

MSI Self-Assessment NAVAREA II

Submitted by France

SUMMARY

Executive Summary: Report of activities within NAVAREA II since WWNWS 10

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

Related documents: None

1. Background:

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.

SafetyNET satellite: AOR-E,

LES: Burum

SafetyNET II Satellite broadcast service provider: Inmarsat

Schedule broadcast: 0430, 1630 UTC

Operational Points of Contact for National Co-ordinators within the NAVAREA

| 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 | Instituto Maritimo Portuario Cape Verde Maritime Administration | +238 232 43 42 | +238 232 43 43 | capitaniasv@cvtelecom.cv |
| Cameroon | Douala Port Authority | +237 33 42 01 33 | +237 33 42 67 97 | portdouala@iccnnet2000.com |
| 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 |
| 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.com |
| Ghana | Ghana Port Authority | +233 (0)302 66 35 06 +233 (0)303 96 85 64 +233 (0)303 20 41 53 | +233 (0)303 20 41 36 | tema@ghanaports.net |
| Guinea | Conakry Port Authority (Hydrographic Service) | +224 622 62 18 89 +224 622 21 07 02 +224 622 12 51 86 +224 622 48 10 14 | +224 30 41 35 77 | dnmm.guinee@gmail.com mrcs.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 63 | +225 21 23 81 15 | cor.navareaci@gmail.com Seydou.sangare@paa-ci.org seysangare@yahoo.fr |
| Liberia | MRCC Monrovia | +231 777 09 22 29 +231 777 09 01 58 +231 888 65 36 43 +231 777 43 03 27 | | mrmrcc@lima.gov.lr |
| Mauritania | Ministry of Fisheries | +222 525 78 93 | +222 525 61 04 | dmm.dir@peches.gov.mr |
| Morocco | Division Hydrographie, Océanographie, et Cartographie de la marine Royale | +212 (0)5 22 27 02 77 +212 (0)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 |
| 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 |

Notes : Data in red are inoperative and no contact has been yet established.

2. Comments:

2.1 It is constantly difficult to obtain information and even to keep in contact with some National Coordinators. To be noted, regular contacts established with Nigeria since the MSI national coordinator came to Shom (Brest) for a MSI training/visit in May 2018.

GMDSS Master Plan: no change

2.2 The following table shows equipment installed with NAVAREA II Operations Room

| Equipment Type | Software Version | Date of Up-date |
|--------------------|------------------|-----------------|
| FURUNO – Felcom 16 | VER 0-5 | Jan 2015 |

2.3 Specifics of information and data received

| 2016 | | | | 2017 | | | | 2018 | | | |
|--------|-----|-------|------|--------|-----|-------|------|--------|-----|-------|------|
| E-mail | Fax | Phone | Text | E-mail | Fax | Phone | Text | E-mail | Fax | Phone | Text |
| 214 | 8 | 0 | 93 | 311 | 3 | 0 | 107 | 292 | 0 | 0 | 97 |

(Text = military communications facilities)

2.4 The following table shows the number NAVAREA II warnings that were promulgated over 3yr period:

| 2016 | 2017 | 2018 |
|------|------|------|
| 398 | 489 | 504 |

NAVAREA II Warnings are broadcast on SafetyNET through the AOR(E) satellite.

The following table shows NAVAREA II warnings identified as immediate priority (requiring transmission within 30 minutes):

| 2016 | | 2017 | | 2018 | |
|-------|----------------------|-------|----------------------|-------|----------------------|
| Total | Average elapsed time | Total | Average elapsed time | Total | Average elapsed time |
| 36 | 10 Min | 73 | 10 Min | 78 | 10 Min |

Many ships entering the NAVAREA II area request to provide them by e-mail the text of all “in force” warnings.

