

MSI Assessment for NAVAREA II

Reporting period from 1st Jan 2021 to 31th December 2021

Submitted by France

SUMMARY

Executive Summary: Report of activities within NAVAREA II since WWNWS13

Action to be taken: Sub-committee is invited to note the report

Related documents: Document WWNWS14-2-II-Annex A

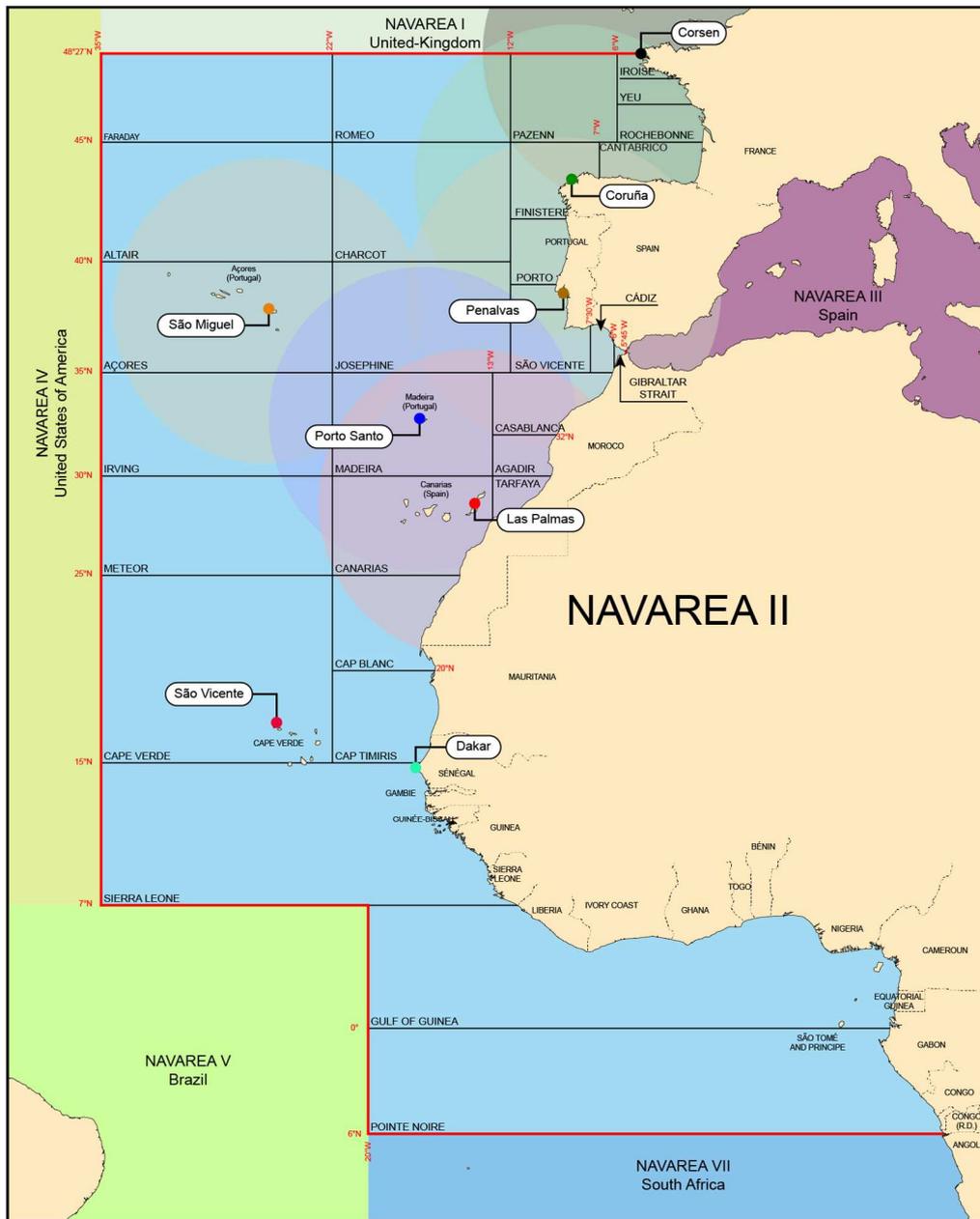
1. General information:

