



GLOBAL
MMARITIME
DDISTRESS and
SSAFETY
SSYSTEM

ΔΟΡΥΦΟΡΙΚΟ ΣΥΣΤΗΜΑ INMARSAT

SafetyNET

Enhanced Group Call – EGC

Η τεχνική ομαδικών κλήσεων παρέχει την δυνατότητα της οργάνωσης μιας μοναδικής υπηρεσίας, η οποία προωθεί μηνύματα σε :

- Προκαθορισμένες ομάδες πλοίων
- Προς όλα τα πλοία
- Προς πλοία που κινούνται σε μια γεωγραφική περιοχή.

Υποστηρίζει δύο διαφορετικές υπηρεσίες :

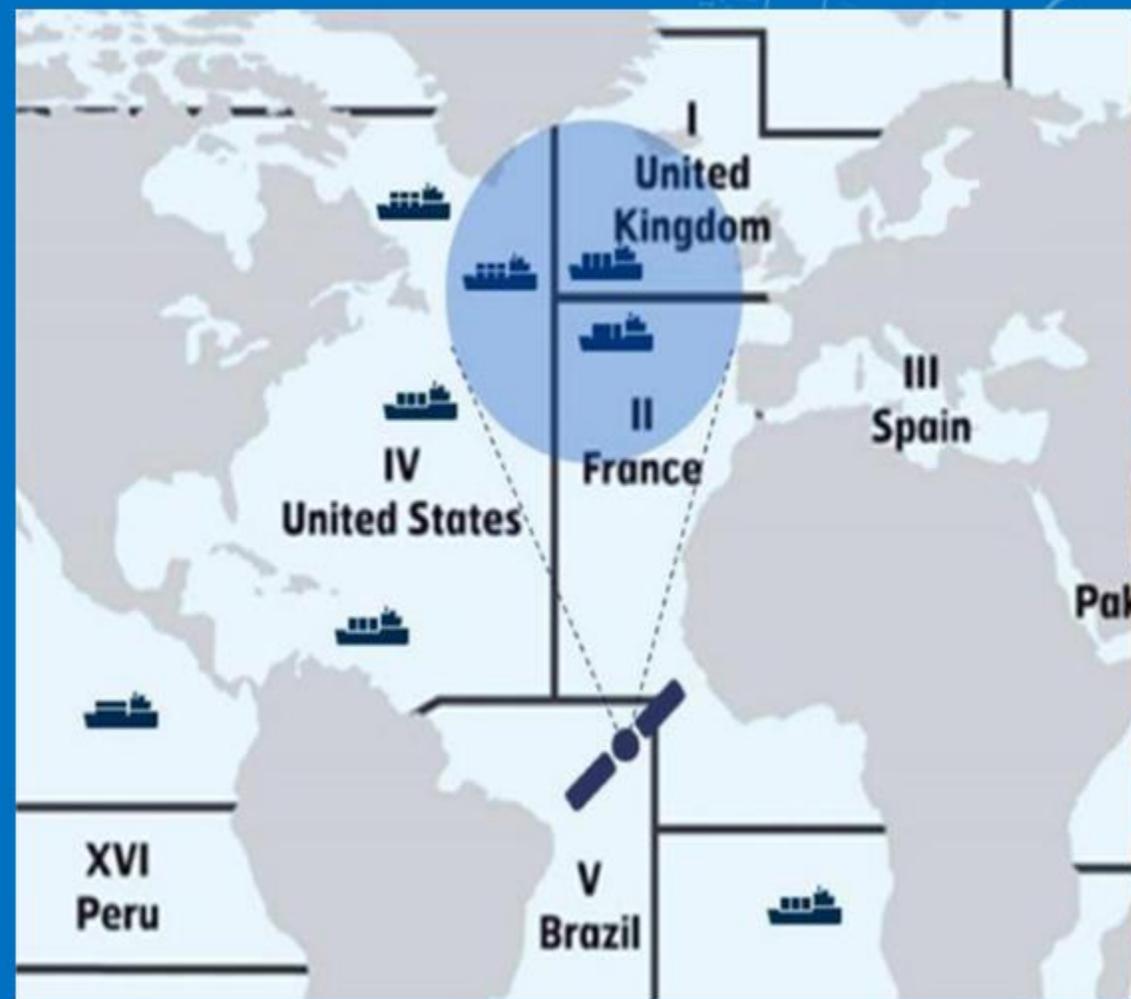
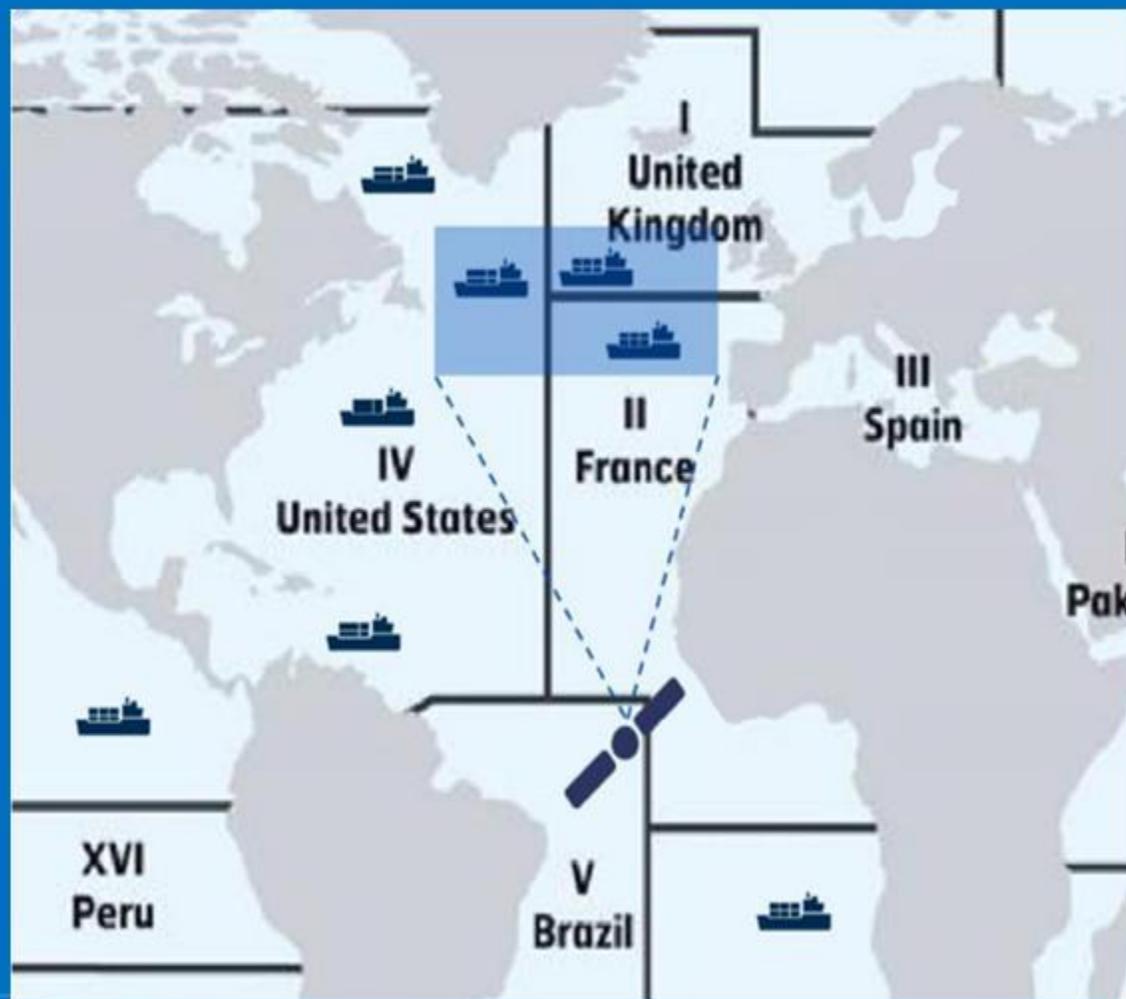
- ✓ Την SafetyNET (Διασπορά MSI)
- ✓ Την FleetNET (Non GMDSS Service)

