

## MSI Self-Assessment NAVAREA I

Submitted by: *The United Kingdom of Great Britain and Northern Island*

### SUMMARY

Executive Summary: *Overview of activities undertaken within NAVAREA I since WWNWS 12*

Action to be taken: *Paragraph 12*

Related documents: *None*

#### 1. Background:

- 1.1) NAVAREA I comprise 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)

- 1.2) NAVAREA I have a Sub-area defined as the Baltic Sea and its approaches 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).
- 1.3) SafetyNET satellite broadcast service provider: Inmarsat warnings are transmitted at 0530-0600 UTC and 1730-1800 UTC.
- 1.3) SafetyCAST satellite broadcast service provider: Iridium warnings are transmitted at 0530-0600 UTC and 1730-1800 UTC.

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

<b>COUNTRY</b>	<b>INSTITUTION</b>	<b>TELEPHONE</b>	<b>FACSIMILE</b>	<b>EMAIL</b>
Belgium	Oostend Radio	+32 59 342 493	N/A	rmd@mil.be ostendradio@gmail.com
Denmark	Defence Command Denmark	+45 72 85 03 70	+45 72 85 03 84	mas@sok.dk
Faeroe Islands	Vørn MRCC	+298 351 300	+298 351 301	mrcc@vorn.fo
France	French Hydrographic Office (SHOM)	+33 256 312 424  +33 298 221 667	+33 256 312 5 84	coord.navarea2@shom.fr
Germany	Waterways and Shipping Administration (WSV)	+49 4927 1877 283	+ 49 4927 1877 232	seewarndienst.wsa- emd@t-online.de
Greenland	Defence Command Denmark	+299 36 40 00	N/A	<a href="mailto:ako@mil.dk">ako@mil.dk</a>
Iceland	Icelandic CG	+354 545 2121	+354 545 2001	sjomis@lhg.is
Ireland	Irish Dept. of Transport, Tourism & Sport	+353 166 209 22	+353 166 207 95	coastguardnmoc@dtas.g ov.ie mrccdublin@irishcoastgu ard.ie
Netherlands	Netherlands CG	+31 223 542 300	+31 223 658 358	ccc@kustwacht.nl
Norway	Norwegian Coastal Administration	+47 224 223 31	+47 224 104 91	navco@kystverket.no
United Kingdom	United Kingdom Hydrographic Office	+44 1823 353 448	+44 1823 322 352	navwarnings@ukho.gov. uk

### 2. Comments:

2.1) The GISIS GMDSS Master Plan entries for NAVAREA I remain current. Last updated 25/03/21 to update Iridium SafetyCAST to IOC.

2.2) The following table shows equipment used to monitor MSI broadcast by NAVAREA I watchkeepers. The equipment is either in the main UKHO HQ building or the back-up operations areas. Additionally, by using a remote desktop connection we have the functionality to remotely login and monitor EGC and NAVTEX broadcasts from any location where we have internet connectivity.

<b>Equipment Type</b>	<b>Software Version</b>	<b>Date of Up-date</b>
<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 SafetyCAST:</u>		
Online monitoring only	Version 32.5.4-release.6	
<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 data

<b>2018</b>				<b>2019</b>				<b>2020</b>			
E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text
31222		836	0	28697		836	0	26196	0	799	0

2.4) All IHO Member states within NAVAREA I have provided MSI in 2020.

2.5) SafetyNET & SafetyCAST

i. The following table shows the number of SafetyNET and SafetyCAST messages that were transmitted:

	<b>2018</b>	<b>2019</b>	<b>2020</b>
SafetyNET	198	208	218
SafetyCAST	N/A	N/A	142

ii. Warnings are broadcast via SafetyNET II through the AOR-E and IOR satellite.

