

MSI Self Assessment NAVAREA I

Submitted by United Kingdom

SUMMARY

Executive Summary: Overview of activities undertaken within NAVAREA I since
WWNWS 11

Action to be taken: Paragraph 12

Related documents: None

1. Background:

NAVAREA I comprises of the waters of the NE Atlantic, including the North Sea and the area around Iceland.

Limits of NAVAREA I:

48° 27'N, 004° 46'W (France West coastline) to
48° 27'N, 035° 00'W to
66° 30'N, 035° 00'W (Greenland South East coastline) and
65° 00'N, 011° 40'E (Norwegian Coastline) to
65° 00'N, 005° 00'W to
75° 00'N, 005° 00'W to
75° 00'N, 017° 30'W (Greenland East coastline)

Navarea I has a Sub-area defined as the Baltic Sea and its approaches (Ib) which is totally autonomous in its operation of promulgating navigational warnings by NAVTEX. (Items falling within the Ib area have not been included in this report)

SafetyNET satellite broadcast service provider: Inmarsat
Warnings are transmitted at 0530-0600 UTC and 1730-1800 UTC through the Burum LES and the AOR-E satellite.

Operational Points of Contact for National Coordinators within the NAVAREA

COUNTRY	INSTITUTION	TELEPHONE	FACSIMILE	EMAIL
Belgium	Oostend Radio	+32 59 342 493	+32 59 342 467	1) rmd@mil.be 2) ostendradio@gmail.com
Denmark	Defence Command Denmark	+45 72 85 03 70	+45 72 85 03 84	mas@sok.dk
Faeroe Islands	Faeroe Islands Ministry of Fisheries	+298 351 300	+298 351 301	mrcc@vorn.fo
France	French Hydrographic Office (SHOM)	+33 2 56 31 24 24 +33 2 98 22 16 67	+33 2 56 31 25 84	coord.navarea2@shom.fr
Germany	German Hydrographic Office (BSH)	+49 2718 77283	+49 27 18 77288	seewarndienst.wsa-emd@t-online.de
Greenland	Defence Command Denmark	+299 36 40 00	-	ako@mil.dk
Iceland	Icelandic CG	+354 545 2121	+354 545 2001	sjomis@lhg.is
Ireland	Irish Dept. of Transport, Tourism & Sport	+353 166 20922	+353 166 20795	1) coastguardnmoc@dtas.gov.ie mrccdublin@irishcoastguard.ie
Netherlands	Netherlands CG	+31 2 235 42300	+31 2 236 58358	ccc@kustwacht.nl
Norway	Norwegian Coastal Administration	+47 22 42 23 31	+47 22 41 04 91	navco@kystverket.no
United Kingdom	United Kingdom Hydrographic Office	+44 1823 353448	+44 1823 322352	navwarnings@ukho.gov.uk

2. Comments:

2.1 The GISIS GMDSS Master Plan entries for NAVAREA I remain current. (Last updated with revised contact details only.)

2.2 The following table shows equipment used to monitor MSI broadcast by the Navarea I watchkeeping team. It is located either in the main or back-up Operations Areas. Additionally, by using a remote desktop connection we now have the functionality to remotely login and monitor EGC and NAVTEX broadcasts from any location where we have internet connectivity.

Equipment Type	Software Version	Date of Update
<u>For SafetyNet:</u>		
Primary: Thrane & Thrane TT3027M Inmarsat C receiver.	Easymail v2.02	12 Mar 2019
Secondary: Thrane & Thrane TT3022A Inmarsat C receiver.	Easymail v1.16	25 Feb 2013
<u>For Navtex:</u>		
Primary: ICS Nav 6 NAVTEX receiver (with eNAVTEX Desktop Monitoring system)	1.1.0.0	01 Aug 2020
Secondary: MCA V4 online NAVTEX monitoring service	Online service provided by UK MCA.	Ongoing
Tertiary: NASA Marine Target Pro NAVTEX receiver	N/A	19 Apr 2016

2.3 The following table shows the quantity and means of receipt of MSI data¹:

2017				2018				2019			
E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text
29183	-	758	-	31222	-	836	-	28697	-	28697	-

2.4 IHO Member States within your NAVAREA which have not provided MSI NAVAREA or Coastal - for 2019 and 2020 – NIL.

2.5 SafetyNET2

1). Warnings are broadcast on SafetyNET through the AOR-E satellite.

The following table shows the number of SafetyNET messages that were transmitted:

2017	2018	2019
206	198	208

2). Monitoring of MSI: EGC SafetyNET messages for the entire AOR-E footprint are constantly monitored in the NAVAREA I operations area.