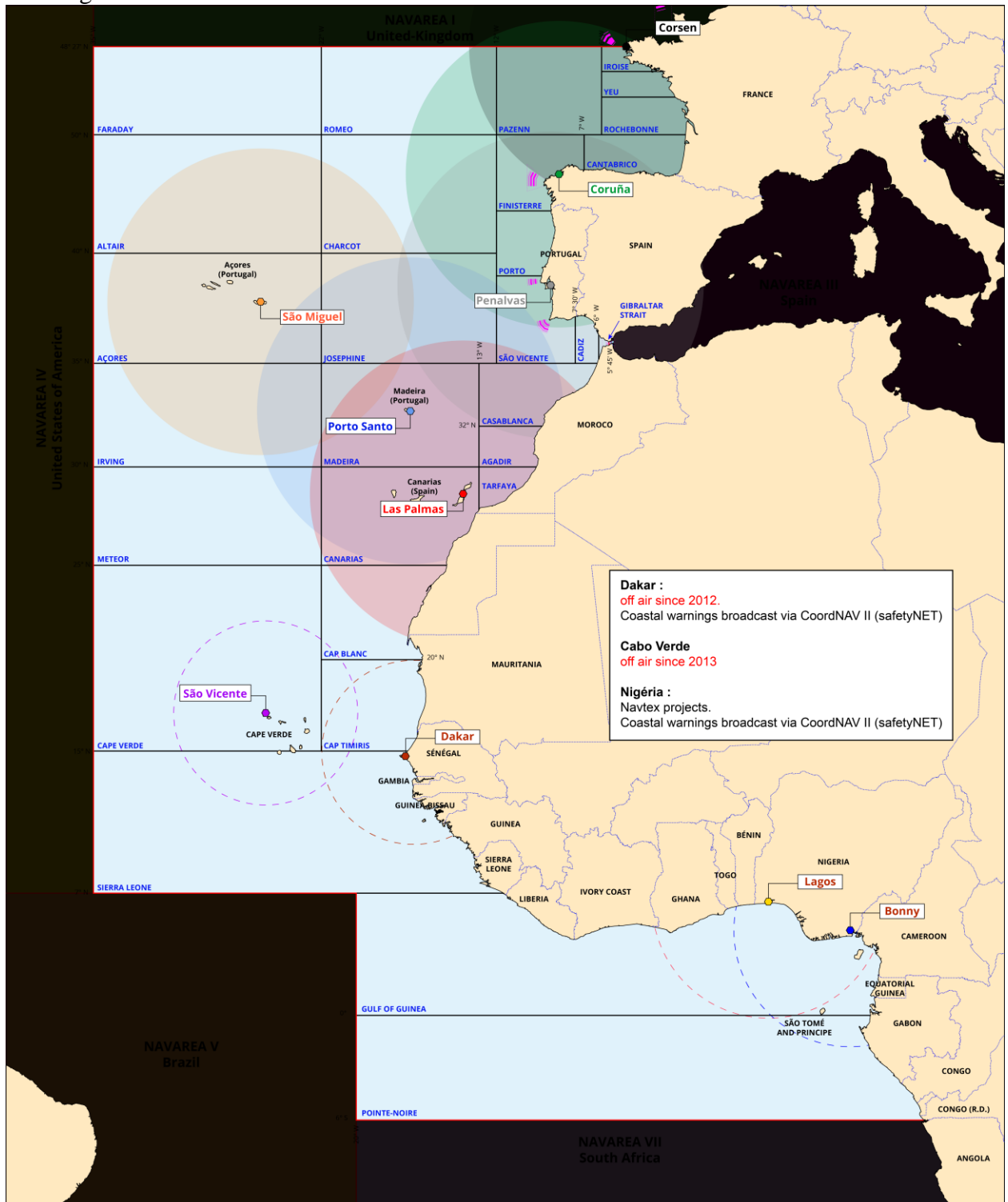
The following table shows the number of specifics requests for a list of in-force navigations warnings (re-runs)

| 2016 | 2017 | 2018 |
|------|------|------|
| 703 | 688 | 809 |

In 2019: 409 requests between 1st January and 1st July.