- iii. 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:

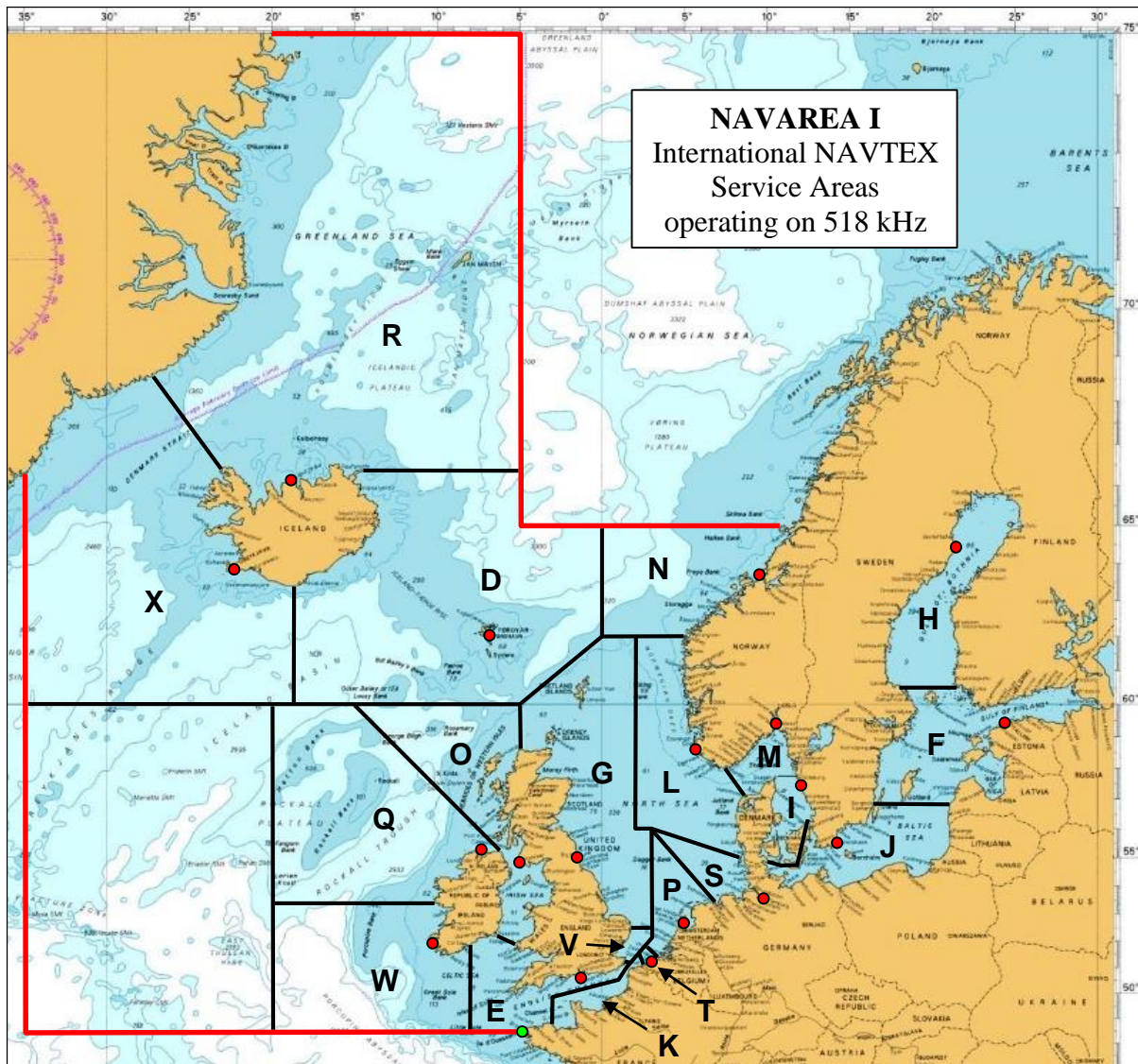
System	2018		2019		2020	
	Total	Average elapsed time	Total	Average elapsed time	Total	Average elapsed time
SafetyNET	8	19 Mins	18	22 Mins	12	24 Mins
SafetyCAST	N/A	N/A	N/A	N/A	N/A	N/A