SafetyNET

Ο βασικός ρόλος του SafetyNET είναι η αναμεταβίβαση συναγερμών κινδύνου από τα RCCs, ενώ παράλληλα χρησιμοποιείται για παροχή MSI στα πλαίσια του GMDSS.

Ένα ιδιαίτερο χαρακτηριστικό του SafetyNET είναι η ικανότητά του να κατευθύνει τις κλήσεις προς συγκεκριμένες περιοχές :

- ✓ ΩΚΕΑΝΙΕΣ
- ✓ ΝΑVAREAS – ΜΕΤΑREAS
- ✓ ΟΜΑΔΕΣ ΠΛΟΙΩΝ



ΟΡΓΑΝΩΣΗ ΤΟΥ ΣΥΣΤΗΜΑΤΟΣ

Οι 4 τομείς του συστήματος είναι :

- Οι υπηρεσίες παροχής πληροφοριών (MSI Providers)
- Οι Σταθμοί Ξηράς (LES – LESO)
- Οι σταθμοί συντονιστές δικτύου (NCS)
- Οι δέκτες EGC

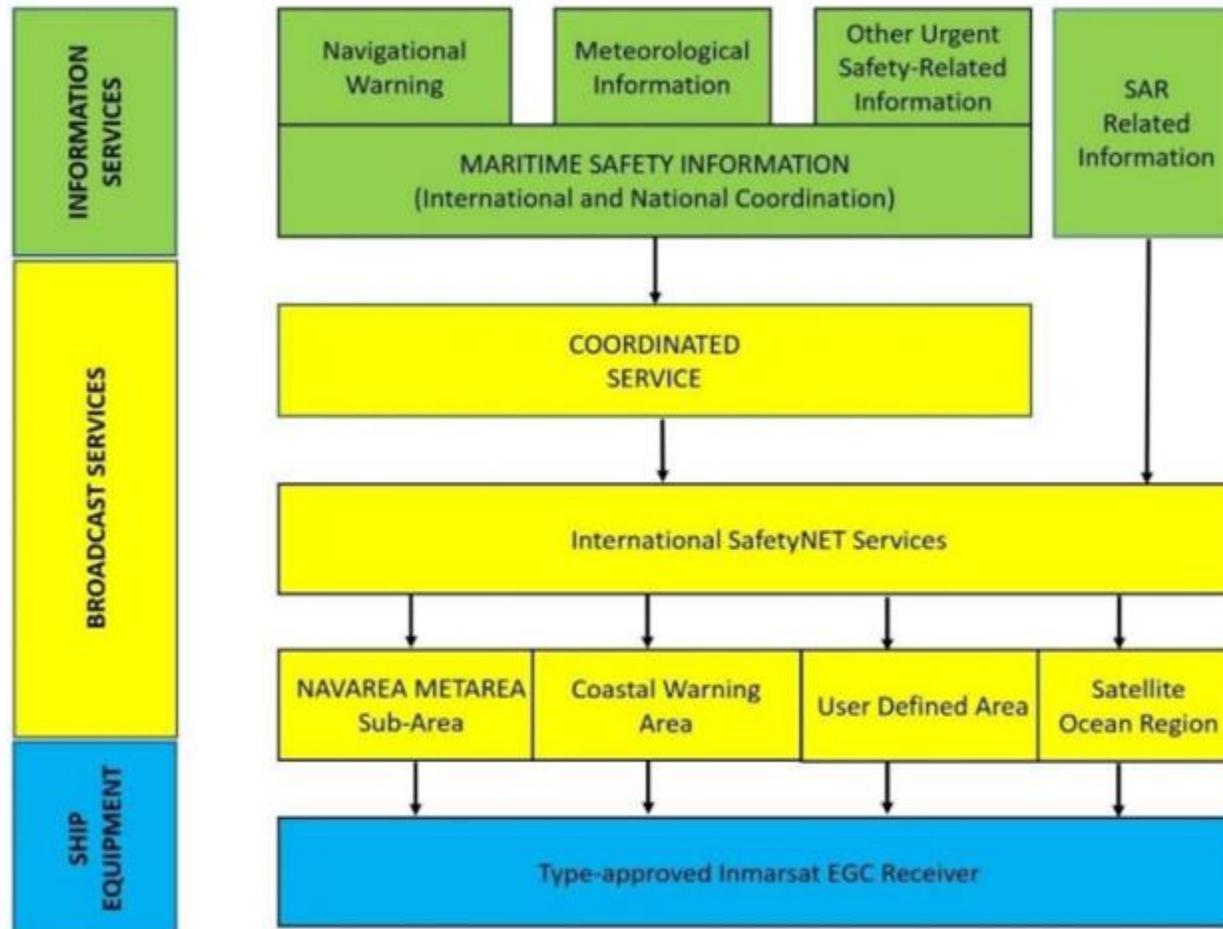


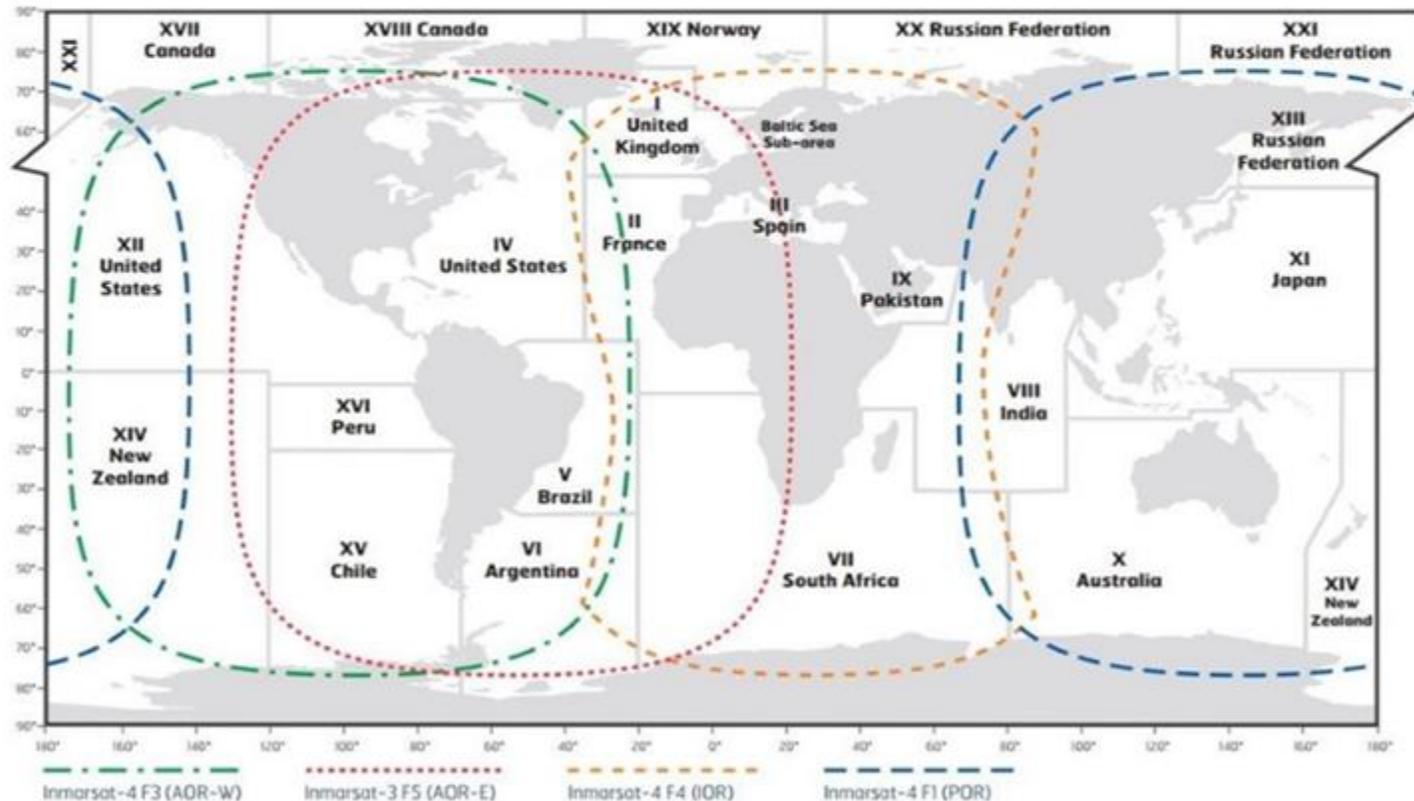
Figure 1. Provision of Maritime Safety Information

Please note the following point about the SafetyNET service:

Inmarsat Global Ltd. is not an Information Provider but provides Inmarsat C and Fleet Safety satellite communications system used for MSI broadcast and reception. Reception of MSI broadcasts is free of charge to all ships.

	Κατηγορίες μηνυμάτων
A	Navigational Warnings
B	Meteorological Warnings
C	Ice Report
D	Search and Rescue information, acts of piracy warnings, tsunamis and other natural phenomena
E	Meteorological Forecast
F	Pilot and VTS service messages
G	AIS Service Messages (Non navigational aid)
H	LORAN messages
I	
J	GNSS Messages
K	Other Electronic Navigational Aid System Messages
L	Other Navigational Warnings Additional to B2 Character A13
M to U	
V to Y	Special Services allocation by the NAVTEX Co-ordinating Panel
Z	No messages on hand

ΠΡΟΓΡΑΜΜΑ ΕΚΠΟΜΠΩΝ NAVAREAS



This map depicts Inmarsat's expectations of coverage. It does not represent a guarantee of service. The availability of service at the edge of coverage areas fluctuates depending on various conditions.
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Figure 2 NAVAREAs Inmarsat C / Mini C