3. NAVTEX

Coverage:



| State | Station | Ind. | E-mail / Time (UTC) | Position / Range (n miles) |
|--------------------------------|----------------------------------|------------|---|------------------------------|
| Açores (Portugal) | São Miguel | [F] [J] | E-mail : comar.dir@marinha.pt 0050 - 0450 - 0850 - 1250 - 1650 - 2050 0130 - 0530 - 0930 - 1330 - 1730 - 2130 (490 kHz in Portuguese) | 37° 48' N — 25° 33' W 300 |
| Canarias, Islas (Spain) | Las Palmas | [A] [I] | E-mail : laspalmas@sasemar.es 0000 - 0400 - 0800 - 1200 - 1600 - 2000 (490 kHz in Spanish) 0120 - 0520 - 0920 - 1320 - 1720 - 2120 | 28° 26' N — 16° 20' W 450 |
| Cabo Verde | São Vicente (off air since 2013) | [U] [P] | E-mail : s.movelmartimo@cvtelecom.cv 0320 - 0720 - 1120 - 1520 - 1920 - 2320 0230 - 0630 - 1030 - 1430 - 1830 - 2230 (490 kHz in Portuguese) | 16° 51' N — 25° 00' W 250 |
| France (Atlantic Coast) | Corsen | [A] [E] | E-mail : corsen@mrccfr.eu 0000 - 0400 - 0800 - 1200 - 1600 - 2000 0040 - 0440 - 0840 - 1240 - 1640 - 2040 (490 kHz in French) | 48° 28' N — 5° 03' W 300 |
| Madeira (Portugal) | Porto Santo | [P] [M] | E-mail : comar.dir@marinha.pt 0230 - 0630 - 1030 - 1430 - 1830 - 2230 0200 - 0600 - 1000 - 1400 - 1800 - 2200 (490 kHz in Portuguese) | 33° 06' N — 16° 20' W 300 |
| Portugal | Penalva | [R] [G] | E-mail : comar.dir@marinha.pt 0250 - 0650 - 1050 - 1450 - 1850 - 2250 0100 - 0500 - 0900 - 1300 - 1700 - 2100 (490 kHz in Portuguese) | 38° 36' N — 9° 02' W 300 |
| Senegal | Dakar (off air since 2012) | [C] [M] | E-mail : marinenat@orange.sn 0020 - 0420 - 0820 - 1220 - 1620 - 2020 0200 - 0600 - 1000 - 1400 - 1800 - 2200 (490 kHz in French) | 14° 46' N — 17° 20' W 200 |
| Spain (North Coast) | Coruña | [D] [W] | E-mail : radioavisos.cnccs@sasemar.es 0030 - 0430 - 1230 - 1630 0340 - 0740 - 1540 - 1940 (490 kHz in Spanish) | 43° 22' N — 8° 27' W 300 |
| Spain (South Coast) | Tarifa | [G] [T] | E-mail : tarifa@sasemar.es 0100 - 0500 - 1300 - 1700 0310 - 1110 - 1510 - 2310 (490 kHz in Spanish) | 36° 01' N — 5° 33' W 300 |
| Nigéria | Lagos | | Project stage | 06° 26' N — 003° 20' E |
| | Bonny | | | 04° 24' N — 007° 11' E |

Comments:

1. - Senegal

Dakar NAVTEX station is inoperational since Mars 2012. Dakar coastal warnings are broadcast via SafetyNET by the NAVAREA II Coordinator as NAVAREA II messages.

2. - Cabo Verde

Cabo Verde NAVTEX station is inoperational since 2013. The Cabo Verde authorities indicated in June this year that they were confident the station would be operational by the end of July.

3. - Nigeria

Pending the construction of two NAVTEX stations (Lagos and Bonny, delay unknown) NNHO has requested the NAVAREA II coordinator to broadcast coastal warnings on its behalf. What has been done since may 2018.

4. Operational Issues:

4.1. Piracy

NAVAREA II Coordinator started to receive informations from NAV IV/XII about piracy in the Gulf of Guinea in December 2011.