1.1. Geographic Boundaries of the NAVAREA including boundaries for any coastal warning Areas and NAVTEX Stations

NAVAREA II comprises of the waters of the East Atlantic and is bounded by lines joining the following positions:

48° 27' N — 004° 46' W (West Coast of France), 48° 27' N — 035° 00' W, 07° 00' N — 35° 00' W, 07° 00' N — 020° 00' W, 06° 00' S — 020° 00' W to, approximately 06° 00' S — 12° 25' E (West Coast of Africa : the Democratic Republic of Congo (DRC) international border with Angola).

Limit between NAVAREA II and NAVAREA III is meridian 005° 45' W.



1.2. Operational Points of Contact for National Co-ordinators within the NAVAREAs

COUNTRY	INSTITUTION	TELEPHONE	FACSIMILE	EMAIL
Benin	Cotonou Port Authority	+229 21 31 52 80	+229 21 31 28 91	forces.navales.benin@gmail.com vetbos@yahoo.fr
Cabo Verde	Agencia Maritima E Portuaria Cape Verde Maritime Administration	+238 232 43 42	+238 232 43 43	armino.graca@imp.cv
Cameroon	Douala Port Authority	+237 33 42 01 33	+237 33 42 67 97	georgescracite.menye@pad.cm

Congo	Pointe-Noire Port Authority (Hydrographic Service)	+242 94 00 52	+242 94 00 52	info@papn-cg.org
Congo (Dem. Rep.)	Directorate of Marine Affairs (Hydrographic Office)	+243 815 19 33 96 +243 813 66 33 57		coord.nat.rsmrdc@gmail.com patrickmusitumbu2@gmail.com
France (Atlantic Coast)	French Navy	+33 (0)2 98 22 06 19	+33 (0)2 98 37 76 58	combrest.infonaut@premar-atlantique.gouv.fr
Gabon		+241 76 23 15	+241 76 48 33	No address
Gambia, The	Gambia Port Authority	+220 422 99 40 +220 997 70 38	+220 422 72 68	info@gambiaports.gm kmanneh@gambiaports.gm
Ghana	Ghana Port Authority	+233 302 663506 +233 244 0840 91 +233 303 968564 +233 271 823282 +233 303 204153 +233 54 5761735	+233 (0)303 20 41 36	tema@ghanaports.net
Guinea	Direction Nationale de la Marine Marchande (DNMM)	+224 622 21 07 02 +224 622 12 51 86 +224 622 48 10 14 +224 622 62 18 89	+224 30 41 35 77	dnmm.guinee@gmail.com dnmmgn@yahoo.fr mrsc.guinee@gmail.com
Guinea Bissau	Bissau Harbour Master	+245 20 19 84	+245 20 19 84	capitania_bissau@yahoo.com
Ivory Coast	Abidjan Port Authority (Hydrographic Service)	+225 21 23 84 30 +225 21 23 84 31	+225 21 23 81 15	cor.navareaci@gmail.com Seydou.sangare@paa-ci.org
Liberia	MRCC Monrovia	+231 777 092229 +231 777 290158 +231 777 084 777 +231 886889738 +231 770323474		mrmrcc@lima.gov.lr mrcc.monrovia@yahoo.com
Mauritania	Ministry of Fisheries	+ (222) 45 25 61 04 + (222) 36 36 13 00	+222 525 61 04	dmm.dir@peches.gov.mr tolbamoctar@yahoo.fr tolba@mauritanie.mr
Morocco	Division Hydrographie, Océanographie, et Cartographie de la marine Royale	+212 5 22 29 40 28 +212 6 50 89 08 29		dhoc-cdiv-mr@far.ma
Nigeria	Nigerian Navy Hydrographic Office (NNHO)	+234 809 503 9888	+234 809 503 9777	msi@nnho.ng info@nnho.ng
Portugal	Instituto Hidrográfico	+351 214 401 950 +351 210 984 454	+351 214 401 954 +351 211 938 442	avisos.navegacao@marinha.pt
Senegal	MRCC Dakar	+ 221 33 826 50 01	+ 221 33 826 50 00	marinenat@orange.sn
Sierra Leone	Sierra Leone Harbour Master	+232 (0)22 22 64 80	+232 (0)22 22 64 43	sierraleoneports@yahoo.com