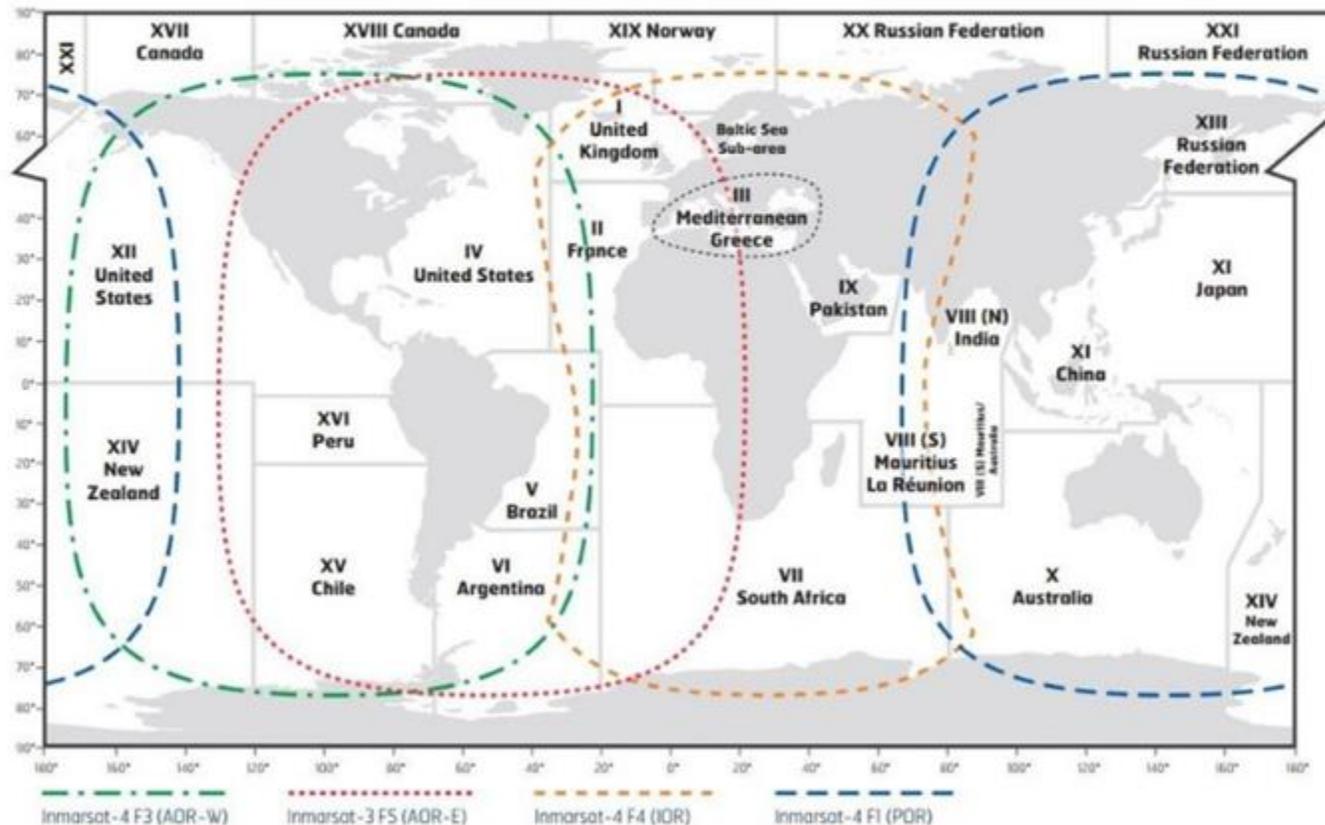
NAVAREA Warning Schedules

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

Table 3. Illustrating the availability of Navigational MSI in all areas and nominated satellites as of July 2016.

Note: this information is subject to change; to obtain latest information you should refer to a current publication of Lists of Radio Signals, available from national administrations.

ΠΡΟΓΡΑΜΜΑ ΕΚΠΟΜΠΩΝ ΜΕΤΑΡΕΑΣ



This map depicts Inmarsat's expectations of coverage. It does not represent a guarantee of service. The availability of service at the edge of coverage areas fluctuates depending on various conditions.
© Inmarsat Global Limited 2019.

Figure 3 METAREAs Inmarsat C / Mini C

METAREA Warning Schedules

METAREA	ISSUING COUNTRY	TIMES (UTC)	SATELLITE
I	United Kingdom	0930, 2130	AOR (E)
II	France	1015, 2215	AOR (E) & (W)
III	Greece	1000, 2200	AOR (E)
IV	United States	0430, 1030, 1630, 2230	AOR (E) & (W)
V	Brazil	0730, 1930	AOR (E)
VI	Argentina	0230, 1730	AOR (W)
VII	South Africa	0940, 1940	AOR (E) & IOR
VIII	India	0900, 1800 (for North of equator)	IOR
	Mauritius/La Réunion	0130, 1330 (for South of equator)	
IX	Pakistan	0630, 0700, 1830	IOR
X	Australia	1030, 2330 (for coastal areas see Annex 8, page 3, MET Area X)	IOR
		1100, 2300 (for coastal areas see Annex 8, page 3, MET Area X)	POR
XI	China	1015, 2215	IOR
	Japan	0230, 0830, 1430, 2030	POR
XII	United States	0545, 1145, 1745, 2345	POR & AOR (W)
XIII	Russian Federation	0930, 2130	POR
XIII	Japan*	0230, 0830, 1430, 2030 (for South of 60° N)	
XIV	New Zealand	0930, 2130 0100, 1300 (NZ Coast only) 0330, 1530 (Warnings only))	POR
XV	Chile	0100, 0345, 1330, 1440, 1845	AOR (W)
XVII	Canada	0300, 1500	POR
XVIII	Canada	0300, 1500	AOR (W)
XIX	Norway	1100, 2300	AOR-E
XX	Russian Federation	0600, 1800	IOR
XXI	Russian Federation	0600, 1800	POR