In addition, in order to support the process of the Yaoundé Code of Conduct and the efforts of the West Africa countries in the repression of piracy and armed robbery at sea, the French and British Navies signed (15 June 2016) a Memorandum of Understanding. This led to the establishment of MDAT-GoG (Maritime Domain Awareness Trade - Gulf of Guinea) supported by two Operational Centres, in Portsmouth (UK) and Brest (France). In addition, UKHO and SHOM produced maritime security planning charts in English and French versions and created dedicated web pages (for SHOM: <http://diffusion.shom.fr/surete-golfe-guinee>).

A direct link has been established between the MDAT-GoG Centre in Brest and NAVAREA II headquarters. Since July 2016, a NAVAREA II warning is issued within minutes after the MDAT-GoG Centre has received information about an attack or a threat.

NAVAREA II piracy warnings issued (MDAT-GOG / NAV IV / XII) :

- in 2015: 02 (from NAV IV/XII)
- in 2016 : 36 (10 from MDAT-GOG)
- in 2017 : 47 (39 from MDAT-GOG)
- in 2018 : 43 (31 from MDAT-GOG)
- in 2019 (until 1st July) : 17 (14 from MDAT-GOG)

4.2. Details of MSI information received from coastal states within NAVAREA II

| Country | Provides MSI | 2017 | 2018 | 2019 | Completed MSI Training Course |
|------------------|--------------|------|------|------|-------------------------------|
| Benin | N | | | | Accra (2009) - Abidjan (2014) |
| Cabo Verde | Y | | | | - |
| Cameroon | N | | | | Abidjan (2014) |
| Congo | Y | | | | Abidjan (2014) |
| Congo (Dem. Rep) | N | | | | Abidjan (2014) |
| Cote d'Ivoire | N | | | | Accra (2009) - Abidjan (2014) |
| Gabon | Y | 1 | | | Abidjan (2014) |
| Gambia, the | N | | | | Accra (2009) |
| Ghana | N | | | | Accra (2009) |
| Guinea | Y | | | | Accra (2009) - Abidjan (2014) |
| Guinea Bissau | N | | | | Accra (2009) |

| | | | | | |
|------------------------------|---|----|----|----|---|
| Liberia | Y | | 1 | 1 | - |
| Mauritania | Y | | | 4 | Accra (2009) |
| Morocco | Y | 83 | 28 | 18 | |
| Nigeria | Y | | 5 | 1 | Accra (2009) - Capetown (2017) - Brest (2018) |
| Portugal | Y | 67 | 31 | 13 | |
| Sao Tome and Principe | N | | | | |
| Senegal | Y | 25 | 11 | 5 | Accra (2009) - Abidjan (2014) |
| Sierra leone | N | | | | |
| Spain | Y | 66 | 53 | 18 | |
| Togo | Y | | | | Accra (2009) - Abidjan (2014) |

4.3. “In force” warnings bulletins

NAVAREA II Coordinator issues every Monday an “in force” warnings bulletin. In addition, the “in force” and texts of all warnings, including warnings that are more than 42 days old, are printed in the weekly Notices to mariners. All warnings in force are also available on SHOM website (see § 9).

4.4. Maritime Safety Service

In 2016, NAVAREA II participated in testing Inmarsat's Maritime Safety Data Service (MSS). The conclusion of the evaluation is that MSS is an effective tool that constitutes a very clear improvement compared to the former EGC system.

Since 2018, Shom has contracted directly with Inmarsat for the promulgation of MSI.

5. Quality Management Survey

| NAVAREA | ISO 9001 -2008 | Promulgate “In-Force” Bulletins | Promulgate “No-Warning” Messages | Monitor Broadcast | 24/7 contact information provided | Promulgate two scheduled broadcasts | IMO Master Plan updated |
|------------|----------------|---------------------------------|----------------------------------|-------------------|-----------------------------------|-------------------------------------|-------------------------|
| NAVAREA II | YES | YES | YES | YES | YES | YES | YES |

6. Contingency Planning

In case of Internet failure, the connection can be established by Mobile Internet (laptop with 3G dongle).