Spain	Salvamento Marítimo (Sasemar)	+34 917 55 91 91	+34 917 55 91 92	radioavisos.cncs@sasemar.es
Togo	Togolese Navy	+228 22 27 05 17 +228 22 23 70 80	+228 22 71 01 10	base.marine@yahoo.com

1.3. GMDSS Master Plan:

GMDSS Master Plan is updated by the French Directorate of Maritime Affairs (DGAMPA).

2. NAVAREA EGC broadcast and monitoring equipment or software:

2.1. Details of EGC services:

Broadcast Equipment/Software	Broad cast schedule/Satellite	Manufacturer/Location (LES)/Implementation
SafetyNET II	0430 and 1630	Inmarsat
Monitoring Equipment/Software		Manufacturer/Software
SafetyNET II		Inmarsat
Felcom 16		Furuno

2.2. NAVTEX:

B ₁ 518 kHz	B ₁ 490 kHz	NAVTEX Station	Email	Telephone	Status
A	E	Corsen, France	corsen@mccfr.eu	+33 2 988 93 131	Not operational
D	W	Coruña	radioavisos.cncs@sasemar.es	+34 917 55 91 91	Operational
C	M	Dakar	marinenat@orange.sn	+221 338 69 23 26	Not operationnal
A	I	Las Palmas	radioavisos.cncs@sasemar.es	+34 917 55 91 91	Operationnal
R	G	Penalva	comar.dir@marinha.pt	+351 210 91 94 19	Operationnal
P	M	Porto Santo	comar.dir@marinha.pt	+351 291 21 31 12	Operationnal
F	J	São Miguel	comar.dir@marinha.pt	+351 296 10 11 80	Operationnal
U	P	São Vicente	s.movelmartimo@cvtelecom.cv	+238 232 21 58	Not operationnal
G	T	Tarifa	radioavisos.cncs@sasemar.es	+34 917 55 91 91	Operationnal

2.3. Other methods of promulgation:

France is developing a national platform for nautical information named PING. This web platform will constitute a shared information system for the transmission, formatting and digitization and posting on the Internet of nautical information.

The principles of operation are the following in the field of navigational warnings:

- The platform includes a web portal with production tools for national producers of series of navigational warnings (Shom as NAVAREA II and French regional authorities coordinated by Shom for coastal and local warnings). The navigational warnings are created by the operators using the S-124 data model. The S-53* form of each navigational warning is automatically generated from the S-124 data to feed legacy broadcast systems (NAVTEX, EGC).
- Navigational warnings produced are displayed on PING's public portal. Navigational warnings data for client systems are available through two web protocols: a S-124 REST API* and a WFS* flow for GIS systems. Dedicated exchanges based on REST protocol or file deposit supply S-53* navigational warnings to NAVTEX stations and EGC systems and S-124 data to future broadcast systems able to carry data at sea.

The part of PING related to navigational warnings was largely carried out in the framework of the MED OSMOSIS project of the European Union. In this context, a testing phase was conducted from October 2021 to April 2022. Thus, Croatia, Greece, France, Italia, Portugal and Spain (NAVAREA III) made successful tests. The trials included either testing the production tools or integrating the WFS into partners marine monitoring system to improve situational awareness.