- 2.6) IMO EGC Coordinating Panel EGC certificate of authorization issued 08/01/20.
- 2.7) NAVAREA I is currently in Initial Operating Capability. We completed testing in May 2021 and have provided feedback and queries to Iridium. We have received adequate responses from Iridium and have passed our test document onto the Maritime and Coastguard Agency (MCA) for sign off. Once we receive approval from the MCA we will look to move to Full Operating Capability.
- 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:

2018		2019		2020	
Total	E-mail	Total	E-mail	Total	E-mail
474	474	377	377	405	405

### 3. NAVTEX Coverage:

#### 3.1) NAVAREA I NAVTEX Service Areas diagram:



3.2) The table below shows the contact details of the NAVTEX stations of NAVAREA I (excluding the Baltic Sub-Area NAVAREA Ib):

<b>B<sub>1</sub></b>	<b>NAVTEX station</b>	<b>Email</b>	<b>Telephone</b>
A	Corsen, France	<a href="mailto:corsen@mrccfr.eu">corsen@mrccfr.eu</a>	+33 2 988 93 131
D	Torshavn, Faeroes	<a href="mailto:mrcc@vorn.fo">mrcc@vorn.fo</a>	+298 312 965
E&K	Niton, UK	<a href="mailto:zone8@hmcg.gov.uk">zone8@hmcg.gov.uk</a>	+44 1262 672317
G	Cullercoats, UK	<a href="mailto:zone8@hmcg.gov.uk">zone8@hmcg.gov.uk</a>	+44 1262 672317
L	Rogaland, Norway	<a href="mailto:kystradio.sor@telenor.com">kystradio.sor@telenor.com</a>	+47 51 68 36 01
N	Orlandet, Norway	<a href="mailto:kystradio.nord@telenor.com">kystradio.nord@telenor.com</a>	+47 75 52 89 25
O	Portpatrick, UK	<a href="mailto:zone8@hmcg.gov.uk">zone8@hmcg.gov.uk</a>	+44 1262 672317
P	Den Helder, Netherlands	<a href="mailto:ccc@kustwacht.nl">ccc@kustwacht.nl</a>	+31 223 542 300

Q	Malin Head, Ireland	<a href="mailto:mrscmalin@dttas.gov.ie">mrscmalin@dttas.gov.ie</a>	+353 74 93 70 103
R	Saudanes, Iceland	<a href="mailto:reyrad@lhg.is">reyrad@lhg.is</a>	+354 545 2100
S	Pinneberg, Germany	<a href="mailto:ncc.navtex@dwd.de">ncc.navtex@dwd.de</a>	+49 69 8062 6116
T&V	Oostende, Belgium	<a href="mailto:rmd@mil.be">rmd@mil.be</a>	+32 59 342 493
W	Valentia, Ireland	<a href="mailto:mrscvalentia@dttas.gov.ie">mrscvalentia@dttas.gov.ie</a>	+353 66 9476109
X	Grindavik, Iceland	<a href="mailto:reyrad@lhg.is">reyrad@lhg.is</a>	+354 545 2100

3.3) All the NAVTEX stations listed above 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, Seismic Surveys, Casualties or temporary changes to lights and long length tows.

4.2) No new infrastructure has become operational within NAVAREA I since WWNWS12.

4.3) NAVAREA I warnings over 42 days old, and therefore not being broadcast, are provided by email on demand and are available on the ADMIRALTY website (see 9.1).

4.4) The following statement is included in every weekly in-force message, and 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](http://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 Co-ordinator at: [navwarnings@ukho.gov.uk](mailto:navwarnings@ukho.gov.uk)”*

#### 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	Certificates for all recognised service providers	IMO Master Plan updated
I	YES	YES	YES	YES	YES	YES	YES	YES

#### 6. Contingency Planning

6.1) Throughout the COVID19 pandemic, NAVAREA I continued to operate with no break in service. NAVAREA I contingency plans that are currently in place since the COVID19 pandemic now include:

- Ability to work remotely allowing greater flexibility should staff have to isolate but are able to work.

