or storm with wind speeds near center 64 kt and upwards.
36a	36a	Tropical storm or storm with wind speeds near center from 34 kt and over but not exceeding 63 kt.
35a	35a	Tropical depression or storm with wind speeds near center not exceeding 33 kt.

Note: 1. Signals indicating the occurrence of storms in the Gulf of Thailand and adjacent seas to be displayed at:
- Port Area (Bangkok)
- Bangkok Harbour Limit I (Pong Pachjamit Port, Pagklongsarn, Dhonburi)

2. Signals indicating the intensity and locality of storms will be hoisted on the same yard-arm with the pennant indicating the intensity and the flag indicating the locality of the storm. The flag is always hoisted below the pennant.
At normal weather conditions (no tropical depression of storm or typhoon) the white pennant with red circle (52a) will be displayed at the upper yard-arm at Bangkok Harbour Limit I (Pong Pachjamit Port, Pagklongsarn, Dhonburi).

* Signals indicating the intensity of storms.

TOGO

See International Visual Storm Warning Signals.

TRINIDAD AND TOBAGO

8a	8a	See International Signal for hurricane warning. Used at all officially designated ports in Trinidad and Tobago.

TUNISIA

No visual storm warning signals at present.

TURKS AND CAICOS ISLANDS

40a	40a	A tropical storm or hurricane is expected to strike within twelve hours.

UNITED STATES OF AMERICA

40a	40a	Storm warning: wind 55 miles an hour (48 kt) and upwards, except that when winds are associated with a tropical cyclone, HURRICANE warnings will be hoisted for winds 74 miles an hour (64 kt) and upwards. (See "Hurricane warning" below). 1. Displays are made from about 200 points along the sea coasts, the Great Lakes, Hawaii and Puerto Rico. No displays are made in Alaska but warnings are broadcast by radio. 2. Hurricane watch: an announcement made to the public and all other interests by press and radio and television broadcasts whenever a tropical storm or hurricane becomes a threat to a coastal area. The "Hurricane watch" announcement is not a warning; it indicates that the hurricane is near enough that everyone in the area covered by the "watch" should listen for subsequent advisories and be ready to take precautionary action in case hurricane warnings are issued. No display is provided for the "Hurricane watch".
41a	41a	Hurricane warning: winds 74 miles an hour (64 kt) and upwards when in connection with a tropical cyclone. 1. Displays are made from about 200 points along the sea coasts, the Great Lakes, Hawaii and Puerto Rico. No displays are made in Alaska but warnings are broadcast by radio. 2. Hurricane watch: an announcement made to the public and all other interests by press and radio and television broadcasts whenever a tropical storm or hurricane becomes a threat to a coastal area. The "Hurricane watch" announcement is not a warning; it indicates that the hurricane is near enough that everyone in the area covered by the "watch" should listen for subsequent advisories and be ready to take precautionary action in case hurricane warnings are issued. No display is provided for the "Hurricane watch".

SIGNALS		Specifications
Day	Night	Remarks
56a	56a	Small Craft Advisory: weather or sea conditions (either present or forecast), sustained for more two hours, that might be hazardous to small boats. Mariners learning of a Small Craft Advisory are urged to determine immediately the reason by tuning their radios to the latest marine broadcasts. Decision as to the degree of hazard will be left up to the boatmen, based on his experience and size and type of boat. The threshold conditions for the Small Craft Advisory are usually 18 knots of wind (less than 18 knots in some dangerous waters) or hazardous wave conditions. 1. Displays are made from about 200 points along the sea coasts, the Great Lakes, Hawaii and Puerto Rico. No displays are made in Alaska but warnings are broadcast by radio. 2. Hurricane watch: an announcement made to the public and all other interests by press and radio and television broadcasts whenever a tropical storm or hurricane becomes a threat to a coastal area. The "Hurricane watch" announcement is not a warning; it indicates that the hurricane is near enough that everyone in the area covered by the "watch" should listen for subsequent advisories and be ready to take precautionary action in case hurricane warnings are issued. No display is provided for the "Hurricane watch".
39a	39a	Gale warning: winds within the range 39 to 54 miles an hour (34 to 47 kt). 1. Displays are made from about 200 points along the sea coasts, the Great Lakes, Hawaii and Puerto Rico. No displays are made in Alaska but warnings are broadcast by radio. 2. Hurricane watch: an announcement made to the public and all other interests by press and radio and television broadcasts whenever a tropical storm or hurricane becomes a threat to a coastal area. The "Hurricane watch" announcement is not a warning; it indicates that the hurricane is near enough that everyone in the area covered by the "watch" should listen for subsequent advisories and be ready to take precautionary action in case hurricane warnings are issued. No display is provided for the "Hurricane watch".