For the time being, PING is based on the draft of S-124. It will be aligned on with S-124 1st edition when published.

PING should be deployed operationally in 2023 in mainland France, then in French overseas territories.

It is planned that the PING will be open source.

(*): S-53: Joint IMO/IHO/WMO Manual on Maritime Safety Information - IHO Publication No. 53; REST API: Representational State Transfer Application Programming Interface; WFS: Web Feature Service (Open Geospatial Consortium)

3. NAVAREA Metrics

3.1. Coastal Warnings issued by International NAVTEX or EGC coastal warning area:

Country	NAVTEX station name	B1 Character or Coastal Warning Area	Broadcast schedule times UTC (only for EGC)	2021			
				Total number of warnings broadcast	Number of warnings broadcast with urgent priority (EGC) or vital (NAVTEX)	Total number of warnings broadcast, including repetitions	Broadcast data in megabytes
Açores (Portugal)	São Miguel	[F] [J]	N/A	3375	924	10840	16
Canarias, Islas (Spain)	Las Palmas	[A] [I]	N/A	<i>Information not available</i>	17 vital	<i>Information not available</i>	<i>Information not available</i>
Cabo Verde	São Vicente (off air since 2013)	[U] [P]	N/A	N/A	N/A	N/A	N/A
France (Atlantic Coast)	Corsen	[A] [E]	N/A	595	536	1131	<i>Information not available</i>
Madeira (Portugal)	Porto Santo	[P] [M]	N/A	2256	276	6429	11
Portugal	Penalva	[R] [G]	N/A	5274	793	22610	18
Senegal	Dakar	[C] [M]	N/A	<i>Information not provided</i>	<i>Information not provided</i>	<i>Information not provided</i>	<i>Information not provided</i>
Spain (North Coast)	Coruña	[D] [W]	N/A	<i>Information not available</i>	None	<i>Information not available</i>	<i>Information not available</i>
Spain (South Coast)	Tarifa	[G] [T]	N/A	<i>Information not available</i>	3 vital	<i>Information not available</i>	<i>Information not available</i>

				2022			
Country	NAVTEX station name	B1 Character or Coastal Warning Area	Broadcast schedule times (UTC)	Total number of warnings broadcast	Number of warnings broadcast with urgent priority (EGC) or vital (NAVTEX)	Total number of warnings broadcast, including repetitions	Broadcast data in megabytes
Açores (Portugal)	São Miguel	[F] [J]	0050 - 0450 - 0850 - 1250 - 1650 - 2050 0130 - 0530 - 0930 - 1330 - 1730 - 2130 (490 kHz in Portuguese)	1764	168	6845	5
Canarias, Islas (Spain)	Las Palmas	[A] [I]	0000 - 0400 - 0800 - 1200 - 1600 - 2000 (490 kHz in Spanish) 0120 - 0520 - 0920 - 1320 - 1720 - 2120	<i>Information not available</i>	<i>Information not available</i>	<i>Information not available</i>	<i>Information not available</i>
Cabo Verde	São Vicente (off air since 2013)	[U] [P]	0320 - 0720 -1120 - 1520 - 1920 - 2320 0230 - 0630 - 1030 - 1430 - 1830 - 2230 (490 kHz in Portuguese)				
France (Atlantic Coast)	Corsen	[A] [E]	0000 - 0400 - 0800 - 1200 - 1600 - 2000 0040 - 0440 - 0840 - 1240 - 1640 - 2040 (490 kHz in French)	388	340	728	<i>Information not available</i>
Madeira (Portugal)	Porto Santo	[P] [M]	0230 - 0630 - 1030 - 1430 - 1830 - 2230 0200 - 0600 - 1000 - 1400 - 1800 - 2200 (490 kHz in Portuguese)	1148	57	3676	4