- A full safety case has been completed identifying improvements on top of our current resilience plans.
- All systems have resilience in the form of back-up systems.

- 6.2) 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 Meteorological Office located in Exeter, 30 miles away.
  - iii) Remotely from home.
- 6.3) Future plans include increase of staffing within the watchkeeping team, to allow greater verification and reduce response times.
- 6.4) Full evacuation is tested annually. The last completed in October 2019, due to the pandemic last years tests were postponed. Next test due Q3 2021.

## **7. Capacity Building:**

- 7.1) All National Co-ordinators 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 Co-ordinator that no additional training in the provision or broadcasting of MSI is required.
- 7.2) All NAVAREA I watchkeepers attended GMDSS refresher courses held over 3 days in February 2021.

## **8. Other Activities:**

- 8.1) Since WWNWS12 the NAVAREA I Coordinator has attended the following:
- i. Intersessional meeting of the Communications Working Group of NCSR8, held remotely from 7<sup>th</sup> to 13<sup>rd</sup> April 2021.
  - ii. CIRM Workshop on S-100 and the future of ECDIS, held remotely from 14<sup>th</sup> to 15<sup>th</sup> April 2021.
  - iii. 8<sup>th</sup> Session of the Sub-Committee on Navigation, Communications and Search & Rescue (NCSR8) held remotely from 19<sup>th</sup> to 23<sup>rd</sup> April 2021.
  - iv. WWNWS-SC Document Review Working Group 19 held remotely from 26<sup>th</sup> to 28<sup>th</sup> April 2021.
  - v. Baltic Sub-area Maritime Safety Information Working Group held remotely on the 27<sup>th</sup> November 2020 and 18<sup>th</sup> May 2021.
  - vi. S-124PT held remotely on 29<sup>th</sup> and 30<sup>th</sup> June 2021.
- 8.2) The NAVAREA 1 coordinator has continued to participate in the following groups:
- i EGC-API WG
  - ii IMO Enhanced Group Call (EGC) Coordination Panel
  - iii S-124 PT

## **9. NAVAREA Website:**

- 9.1) Address: [www.admiralty.co.uk/RNW](http://www.admiralty.co.uk/RNW)
- 9.2) NAVAREA I and UK coastal warnings 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.
- 9.3) The NAVAREA I website states the date and time at which the website was updated. The website also clearly displays the following information:

*“Whilst the UKHO will attempt to keep this site up-to-date by adding and cancelling navigational warnings in real time, for reasons beyond its control, this may not always be possible.*

*The approved method of receiving Maritime Safety Information (MSI) is via the appropriate IMO, Global Maritime Distress and Safety System (GMDSS) broadcast systems as defined by the WWNWS. For more information please see the 'About RNWs' tab below.”*

## **10. NAVAREA Contact Information:**

- 10.1) Primary: No Change

Address: NAVAREA I Co-ordinator  
UK Hydrographic Office,  
Admiralty Way,  
Taunton,  
Somerset.  
TA1 2DN.

Email: [navwarnings@ukho.gov.uk](mailto:navwarnings@ukho.gov.uk)  
Phone: +44 (0) 1823 353 448  
Fax: +44 (0) 1823 322 352

## **11. Recommendations:**

- 11.1) No Recommendations.

## **12. Actions requested:**

- 12.1) The Sub-Committee is invited to note the report.

## **13. Summary:**

- 13.1) Due to a restructure at the United Kingdom Hydrographic Office the NAVAREA-I Coordinator role has passed from Murdo MacDonald to Christopher Gill. Matthew Sheldon continues as deputy NAVAREA Coordinator.
- 13.2) NAVAREA I continues to operate throughout the COVID19 pandemic without a break in service.



13.3) Iridium SafetyCAST testing is in its final stages.

13.4) There have been no other significant changes since our WWNWS12 self-assessment report.

Annex:

A. Self-Assessment Spreadsheet