¹ Navarea I started using fax to email conversion software in January 2019, and has received nil data by text.

² Iridium SafetyCAST initial test transmissions began in 2020 and so are not included in this report.

3). The following table shows the number of Navarea I warnings identified as immediate priority (requiring transmission within 30 minutes) and the average time between receipt of the data and transmission of the message on SafetyNET.

2017		2018		2019	
Total	Average elapsed time	Total	Average elapsed time	Total	Average elapsed time
7	22 mins	8	19 mins	18	22 mins

2.6 IMO EGC Coordinating Panel EGC certificate of authorization issued 08/01/20, Certificate Number 1.

2.7 Iridium SafetyCAST operational status:

NAVAREA I has signed a service agreement with Iridium and maintains an interest in all working and correspondence groups related to the implementation of SafetyCAST. Since receiving a SafetyCAST web interface, Navarea I has been providing Iridium with test messages (all new NAVAREA I warnings).

NAVAREA I is prepared to enter Initial Operating Capacity, awaiting notification from Iridium that their initial internal testing is complete, in order to do so. Presently it is too early to predict a date when Full Operating Capacity will be achieved.

2.8 The following table shows the number of requests to NAVAREA I for a list of navigational warnings in force. This service to the mariner is advertised in the weekly editions of Admiralty Notices to Mariners Bulletins (ANMBs), and in the transmitted weekly in-force messages (see item 4.2):

2017		2018		2019	
Total	Email	Total	Email	Total	Email
363	all	474	all	377	all

3 NAVTEX Coverage:

NAVAREA I warnings are promulgated by NAVTEX where applicable. Coastal Warnings from all National Coordinators in Navarea I are also promulgated by NAVTEX. The map at Annex B shows Navtex Service Areas for the International Navtex Service within NAVAREA I, including the Baltic Sub-Area.

The table below shows the contact details of the Navtex stations of Navarea I (outside the Baltic Sub-Area; see the submission from Navarea Ib for that information).

NAVTEX Stations in NAVAREA I - outside Baltic Sea Sub-Area

B ₁	Navtex station	Email	Telephone
A	Corsen, France	corsen@mrccfr.eu	+33 2 988 93 131
D	Torshavn, Faeroes	mrcc@vorn.fo	+298 312 965
E&K	Niton, UK	zone8@hmcg.gov.uk	+44 1262 672317
G	Cullercoats, UK	zone8@hmcg.gov.uk	+44 1262 672317
L	Rogaland, Norway	kystradio.sor@telenor.com	+47 51 68 36 01
N	Orlandet, Norway	kystradio.nord@telenor.com	+47 75 52 89 25
O	Portpatrick, UK	zone8@hmcg.gov.uk	+44 1262 672317
P	Den Helder, Netherlands	ccc@kustwacht.nl	+31 223 542 300
Q	Malin Head, Ireland	mrscmalin@dtas.gov.ie	+353 74 93 70 103
R	Saudanes, Iceland	reyrad@lhg.is	+354 545 2100
S	Pinneberg, Germany	ncc.navtex@dwd.de	+49 69 8062 6160
T&V	Oostende, Belgium	rmd@mil.be	+32 59 342 493
W	Valentia, Ireland	mrscvalentia@dtas.gov.ie	+353 66 9476109
X	Grindavik, Iceland	reyrad@lhg.is	+354 545 2100

All these Navtex stations are currently operational.

4 Operational Issues:

- 4.1 Typical topics of MSI received from the coastal states within the Navarea, and from geographically adjacent Navareas, in order of quantity, are:
Rigmoves (Norway and Netherlands), seismic surveys (Norway, Navarea XIX, and Ireland), long distance tows (Navarea II), failures of major lights and failure of DGPS services (France).
- 4.2 Navarea I warnings over 42 days old, and therefore not being broadcast, are provided by email on demand. (They are also available on the Admiralty website)
The following statement is included in every weekly in-force message, and in Section III of the weekly Admiralty NM Bulletins:
- “The complete texts of all in-force NAVAREA I warnings, including those which are no longer being broadcast, are available from www.admiralty.co.uk/RNW. Additionally, a quarterly cumulative list of the complete text of all in-force NAVAREA I Warnings is included in Section III of the Weekly NM Bulletin in Weeks 1, 13, 26 and 39 each year. Alternatively, these may be requested by e-mail from NAVAREA I Coordinator at: navwarnings@ukho.gov.uk”
- 4.3 Navarea I often receives original information from mariners that are using Admiralty charts and publications worldwide, and this information is regularly passed on to the relevant Navarea Coordinator for possible navigation warning action.