Portugal	Penalva	[R] [G]	0250 - 0650 - 1050 - 1450 - 1850 - 2250 0100 - 0500 - 0900 - 1300 - 1700 - 2100 (490 kHz in Portuguese)	3015	146	12799	7
Senegal	Dakar	[C] [M]	0020 - 0420 - 0820 - 1220 - 1620 - 2020 0200 - 0600 - 1000 - 1400 - 1800 - 2200 (490 kHz in French)				
Spain (North Coast)	Coruña	[D] [W]	0030 - 0430 - 1230 - 1630 0340 - 0740 - 1540 - 1940 (490 kHz in Spanish)	<i>Information not available</i>	<i>Information not available</i>	<i>Information not available</i>	<i>Information not available</i>
Spain (South Coast)	Tarifa	[G] [T]	0100 - 0500 - 1300 - 1700 0310 - 1110 - 1510 - 2310 (490 kHz in Spanish)	<i>Information not available</i>	<i>Information not available</i>	<i>Information not available</i>	<i>Information not available</i>

3.2. NAVAREA Warnings broadcasts:

Provider	2020			2021			2022		
	Total number of warnings issued	Total number of warnings broadcast, including repetitions	Broadcast data in megabytes	Total number of warnings broadcast	Total number of warnings broadcast, including repetitions	Broadcast data in megabytes	Total number of warnings broadcast	Total number of warnings broadcast, including repetitions	Broadcast data in megabytes
SafetyNet	339			479			242	12346	3332

3.3. Urgent EGC Warnings:

2020 : 55 – 2021 : 34 – 2022 : 12 (1st Jan to 30th Jun)

3.4. VITAL Coastal Warnings:

Spain : Information regarding search and rescue, sometimes due to migrant boats overloads and sinking offshore, sometimes due to COSPAS-SARSAT alerts confirmed.

Portugal : 12 vital warnings were transmitted on the navtex.

- (2) Vessel sink.
- (5) Man overboard.
- (1) Lifeboat ah drift with 1 pob.
- (2) Epirb alert, rudderless sailing boat with broken masts.
- (1) Sailboat missing with 2 pob
- (1) Ship adrift with 36 pob.

3.5. In-force warnings.

3.5.1. In-force bulletins issued:

The "IN FORCE" bulletins are broadcast every Sunday. Mariners can access the list of NAVAREAs in force via the SHOM website (<https://diffusion.shom.fr/pro/navarea-en-vigueur>).

The bulletins in force are sent by e-mail to the ships that individually request them.

3.5.2. Requests for In-force warnings:

2020	2021	2022
Total	Total	Total
786	695	291 (1 st Jan to 30 th Jun)

3.6. Arctic navigational warnings broadcast by HF NBDP.

NTR

4. Operational Issues:

The NAVTEX station of Corsen is off air since 23rd of July 2022 and is not expected to return to full operational capacity before 2023.

The coastal navigational warnings are broadcast via SafetyNet by the NAVAREA II coordinator in a circle of 300 NM centered on the Stiff lighthouse (Ushant island) at NAVAREA II scheduled times. A NAVAREA warning informs the mariners of the failure and of the ways to recover the coastal warnings (delegate coordinator website). The In-force coastal navigational warnings are also delivered with the in force NAVAREA warnings in response to the request of In-force warnings.

French administration has started a reflection about means of replacement of its NAVTEX stations.

5. National Co-ordinator Communication:

5.1. IRCC Strategic Performance Indicator:

NAVAREA II did not receive any MSI in 2021 from the following Coastal States and was unable to successfully communicate with them:

- Benin
- Cameroon
- Equatorial Guinea

- Gabon
- Guinea
- Guinea Bissau
- Nigeria
- Sao Tome and Principe
- Sierra Leone

5.2. Procedures.

The completion of the Self assessment is always used to verify the details of all points of contact within the NAVAREA II, regardless of the amount of information they might have provided during the last year.