CHAPTER 6

FOCAL POINT CONTACT INFORMATION:

WMO GMDSS MARINE BROADCAST SYSTEM

SHIP WEATHER ROUTEING SERVICES

PORT METEOROLOGICAL OFFICES

FOCAL POINT CONTACT INFORMATION:

WMO GMDSS MARINE BROADCAST SYSTEM

NATIONAL CONTACT POINTS FOR WMO GMDSS MARINE BROADCAST SYSTEM

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Metarea VIII (Tropical cyclone warnings WEST of 90E)

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FOCAL POINT CONTACT INFORMATION:

SHIP WEATHER ROUTEING SERVICES

and

PORT METEOROLOGICAL OFFICES

CONTACT INFORMATION FOR
PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

ARGENTINA **Date:** 10/11/2011

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PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

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CONTACT INFORMATION FOR
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BRAZIL **Date:** 10/11/2011

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CONTACT INFORMATION FOR
PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

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starting new offices, former Valparaiso PMO

Head of Magallanes Meteorological Center

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same PMO since 2012

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same PMO since 2012

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new PMO, under national VOS focal point

CONTACT INFORMATION FOR
PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

COSTA RICA **Date:** 30/06/2006

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No ship weather routering service.
Advices for special cases of routering on request 1-day in advance

CONTACT INFORMATION FOR
PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

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Weather Routeing Services

Pomorski Meteoroloski Centar (Marine Meteorological Centre)
Prilaz VIII korpusa 11
(Post Office Box No. 44)
SPLIT 58001
CROATIA

Telephone: +385 58 591033
+385 58 591466
Telefax:
Telex: 26103 YUMETEOR
Email:

No usual ship weather routeing services.
Advices for special cases of routeing in Adriatic eastern area, according to local conditions, on request

CONTACT INFORMATION FOR
PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

DENMARK **Date:** 16/10/2003

Weather Routeing Services

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Danish Meteorological Institute
World Wide Weather Routeing
Lyngbyvej 100
2100 Copenhagen OE
DENMARK

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Telefax: +45 39 291212
Telex: 27138
Email: routeing@dmi.dk

CONTACT INFORMATION FOR
PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

ECUADOR **Date:** 10/11/2011

Port Meteorological Offices

Guayaquil

BIOLOGO Eduordo ZAMBRANO
JEFE DE INVESTIGACIONES OCEANOGRAFICAS
Instituto Oceanográfico de la Armada del Ecuador

Telephone: 593-4-481105
Telefax: 593-4-485166
Telex:
Email: inocar@inocar.mil.ec

Weather Routeing Services

PTO. AYORA (GALAPAGOS)
INOCAR-BASE NAVAL SUR
AV. 25 DE JULIO
MANTA
GUAYAQUIL
ECUADOR

Telephone: +593 4 2481300
Telefax: +593 4 2485166
Telex:
Email: inocar@inocar.mil.ec

2°N-4°S AND 78°-95°W; Additional route 2°S-90°W - 63°S-58°W; PACIFIC AND ATLANTIC

CONTACT INFORMATION FOR
PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

FALKLAND ISLANDS (MALVINAS) **Date:** 10/11/2011

Port Meteorological Offices

Falklands/Malvinas

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PMO
Marine Officer
Fishery Protection Office
Port Stanley
Falklands
Falkland Islands Malvinas

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Telefax: +500 27265
Telex: 2426 FISHDIR FK
Email:

CONTACT INFORMATION FOR
PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

FINLAND **Date:** 10/11/2011

Port Meteorological Offices

Helsinki

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Account Manager
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Finland

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CONTACT INFORMATION FOR
PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

FRANCE **Date:** 27/02/2013

Port Meteorological Offices

Aix en Provence

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Technicien supérieur
Météo-France – DIR Sud-Est
OBS/RESEAU – Bureau de port
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F-13098 Aix En Provence Cedex 02
France

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Bordeaux

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France

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Boulogne sur mer

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17, Bd Sainte Beuve
F-62200 BOULOGNE SUR MER
France

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La Réunion - Ste-Clotilde

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CONTACT INFORMATION FOR
PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