5. Quality Management Survey:

NAVAREA	ISO 9001 - 2008	Promulgate "In-Force" Bulletins	Promulgate "NoWarning" Messages	Monitor Broadcast	24/7 contact information provided	Promulgate two scheduled broadcasts	IMO Master Plan updated
I	YES	YES	YES	YES	YES	YES	YES

6. Contingency Planning

Procedures are in place to operate Navarea I from alternative locations when it cannot be done from the main Operations Area. These include working:

- i) From a different building on the UKHO site.
- ii) From the UK Met. Office in Exeter, 30 miles away, should the UKHO site need to be evacuated.
- iii) Remotely from home.

All these contingencies have been tested successfully within the last year:

On 26th November 2019 Navarea I executed a real evacuation exercise of the RNW Watchkeeper to the Met Office. The exercise was a success, and helped us to refine our procedures for evacuation of the main worksite and setting up operations at the Met Office.

Because of COVID 19, in March 2020 Navarea I temporarily moved from their primary operations location to their backup location on the UKHO site, and were able to successfully maintain MSI services.

In June 2020 Navarea I successfully maintained operations with two watchkeepers self-isolating and working from home. This was made possible by improvements to watchkeeper's equipment, advances in digitisation of working practices, and the ability to monitor MSI broadcasts remotely via remote desktop.

7. Capacity Building:

- 7.1 All National Coordinators within Navarea I operate from mature, efficient organisations, and are fully conversant with the requirements for MSI, and how to exchange that information. They are fully practiced in broadcasting MSI as local or coastal warnings. (Monitoring of such MSI broadcasts are conducted on an ad hoc basis by the Navarea I Coordinator through various sources). It is the opinion of the Navarea I Coordinator that no additional training in the provision or broadcasting of MSI is required.
- 7.2 The Navarea I Coordinator attended the IHO MSI training course held at Santo Domingo, Dominican Republic, between 9th and 11th December 2019, in the capacity of trainee instructor.

8. Other Activities:

Since WWNWS 11 the Navarea I Coordinator has, in addition to the training course mentioned at para.7.2:

Attended a Joint WMO/IMO Extreme Weather Symposium at IMO HQ, London, between 23rd and 25th October.

Participated, with the Navarea III and Navarea XIX Coordinators, a European Geostationary Navigation Overlay Service (EGNOS) Workshop held in Madrid on 29th and 30th October. Its purpose was to agree the method to be used for the provision of EGNOS related MSI to the mariner.

Reported to the UK Maritime & Coastguard Agency (MCA) MSI Group Meeting 19, held at the National Maritime Operations Centre (NMOC) at Fareham on 8th November.

Attended the 7th Session of the Sub-Committee on Navigation, Communications and Search & Rescue (NCSR7) held at IMO HQ, London, between 15th and 24th January.

Participated in the WWNWS-SC Document Review Working Group 18 (DRWG18) meeting held at IMO HQ, London, between 29th and 31st January.

Attended an IHO S-100 Working Group evening event held at UK Hydrographic Office, Taunton, on 3rd March.

Acted as Secretary to the Baltic Sea MSI Working Group On-line Meeting on 26th May.

Participated in all S-124 CG and S-124PT activity.

Participated in all Enhanced Group Call- Application Programming Interface Working Group (EGC-API WG) activity.

9. NAVAREA Website:

Address: <http://www.admiralty.co.uk/RNW>

Navarea I and UK coastal warnings (WZs) are uploaded as soon as practicable following their promulgation by established GMDSS methods. The website refreshes immediately new information is posted and shows the time that it was last updated.

10. NAVAREA Contact Information:

Navarea I Coordinator
UK Hydrographic Office,
Admiralty Way,
TAUNTON,
Somerset.
TA1 2DN.

Tel.: +44 1823 353448

Fax: +44 1823 322352

E-mail: navwarnings@ukho.gov.uk

Website: <http://www.admiralty.co.uk/RNW>

11. Recommendations:

None

12. Actions requested:

The Sub-Committee is invited to note the report.

13. Summary:

There has been a change of Navarea Coordinator due to Stephen Gregory's recent retirement. We would like to thank him for his tenure and for the long hand-over to his successor, Murdo Macdonald. Additionally, Matt Sheldon is now in the new post of Deputy Navarea I Coordinator.

Digitisation of working procedures and record keeping has progressed well, and as a result contingency planning has been enhanced.

Navarea I has signed its agreement with Iridium and remains in the early phase of testing the new SafetyCAST service.

There have been no other significant changes since our previous report to WWNWS11.

Annexes:

- A. Self Assessment Spreadsheet for Navarea I
- B. Navarea I Navtex Service Areas diagram

Annex B: Navarea I Navtex Service Areas diagram