In addition NAVAREA II and VII Coordinators set up in 2014 mutual support in case of access failure to SafetyNET in the AOR-E coverage area. The process was successfully tested in 2014 and in 2018 (June).

7. Capacity Building:

There is a need of MSI training for the following countries in NAVAREA II:

Priority 1:

Cabo Verde (No attendance at a MSI course – no knowledge about MSI - NAVTEX station under repair);
Liberia (Attendance at MSI course in 2018 – willingness to set up a NAVTEX station);
Sierra Leone (No attendance at a MSI course – no contact with NAVAREA II Coordinator);
Nigeria (Attendance at MSI course in 2018 in France, strong and motivated expectation of NNHO - NAVTEX stations in progress - coastal warnings broadcast by NAVAREA II coordinator since 2018).

Priority 2:

Gambia (Attendance at MSI course in 2009 - no contact with NAVAREA II Coordinator);
Ghana (Attendance at MSI course in 2009 - no contact with NAVAREA II Coordinator);
Guinea Bissau (Attendance at MSI course in 2009 - no contact with NAVAREA II Coordinator);
Mauritania (Attendance at MSI course in 2009 - contact with NAVAREA II Coordinator for inquiry regarding further MSI courses);
Cote d'Ivoire (Attendance at MSI course in 2014 – no contact with NAVAREA II Coordinator since early 2018).

During the months following the MSI course in French language, organized in December 2014 in Abidjan, contacts between the course attendees and the NAVAREA II Coordinator improved ; unfortunately they tended to decline since. Due to a lack of political will, there is no improvement in the implementation of MSI national organizations in countries where it did not exist before.

The CBSC has funded the design of a Massive Open Online Course (MOOC) on MSI. The initial version, in French only, was tested in May-June 2017 with some trainees from French-speaking countries of the EAHC. An English version of this MOOC is scheduled in the near future, which will enable the tests to be carried out on a larger scale.

NAVAREA II representatives participated in the following seminars and visits:

- Regional Awareness Seminar on Maritime Geospatial Knowledge “The provision of hydrographic services” & “New IT technologies: MSI & MSDI” (15-16 October 2018, back-to-back with the 15th EAHC, Lagos Nigeria, Shom)
- Training Centre Visit and Technical Visit (10-13 February 2019, Libreville, Gabon, Shom);
- Training Centre Visit and Technical Visit (13-16 February 2019, Douala, Cameroon, Shom);
- Training Centre Visit (24-28 March 2019, Accra, Ghana, University of Southern Mississippi).

These visits were an opportunity to raise awareness among maritime authorities of their obligations regarding the collection and dissemination of MSI and to recall the procedures to be followed (contact details of the NAVAREA II coordinator, reference documentation).

8. Other Activities:

Since WWNWS 10, NAVAREA II representatives attended the following meetings:

- Eastern Atlantic Hydrographic Commission (EAthc 18: Lagos, Nigeria, October 2018)
- IMO NCSR Meeting (NCSR 6: London, Jan 2019);
- Capacity building sub-committee (CBSC-17, Genoa, Italy, June 2019)
- Inter-Regional Coordination Committee (IRCC 11, Genoa, Italy, June 2019)

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 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:

Department "Information et Ouvrages Nautiques"

Service hydrographique et océanographique de la marine

13 Rue du Chatellier

CS 92803

29228 BREST CEDEX 2

France

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Fax: +33 (0)2 56 31 25 84

E-mail: coord.navarea2@shom.fr (H24)

E-mail: coord.navarea2@gmail.com (spare)

Website: <http://diffusion.shom.fr/navarea-en-vigueur>

11. **Recommendations:**

None

12. **Actions requested:**

Note the information provided.

13. **Summary:**

The NAVAREA II Coordinator introduced the Self-Assessment Report, document WWNWS11/3/2-II.

There is no significant change since our previous report to WWNWS10.

Annex:

A. NAVAREA II Coordinator Self Assessment Spreadsheet