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

NAV = Navigational warnings

MET = Meteorological information

SAR = Search and rescue alerts

* = NAVAREA Coordinator responsible for the area

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

ANNEX 8
THE INTERNATIONAL SAFETYNET SERVICE

NAV/MET Area	Type of Information	Country	LES/LESO	Ocean Region/LES ID	MSI Coastal Warning Area (1) (if applicable)	Broadcast schedule (UTC)	Status of Implementation
I	NAV	United Kingdom	SafetyNet II	AORE, AORW, IOR		0530,1730	Operational
I	MET	United Kingdom	Burum/Stratos	AORE		0930,2130	Operational
I	SAR	Germany	Raisting	AORE, IOR			Operational
I	SAR	Netherlands	Burum Stratos Global	AORE, AORW, IOR, POR			Operational
I	SAR	Norway	Eik	AORE			Operational
I	SAR	United Kingdom	RescueNet	AORE, AORW, IOR, POR			Operational
II	NAV	France	Aussaguel	AORE		0430,1630	Operational
II	MET	France	Aussaguel	AORE, AORW		1015,2215	Operational
II	SAR	France	Aussaguel	AORE, AORW			Operational
II	SAR	Morocco	SAFETY NET II	AORW		On demand	Operational
III	NAV	Spain	Eik	AORE		1200,2400	Operational
III	MET	Greece	Burum	AORE		1000,2200	Operational
III	SAR	Cyprus	Eik	AORE, IOR			Operational
III	SAR	Greece	Burum	AORE, IOR	Greek SAR region		Operational
III	SAR	Spain	Eik	AORE, AORW, IOR			Operational
IV	NAV	United States	SafetyNET II	AORE, AORW		1000,2200	Operational
IV	MET	United States	Southbury	AORE, AORW		0430,1030,1630,2230	Operational
IV	SAR	Canada	Burum [Stratos]	AORE, AORW	Canadian SRR		Operational
IV	SAR	France	Aussaguel	AORW		0900,2100	Operational
IV	SAR	United States	Southbury	AORE, AORW			Operational
V	NAV	Brazil	Burum	AORE		0030,1230	Operational
V	MET	Brazil	Burum	AORE		0730,1930	Operational
V	SAR	Brazil	Burum	AORE			Operational
VI	NAV	Argentina	Eik (Norway)	AORW		0200,1400	Operational
VI	MET	Argentina	Eik (Norway)	AORW		1200,0000	Operational
VI	SAR	Argentina	Eik (Norway)	AORW			Operational
VII	NAV	Mayotte (France)	Aussaguel	IOR		0330,1530	Operational
VII	NAV	Réunion (France)	Aussaguel	IOR		0040,1240	Operational
VII	NAV	South Africa	Station 12	AORE, IOR		0940,1940	Operational
VII	MET	South Africa	Burum	AORE, IOR		0940,1940	Operational

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

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GMDSS
ANNEX 8

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THE INTERNATIONAL SAFETYNET SERVICE

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NAV/MET Area	Type of Information	Country	LES/LESO	Ocean Region/LES ID	MSI Coastal Warning Area (1) (if applicable)	Broadcast schedule (UTC)	Status of Implementation
VII	SAR	France	Aussaguel	IOR			Operational
VII	SAR	South Africa	Burum	AORE, IOR		On demand	Operational
VIII	NAV	India	Pune	IOR		1000,2200	Operational
VIII	MET	France	Aussaguel	IOR		0040,1240	Operational
VIII	MET	India	Pune	IOR		0900,1800	Operational
VIII	MET	Mauritius	Aussaguel	IOR		0130,1330	Operational
VIII	MET	Mauritius	Aussaguel	AORE, IOR		0000,0600,1200,1800	Operational
VIII	SAR	France	Aussaguel	IOR			Operational
VIII	SAR	India	Pune	IOR			Operational
IX	NAV	Pakistan	Burum	IOR		0300,1500	Operational
IX	MET	Pakistan		IOR		0630,0700,1830	Operational
IX	SAR	Pakistan		IOR			Operational
X	NAV	Australia	Perth 212, 312	IOR, POR		0700,1900	Operational
X	MET	Australia	Perth 212	POR	Bass Strait (Coastal Area D)	0715,1930	Operational
X	MET	Australia	Perth 212	POR	High Seas – North Eastern, South Eastern, Western & Northern Areas	1100,2300	Operational
X	MET	Australia	Perth 212	POR	Torres Strait (Use EGC rectangular area)	0600,1845	Operational
X	MET	Australia	Perth 212	POR	Northern Territory (Cape Fourcroy to NT-Qld Border) (Coastal Areas G & H)	0630,1915	Operational
X	MET	Australia	Perth 312	IOR	High Seas - Western	1030,2330	Operational
X	MET	Australia	Perth 312	IOR	Northern Territory (WA-NT Border to Cape Fourcroy) (Coastal Areas F & G)	0830,2030	Operational
X	SAR	Australia	Perth 212, 312	IOR, POR	Australian SRR as per ALRS Volume V		Operational
X	SAR	France	Aussaguel	POR	Zone N		Operational
XI	NAV	Japan	Yamaguchi	IOR, POR		0005,1205	Operational
XI	MET	China	Beijing	IOR	IOR area in AREA XI	0330,1530	Operational
XI	MET	Japan	Singapore	POR	POR area in AREA XI	0230,0830,1430,2030	Operational