FRENCH POLYNESIA **Date:** 27/02/2013

Port Meteorological Offices

Papeete, Tahiti

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Météo-France DIR Polynésie Française
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98702 Faa Aéroport
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CONTACT INFORMATION FOR
PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

GAMBIA **Date:** 20/03/2012

Port Meteorological Offices

Banjul / Central Forecast Office

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Meteorologist
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Banjul / Department of Water Resources

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CONTACT INFORMATION FOR
PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

GERMANY **Date:** 25/02/2013

Port Meteorological Offices

Bremerhaven

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Hafendienst
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Hamburg (E-ASAP, German ASAP)

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Rostock

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Hafendienst
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Weather Routeing Services

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GERMANY

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Telefax: ++49 40 66901947
Telex: 211 291 hadw d
Email: routing@dwd.de

The German Weather Service in Hamburg offers ship weather routeing for all oceans.

CONTACT INFORMATION FOR
PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

GHANA **Date:** 13/11/1999

Weather Routeing Services

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Legon
GHANA

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Telex: DIRMETEO
Email:

No ship weather routeing services

CONTACT INFORMATION FOR
PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

GIBRALTAR **Date:** 10/11/2011

Port Meteorological Offices

Gibraltar

Pmo GIBRALTAR
PMO
Meteorological Office
RAF Gibraltar, BFPO 52
Gibraltar

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Telex:
Email:

CONTACT INFORMATION FOR
PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

GREECE **Date:** 01/03/2013

Port Meteorological Offices

Hellinikon

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Head, Marine Section
El. Venizelou 14
167 77 ATHENS
GREECE

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Telefax: +30 210 9628952
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Hellinikon

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GREECE

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Telex:
Email: dkotta@hnms.gr

CONTACT INFORMATION FOR
PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

HONG KONG, CHINA **Date:** 15/03/2012

Port Meteorological Offices

Hong Kong

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Port Meteorological Officer
Hong Kong Observatory
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Hong Kong, China

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Telefax: +852 2311 9448
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CONTACT INFORMATION FOR
PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

ICELAND **Date:** 10/11/2011

Port Meteorological Offices

Reykjavik

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CONTACT INFORMATION FOR
PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

INDIA **Date:** 27/02/2013

Port Meteorological Offices

Chennai

Shri A.P.Prakashan
Port Meteorological Officer
Director in-charge,
Port Meteorological Office
Regional Meteorological Centre,
Inspectorate Section/PMO Unit,
New No.6,(Old No. 50), College Road,
Chennai - 600 006

Telephone: 044 28230092/94/91
Ext. Inspectorate Section: 230,231,234,332
Telefax: 044 28271581
(ACWC Chennai)
Telex:
Email: isrmcchennai@gmail.com
pmochennai@gmail.com

Working Hours:
0930-1800 5 days week

Goa

Shri N. Haridasan
Port Meteorological Officer
Director,
Port Meteorological Liaison Office,
Goa Observatory,
Altinho, Panjim
Goa – 403 001

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09579634860
Smt. V.V.Damle A.M.II: 08275877586
Telefax: 0832 2420161
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Email: directorimdgoa@gmail.com

Working Hours:
0930-1800 5 days week

Kochi

Shri M.Sethumadhavan
Port Meteorological Officer
Officer in charge,
Port Meteorological Office,
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Ex-Mahavir Plantation Building,
Opp. IOC Ltd.,Indira Gandhi Road,
Willingdon Island, (South)
Kochi - 682 003

Telephone: 0484 2667042
Mobile: 09446478262 &
Mobile - Shri V.L.Rajendran,S.A.:
09495779897
Telefax: NA
Telex:
Email: pmokochi@dataone.in

Working Hours: 0900-1730

Kolkata

Shri. Ganesh Kumar Das
Port Meteorological Officer
Director I/C,
Regional Meteorological Centre,
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Kolkata (West Bengal), PIN 700027

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Working Hours: 0930-1800 5 days week

CONTACT INFORMATION FOR
PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

Mumbai

Shri G. Muralidharan
Port Meteorological Officer
Director,
Port Meteorological Office,
Regional Meteorological Centre,
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Mumbai - 400 005

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022 22151654
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Telefax: 022 22154098
022 22160824
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Email: isrmcmumbai@gmail.com