6. Contingency Planning:

In case of Internet network failure, the connection will be ensured by the use of a laptop, a 4G dongle and a spare email address. The correct functioning of the laptop, dongle and spare mobile telephone is tested every Monday and the test is registered.

In case of COVID infection, a 3 offices organisation would be set up, one for each shift. The modification of shifts in case of unplanned duty officer absence is set up in an organisation note and presented to any new entrant.

7. Capacity Building:

Awareness-raising actions for decision-makers in order to set up an efficient and sustainable organisation for the collection and dissemination of MSI, as well as training actions for operators are necessary in almost all Western and Central African coastal states. The table below summarises the capacity building actions carried out in relation to MSI:

Coastal State	Last CB generic activities ¹	Last CB MSI-specific activities ²
Benin	2003 (TV), 2018 (AS)	2009 (TC), 2014 (TC), 2017 (eL)
Cabo Verde	2003 (TV), 2017 (TV)	-
Cameroon	2011 (TV), 2018 (AS), 2019 (training center visit)	2014 (TC)
Congo	2003 (TV), 2018 (AS)	2014 (TC)
Côte d'Ivoire	2018 (AS)	2009 (TC), 2014 (TC), 2017 (eL)
Democratic Republic of the Congo	2003 (TV), 2018 (AS)	2014 (TC)
Equatorial Guinea	2003 (TV), 2018 (AS)	-
France	N/R	N/R
Gabon	2003 (TV), 2012 (TV), 2018 (AS), 2019 (training center visit)	2014 (TC), 2017 (eL)
Gambia	2017 (TV), 2018 (AS), 2019 (TV)	2009 (TC), 2017 (TC)
Ghana	2003 (TV), 2018 (AS), 2019 (training center visit)	2009 (TC)
Guinea	2003 (TV), 2018 (AS)	2009 (TC), 2014 (TC)

Guinea-Bissau	2003 (TV), 2012 (TV)	2009 (TC)
Liberia	2016 (TV), 2018 (AS)	2018 (TC)
Mauritania	2003 (TV)	2009 (TC)
Morocco	2018 (AS)	2019 (OJT & S/W), 2020 (OJT)
Nigeria	2003 (TV), 2018 (training center visit), 2018 (AS)	2009 (TC), 2014 (TC), 2018 (OJT)
Portugal	N/R	N/R
Sao Tome and Principe		-
Senegal	2003 (TV), 2018 (AS)	2009 (TC), 2014 (TC)
Sierra Leone	2003 (TV)	-
Spain	N/R	N/R
Togo	2003 (TV), 2018 (AS)	2009 (TC), 2014 (TC), 2017 (eL)

In addition to training activities for operational staff in the chain of collection and dissemination of MSI, it is essential to raise awareness of MSIs among decision-makers, particularly during high-level and technical visits.

The following actions are planned for 2022:

- Technical visit to Morocco [CBWP2022: Action A-09] (foreseen to be carried out in November 2022);
- Technical visit to Sierra Leone [CBWP2022: Action A-04];
- Technical visit to Guinea Bissau [CBWP2022: Action A-06], depending on IHO funding;
- Seminar: Relationship with NAVAREA II and PCAs-Risk assessment - Survey specification [CBWP2022: Action P-14], Cabo Verde September 2022

The S-100 seminar on the future of hydrographic products and services [CBWP2021: Action P-10], which was initially planned in 2021, will be postponed to 2023 in order to focus in 2022 on a seminar more suited to the needs of the EAthC members: relationship with NAVAREA II and PCAs – Risk assessment – Survey specification. In compliance with Decision 5 of CBSC19 intersessional meeting, this EAthC seminar will benefit from IHO funding that was foreseen for the postponed EAthC seminar in 2021 [CBWP2021: Action P-32].