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

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XI	SAR	Hong Kong, China	SafetyNET II/ SafetyNET I through Perth [Beijing]	POR			Operational
XI	SAR	Indonesia	Perth	IOR, POR			Operational
XI	SAR	Japan	Yamaguchi	IOR, POR	North of 17oN, West of 165oE		Operational
XI	SAR	Malaysia	Singapore	IOR, POR			Operational
XI	SAR	Singapore	Sentosa	IOR, POR			Operational
XI	SAR	Thailand	Nonthaburi	IOR		On demand	Operational
XI	SAR	Viet Nam	Hai Phong LES	POR		On demand	Operational
XII	NAV	United States	SafetyNET II	AORW, POR		1030,2230	Operational
XII	MET	United States	Santa Paula/Southbury	AORW, POR		0545,1145,1745,2345	Operational
XII	SAR	Canada	Burum [Stratos]	AORW, POR	Canadian SRR		Operational
XII	SAR	United States	Santa Paula/Southbury	AORW, POR	United States SRR		Operational
XIII	NAV	Japan	Perth	POR	South of 60oN in AREA XIII	0930,2130	Operational
XIII	NAV	Russian Federation	Nudol	POR		0930,2130	Operational
XIII	MET	Japan	Yamaguchi	POR	South of 60oN in AREA XIII	0230,0830,1430,2030	Operational
XIII	MET	Russian Federation	Nudol	POR		0930,2130	Operational
XIII	SAR	Russian Federation	Nudol	POR	Russian Federation SRR		Operational
XIV	NAV	French Polynesia (France)	Southbury	POR		0250,1450	Operational
XIV	NAV	New Caledonia (France)	Aussaguel	POR		0140,1340	Operational
XIV	NAV	New Zealand	SafetyNET II	AORW, POR	Z (See figure annexed)	0900,2100	Operational
XIV	MET	New Zealand	Burum	AORW, POR		0030, 0930, 1230, 2130	Operational
XIV	SAR	France	Aussaguel	POR	Zone D		Operational
XIV	SAR	New Zealand	SafetyNET II/RescueNET	AORW, POR		On demand	Operational
XV	NAV	Chile	Southbury	AORW		0210,1410	Operational
XV	MET	Chile	Southbury	AORW		0100,1330,1440,0345,1845	Operational
XV	SAR	Chile	Southbury	AORW	Chilean SRR Region	On demand	Operational
XVI	NAV	Peru	Southbury	AORW		0500,1700	Operational
XVI	MET	Peru	Southbury	AORW		11:20,23:20	Operational
XVI	MET	United States	Southbury	AORW		0515,1115,1715,2315	Operational

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NAV/MET Area	Type of Information	Country	LES/LESO	Ocean Region/LES ID	MSI Coastal Warning Area (1) (if applicable)	Broadcast schedule (UTC)	Status of Implementation
XVI	SAR	Peru	Southbury	AORW			Operational
XVII	NAV	Canada	SafetyNET II	AORE, AORW, POR		1130,2330	Operational
XVII	MET	Canada	Burum [Stratos]	POR		0300,1500	Operational
XVII	SAR	Canada	Eik	AORW, POR	Canadian SRR		Operational
XVIII	NAV	Canada	SafetyNET II	AORE, AORW		1100,2300	Operational
XVIII	MET	Canada	Burum [Stratos]	AORW		0300,1500	Operational
XVIII	SAR	Canada	Eik	AORE, AORW	Canadian SRR		Operational
XIX	NAV	Norway	Eik	AORE		0630,1830	Operational
XIX	MET	Norway	Eik	AORE		1100,2300	Operational
XIX	SAR	Norway	Eik	AORE			Operational
XX	NAV	Russian Federation	Nudol	IOR		0530,1730	Operational
XX	MET	Russian Federation	Nudol	IOR		0600,1800	Operational
XX	SAR	Russian Federation	Nudol	IOR			Operational
XXI	NAV	Russian Federation	Nudol	POR		0630,1830	Operational
XXI	MET	Russian Federation	Nudol	POR		0600,1800	Operational
XXI	SAR	Russian Federation	Nudol	POR			Operational

NCS	NCS Common Channel	
	Channel No	Frequency
EMEA (AOR – E)	12580	1541,45 MHz
APAC (POR)	12580	1541,45 MHz
MEAS (IOR)	10840	1537,10 MHz
AMER (AOR-W)	11080	1537,70 MHz

Enhanced Group Call (EGC)



LES 112 - MSG 11497 - MetWarn/For Safety Call to Area: 1 – NoPos

NL BURUM LES 1-NOV-2019 09:25:35 997803

SECURITE

HIGH SEAS BULLETIN FOR METAREA 1 ISSUED AT 0800 UTC 01 NOVEMBER 2012 BY THE MET OFFICE, EXETER, UNITED KINGDOM FOR THE PERIOD 0800 UTC 01 NOVEMBER UNTIL 0800 UTC 02 NOVEMBER 2012