Working Hours: 0930-1800 5 days week

Visakhapatnam

Shri E. N. S. Sagar
Port Meteorological Officer
Director I/C,
Port Meteorological Office,
Cyclone Warning Center,
Kirlumpudi,
Opposite Andhra University out gate,
Vishakhapatnam - 530 017

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Mobile - c/o Shri E. N. S. Sagar:
09885256279
Telefax: 0891-2543033
0891-2543036
Telex:
Email: cwcvsk@gmail.com

Working Hours: 0930-1800 5 days week

Weather Routeing Services

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Pune-5
Lodhi Road
New Delhi 110003
INDIA

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Telefax: 91 20 5533201
Telex: 1457792
Email: imdpune@pn3.vsnl.in

CONTACT INFORMATION FOR
PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

INDONESIA **Date:** 30/03/2012

Port Meteorological Offices

Marine Meteorological Station – Tanjung Priok

Yudi Suryadarma
Head of Data and Information
Marine Meteorological Station – Tanjung Priok
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Tanjung Priok
Jakarta Utara 14310
Indonesia

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Telefax: +62-62-21-4351366
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Marine Meteorological Station-Belawan

Ramos Tobing, S.SI
Forecaster
Marine Meteorological Station-Belawan
Jl. Raya Pelabuhan II Gabion Ringkai Belawan -
Medan

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Marine Meteorological Station-Paotere Makassar

Purwanto
Head of Data and Information
Marine Meteorological Station-Paotere Makassar
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Marine Meteorological Station-Tanjung Emas

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Marine Meteorological Station-Tanjung Perak

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CONTACT INFORMATION FOR
PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

IRELAND **Date:** 29/01/2013

Port Meteorological Offices

Cork Office is responsible for Cork and the south coast of Ireland

Mr Brian DOYLE
Principal Meteorological Officer
Met Éireann
Old Control Tower
Cork Airport
Cork
Ireland

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Dublin Office is responsible for all coasts of Ireland

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CONTACT INFORMATION FOR
PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

ISRAEL **Date:** 10/11/2011

Port Meteorological Offices

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Port Meteorological Office
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Israel

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CONTACT INFORMATION FOR
PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

JAPAN **Date:** 05/03/2013

Port Meteorological Offices

Hakodate

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Maritime Meteorological Division
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Headquarters/JMA

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Kobe

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Maizuru

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Yokohama

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CONTACT INFORMATION FOR
PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

JORDAN **Date:** 13/11/1999

Weather Routeing Services

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Aqaba Port
Aqaba
JORDAN

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Telefax:
Telex: 21908 METAM-JO
Email:

CONTACT INFORMATION FOR
PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

KENYA **Date:** 25/11/2011

Port Meteorological Offices

Mombasa

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Kenya

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CONTACT INFORMATION FOR
PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

KUWAIT **Date:** 13/11/1999

Weather Routeing Services

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Meteorological Department
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Safat
KUWAIT

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CONTACT INFORMATION FOR
PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

LATVIA **Date:** 13/11/1999

Weather Routeing Services

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CONTACT INFORMATION FOR
PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

MALAYSIA **Date:** 05/03/2013

Port Meteorological Offices

Port Bintulu

Mr. Siao Chin TIEK
Port Meteorological Officer,
Malaysian Meteorological Department
Bintulu Meteorological Station
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Malaysia

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Telefax: + 6 086334 148
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Port Klang

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Malaysia

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Telefax: +6 037957 8046
Telex:
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Port Kota Kinabalu

Mr. Ibrahim MD ARIFF
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Malaysian Meteorological Department
Kota Kinabalu Meteorological Office
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88995 KOTA KINABALU
SABAH
Malaysia

Telephone: + 6 088265 719
Telefax: + 6 088211019
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Email: ibrahimma@met.gov.my

CONTACT INFORMATION FOR
PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

MAURITIUS **Date:** 10/11/2011

Port Meteorological Offices

Mauritius

Mr. S. CAHOOLESSUR (Liaison Office, Mauritius)
Meteorologist
Mauritius Meteorological Services
Mauritius

Telephone: 230 686 1031,32
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CONTACT INFORMATION FOR
PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

MOROCCO **Date:** 10/11/2011

Port Meteorological Offices

Casablanca

Mr. Hassan AMANE
Meteorological Officer
Station Météorologique
JETEE MY.YOUSSEF
PORT DE CASABLANCA
Morocco

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Direction de la Météorologie Nationale(service marine)