8. Other Activities:

Since WWNWS-SC 13, NAVAREA II coordinator participated in:

- 16th Conference of the Eastern Atlantic Hydrographic Commission (EAthC16);
- 5th IHO Council;
- 22nd Conference of the Meso American & Caribbean Sea Hydrographic Commission (MACHC22);
- 19th Conference of the South West Pacific Hydrographic Commission (SWPHC19);
- 23rd Conference of the Mediterranean and Black Seas Hydrographic Commission (MBSHC23);
- 35th Conference of the North Sea Hydrographic Commission (NSHC35);
- 18th Conference of the Southern African and Island Hydrographic Commission (SAIHC18);

- 14th meeting of the Hydrographic Services and Standards Committee (HSSC14);
- 18th Conference of the Hydrographic Commission on Antarctica (HCA18);
- 20th meeting of the Capacity Building Sub-Committee (CBSC20);
- 14th meeting of the Inter-Regional Coordination Committee (IRCC14);
- 9th session of the IMO Sub-Committee on Navigation, Communications and Search & Rescue (NCSR9);
- 20th Document Review Working Group (DRWG20);
- IMO Correspondance Group on Dissemination of MSI and SAR-related information.

9. NAVAREA Website:

All NAVAREA II In-force warnings are available on the Shom website (<http://www.diffusion.shom.fr/navarea-en-vigueur/>). This page is updated at every SafetyNet II scheduled broadcast, the date and time of the last update are displayed on the top.

Coastal and local navigational warnings are available on 9 French Delegated National Coordinators websites:

<http://www.premar-manche.gouv.fr/avis-urgents-aux-navigateurs.html> (in NAVAREA I area);

<http://www.premar-mediterranee.gouv.fr/avis-urgents-aux-navigateurs.html> (in NAVAREA III area);

<http://www.premar-atlantique.gouv.fr/avis-urgents-aux-navigateurs.html> (in NAVAREA I and NAVAREA II areas);

<http://infonautilles.weebly.com/> (in NAVAREA IV area);

<http://www.guyane.pref.gouv.fr/Politiques-publiques/Securite/Securite-nautique> (French Guiana, in NAVAREA IV area);

<http://www.saint-pierre-et-miquelon.developpement-durable.gouv.fr/avis-aux-navigateurs-anurnav-r107.html> (St Pierre-et-Miquelon, in NAVAREA IV area);

<http://www.mrcc.nc/information-nautique> (New Caledonia, in NAVAREA X and NAVAREA XIV areas);

<http://www.jrcc.pf/infonaut/> (French Polynesia, in NAVAREA XIV area);

<http://www.czm-reunion.defense.gouv.fr/index.php/informations-nautique> (La Reunion, in NAVAREA VII and VIII).

10. NAVAREA Contact Information:

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 Service hydrographique et océanographique de la marine
 13 Rue du Chatellier
 CS 92803
 29228 BREST CEDEX 2
 France
 Tel: +33 (0)2 56 31 24 24 / +33 (0)2 98 22 16 67 (Duty officer : H24)
 Mobile : +33 (0)6 24 80 08 92 (spare)
 E-mail: coord.navarea2@shom.fr (H24)
 E-mail: coord.navarea2@gmail.com (spare)
 Website: <http://diffusion.shom.fr/navarea-en-vigueur>

Please note the withdrawal of the fax.

11. Recommendations:

None.

12. Actions requested:

The Sub-Committee is invited to note the report.

13. Summary:

The NAVAREA II Coordinator introduced the Self-Assessment Report, document WWNWS14/2/1- II.

She raised the issue of the obsolescence of the NAVTEX stations both in France and in others coastal states within the NAVAREA II.

She noted the holding of an MSI course on the occasion of the EAHC in September in Mindelo (Cabo Verde). A lot is expected from this course and the following meeting to greatly improve the relations with the national coordinators and MSI contributors within the NAVAREA.

She shortly presented the “PING” platform France is developing, a shared information system for the transmission, formatting and digitization and posting on the Internet of nautical information hosted on a web platform.

Annex(es):

- A. Self Assessment Spreadsheet - Document WWNWS14-2-II-Annex A