STORM WARNING

AT 010000UTC, LOW 51 NORTH 39 WEST 1006 EXPECTED 63 NORTH 20 WEST 982 BY 020000UTC. WINDS ARE EXPECTED TO REACH STORM FORCE 10 BETWEEN 50 AND 300 MILES OF THE CENTRE IN THE EASTERN, SOUTHERN AND WESTERN QUADRANTS FROM 011500UTC, PERHAPS VIOLENT STORMFORCE 11 FROM 012200UTC

GENERAL SYNOPSIS

AT 010000UTC, LOW 51 NORTH 39 WEST 1006 EXPECTED 63 NORTH 20 WEST 982 BY 020000UTC. LOW 66 NORTH 34 WEST 982 EXPECTED 66 NORTH 32 WEST 995 BY SAME TIME. HIGH 52 NORTH 08 WEST 1038 EXPECTED 57 NORTH 05 EAST 1043 BY THAT TIME AREA FORECASTS

FOR THE NEXT 24 HOURS

WEST SOLE

VARIABLE 4, BECOMING SOUTHEASTERLY 4 OR 5 FOR A TIME. MODERATE OR ROUGH. MAINLY FAIR. GOOD

EAST SOLE

NORTHEASTERLY 4 OR 5. MODERATE OR ROUGH. FAIR. GOOD

SHANNON ...

ROCKALL ...

BAILEY ...

FAEROES SOUTHEAST ICELAND ...

EAST NORTHERN SECTION ...

WEST NORTHERN SECTION ...

EAST CENTRAL SECTION ...

WEST CENTRAL SECTION ...

DENMARK STRAIT ...

NORTH ICELAND ...

NORWEGIAN BASIN ...

OUTLOOK FOR FOLLOWING 24 HOURS:

STORMS OR VIOLENT STORM EXPECTED IN BAILEY, FAEROES, SOUTHEAST ICELAND, EAST NORTHERN SECTION, NORTH ICELAND AND NORWEGIAN BASIN. SEVERE GALES EXPECTED IN ROCKALL AND WEST NORTHERN SECTION. GALES OR SEVERE GALES EXPECTED IN WEST CENTRAL SECTION AND DENMARK STRAIT

LES 321 - MSG 16362 - CoastalWarn Safety Call to Area: 8 D A – PosOK

LES21 FRANCE TELECOM 20890000006 5-NOV-2019 00:41:55 551725

THIS IS MRCC REUNION (REUNION ISLAND)

PHONE: +262 262 43 43 43

FAX: +262 262 71 15 95

TELEX: 916 140F

INMARSAT: 422 799 193

HF SSB: 8291 KHZ

SECURITE

COAST WARNING LA REUNION 23/12

INDIAN OCEAN - SOUTH WEST SECTOR REUNION

ONE FISHING CONCENTRATION DEVICE (DCP) HAS BEEN MOORED THE 25 OCTOBER 2012 IN THE NORTH WEST OF RENION ISLAND TO THE INDICATED POSITION: 2102.444S-05503.509E (WGS 84). CAUTION ADVISED.

ONE FISHING CONCENTRATION DEVICE (DCP) HAS BEEN MOORED THE 25 OCTOBER 2018 IN THE NORTH WEST OF RENION ISLAND TO THE INDICATED POSITION: 2057.624S-05504.780E (WGS 84). CAUTION ADVISED.

Figure 11. Coastal Warning with Safety priority

(Navigational warning - "A" addressed to Coastal warning area "D" inside NAVAREA VII)

LES 312 - MSG 11517 - Met/NavWarn Safety Call to Area: 38 S 134 E 999 PosOK

NL BURUM LES 204988123456789 1-NOV-2019 11:55:08 021178

SECURITE

HIGH SEAS WEATHER WARNING FOR METAREA 10 ISSUED BY THE AUSTRALIAN BUREAU OF METEOROLOGY, ADELAIDE AT 1154UTC 1.11.2019.

GALE WARNING FOR SOUTH EASTERN AREA

PLEASE BE AWARE

ΛΗΨΗ ΜΗΝΥΜΑΤΩΝ NAVTEX ΜΕΣΩ SafetyNET

Auscoast Sea Areas



FLEETNET

Συνδρομητική υπηρεσία χαμηλής προτεραιότητας (Commercial Messaging Service). Μερικές εφαρμογές του είναι :

- ✓ Μηνύματα από την πλοιοκτήτρια εταιρεία.
- ✓ Δελτία ειδήσεων.
- ✓ Μετεωρολογικά δελτία.
- ✓ Ιατρικές οδηγίες.
- ✓ Επιχειρησιακές ειδήσεις.
- ✓ Εμπορικά μηνύματα.
- ✓ Μηνύματα από την Εθνική Αρχή Προς πλοία εθνικότητας.

A row of blue 3D question marks of varying sizes and depths, set against a light blue background. The central question mark is the largest and most prominent, with others receding into the background on either side.

ΕΡΩΤΗΣΕΙΣ