Mr Hassan BOUKSIM (Service marine)
Chief, Marine Meteorology division
Direction de la Météorologie Nationale
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Mohammedia

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PORT DE MOHAMMEDIA
B.P 11
Morocco

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CONTACT INFORMATION FOR
PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

NETHERLANDS **Date:** 29/01/2013

Port Meteorological Offices

Rotterdam / Antwerp

Mr. R.(Rene) Rozeboom
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TurboWin program manager

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CONTACT INFORMATION FOR
PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

NEW CALEDONIA **Date:** 27/02/2013

Port Meteorological Offices

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CONTACT INFORMATION FOR
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NEW ZEALAND **Date:** 27/09/2012

Port Meteorological Officer

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NORWAY **Date:** 10/11/2011

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CONTACT INFORMATION FOR
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PAKISTAN **Date:** 10/11/2011

Port Meteorological Offices

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Port Meteorological Officer
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(1) Meteorological Office to Karachi Coast Station to Ships/Vessels via broadcast.

(2) Meteorological Office to LES, Perth via SafetyNet.

CONTACT INFORMATION FOR
PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

PERU **Date:** 13/11/1999

Weather Routeing Services

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CONTACT INFORMATION FOR
PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

PHILIPPINES **Date:** 10/11/2011

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CONTACT INFORMATION FOR
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POLAND **Date:** 10/11/2011

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CONTACT INFORMATION FOR
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REPUBLIC OF KOREA **Date:** 10/04/2012

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ROMANIA **Date:** 10/11/2011

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RUSSIAN FEDERATION **Date:** 21/03/2012

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RUSSIAN FEDERATION (EUROPE) **Date:** 13/11/1999

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SAUDI ARABIA **Date:** 10/11/2011

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CONTACT INFORMATION FOR
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SINGAPORE **Date:** 27/02/2013

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SOUTH AFRICA **Date:** 11/03/2013

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SRI LANKA **Date:** 10/11/2011

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CONTACT INFORMATION FOR
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CONTACT INFORMATION FOR
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SWEDEN **Date:** 06/03/2013

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SWITZERLAND **Date:** 13/11/1999

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CONTACT INFORMATION FOR
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TANZANIA, UNITED REPUBLIC OF **Date:** 10/11/2011

Port Meteorological Offices

Dar es Salaam

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CONTACT INFORMATION FOR
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THAILAND **Date:** 08/02/2013

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CONTACT INFORMATION FOR
PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

TURKEY **Date:** 13/11/1999

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CONTACT INFORMATION FOR
PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

UGANDA **Date:** 10/11/2011

Port Meteorological Offices

Meteorologist

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CONTACT INFORMATION FOR
PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND **Date:** 29/01/2013

Port Meteorological Offices

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United Kingdom

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CONTACT INFORMATION FOR
PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

Weather Routeing Services

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Services provided:
Full weather routeing: Initial advisory service. Regular recommendations and advice on optimum routes. Frequent forecasts along the vessel's track, extending to five days ahead.

Fast Track Service: Extended forecasts and recommendations covering the complete voyage for high-speed scheduled vessels (e.g. container ships) transitting the North Atlantic and North Pacific Oceans.

Area Forecasts: Specialist vessels such as cable ships, survey vessels, tugs and tows can be supplied with specific forecasts for a designated geographical area and period of time. These cover a summary of the weather in the area of operation, Visibility, Wind strength and direction, Significant wave height, Swell direction and period, Tropical Cyclone information, Sea Ice limits and other factors that might affect a passage.

Services to the Leisure Industry: Forecasting and routeing services can be supplied to luxury charter and private yachts of any type.

Voyage Assessment and Consultancy. Useful in a weather-related dispute when an authoritative second opinion from MetWorks can help to make a case for the client.

General: MetWorks services are based on advanced software working with data supplied under contract by the UK Met Office. Advice is transmitted promptly by satellite to the Master of the vessel.

Every member of the MetWorks Operational and Management team is a Master Mariner combining at least 20 years of seagoing experience with weather-routeing expertise and close familiarity with the characteristics of many types of vessel.

CONTACT INFORMATION FOR
PORT METEOROLOGICAL OFFICES AND SHIP WEATHER ROUTEING SERVICES

UNITED STATES OF AMERICA **Date:** 10/11/2011

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Reported on board December 2010

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Weather Routeing Services are provided by commercial consultants in the USA. A list of available consultants can be obtained from the address shown above or from PMO in the USA.