

MSI Assessment for NAVAREA I

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

Submitted by United Kingdom

SUMMARY

Executive Summary: Overview of activities undertaken within NAVAREA I since WWNWS 13

Action to be taken: *See paragraph 12*

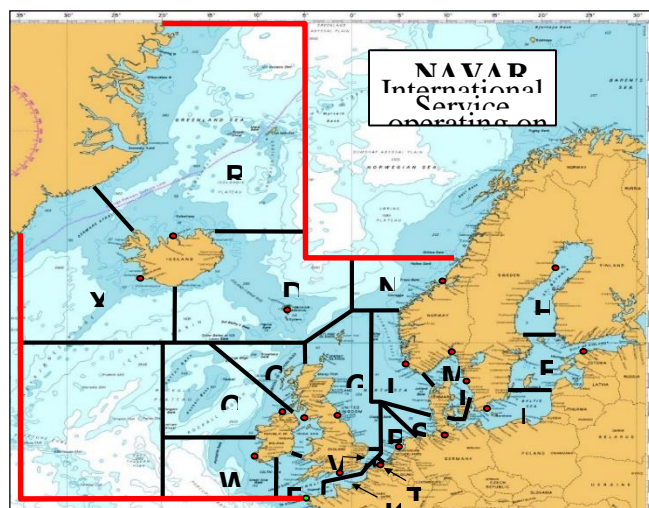
Related documents: *None*

1. General information:

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

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)

NAVAREA I has 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)



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

COUNTRY	INSTITUTION	TELEPHONE	FACSIMILE	EMAIL
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	+33 256 312 584	coord.navarea2@shom.fr
		+33 298 221 667		
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	ako@mil.dk
				mas@sok.dk
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.gov.ie
				mrccdublin@irishcoastguard.ie
Netherlands	Netherlands CG	+31 88 958 4000	+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

1.3. GMDSS Master Plan:

GMDSS Masterplan is up to date.

2. NAVAREA EGC broadcast and monitoring equipment or software:

2.1. Details of EGC services:

NAVAREA I are broadcasting all appropriate warnings through INMARSATs SafetyNet II service.

The Testing of the Iridium SafetyCast Service has been completed and a monitoring solution has been established with a Lars Thrane LT-3100S Iridium Terminal in addition to the broadcast monitoring provided by SafetyCast.

The NAVAREA is ready to declare full operating capacity once the METAREA services have completed implementation and the UK Maritime and Coastguard agency complete their regulatory changes.

NAVAREA I are broadcasting all relevant navigational warning through the SafetyCast service whilst the status remains IOC.

Broadcast Equipment/Software	Broad cast schedule/Satellite	Manufacturer/Location (LES)/Implementation
INMARSAT SafetyNET II	0530-0600 UTC	Inmarsat SafetyNET II Status FOC
	1730-1800 UTC	
Iridium SafetyCast	0530-0600 UTC	Iridium Status IOC – Implementation expected soon
	1730-1800 UTC	
Monitoring Equipment/Software		Manufacturer/Software
INMARSAT-C Transceiver		Cobham Sailor 6120/EasyMail v2.02
SafetyNET II		Inmarsat
Iridium SafetyCast		Iridium
Iridium GMDSS Terminal		Lars Thrane 3110S/ 1.04R-0012
Primary: ICS Nav 6 NAVTEX receiver (with eNAVTEX Desktop Monitoring system). For monitoring Coastal and NAVAREA I messages broadcast over NAVTEX.		Version 1.1.0.0 /Aug 2021
MCA V4 online NAVTEX monitoring service. For monitoring Coastal and NAVAREA I messages broadcast over NAVTEX.		ICS (UK MCA).

2.2. NAVTEX co-ordinators:

B₁ 518 kHz	B₁ 490 kHz	NAVTEX station	Email	Telephone	Status
D		Torshavn, Faeroes	mrcc@vorn.fo	+298 312 965	Operational
E		Niton, UK	uknavtex@hmcg.gov.uk	+44 344 382 0043	Operational
K		Niton, France	uknavtex@hmcg.gov.uk	+44 344 382 0043	Operational
G		Cullercoats, UK	uknavtex@hmcg.gov.uk	+44 344 382 0043	Operational
L		Rogaland, Norway	kystradio.sor@telenor.com	+47 51 69 00 44	Operational
M		Jeloya, Norway	kystradio.sor@telenor.com	+47 51 69 00 44	Operational
N		Orlandet, Norway	kystradio.nord@telenor.com	+47 75 52 89 25	Operational
O		Portpatrick, UK	uknavtex@hmcg.gov.uk	+44 344 382 0043	Operational
P		Den Helder, Netherlands	ccc@kustwacht.nl	+31 88 958 4000	Operational
Q		Malin Head, Ireland	mrscmalin@transport.gov.ie	+353 74 93 70 103	Operational
R		Saudanes, Iceland	reyrad@lhg.is	+354 545 2100	Operational
S		Pinneberg, Germany	ncc.navtex@dwd.de	+49 69 8062 6116	Operational
T		Oostende, Belgium	rmd@mil.be	+32 59 342 493	Operational
V		Ostende, UK	rmd@mil.be	+32 59 342 493	Operational
W		Valentia, Ireland	mrscvalentia@transport.gov.ie	+353 66 9476109	Operational
X		Grindavik, Iceland	reyrad@lhg.is	+354 545 2100	Operational

2.3. Other methods of promulgation:

All UK coastal navigation warnings are broadcast by RT on VHF & MF for the respective service area, routinely twice a day and on receipt for urgent coastal navigation warnings.

3. NAVAREA Metrics

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

<i>1st Jan -31st Dec 2021</i>								
Country	NAVTEX station name	B1 Character or Coastal Warning Area	Broadcast schedule times UTC (only for EGC)	Total number of warnings broadcast	Number of warnings broadcast with Important priority (NAVTEX)	Number of warnings broadcast with urgent priority (EGC) or vital (NAVTEX)	Total number of warnings broadcast, including repetitions	Broadcast data in megabytes
Belgium	Oostende	T	N/A	500	351	0	12054	Unavailable
Faeroes Islands (Denmark)	Torshavn	D	N/A	24	16	0	527	0.5 Mb
France	Niton	K	N/A	118	Unavailable	Unavailable	Unavailable	Unavailable
Germany	Pinneberg	S	N/A	274	203	0	8960	~3 Mb
Iceland	Grindavik	X	N/A	41	0	0	110	Unavailable
Iceland	Saudanes	R	N/A	18	0	0	83	Unavailable
Ireland	Malin Head	Q	N/A	23	3	0	0	Unavailable
Ireland	Valentia	W	N/A	29	2	0	0	Unavailable
Netherlands	Den Helder	P	N/A	355	0	0	14619	Unavailable
Norway	Orlandet	N	N/A	785	54	0	Unavailable	Unavailable
Norway	Rogaland	L	N/A			0	Unavailable	Unavailable
Norway	Jeloya	M	N/A			0	Unavailable	Unavailable
UK	Cullercoats	G	N/A	724	172	0	Precautionary Estimate 50466	Unavailable
UK	Niton	E	N/A	405	76	0		Unavailable
UK	Portpatrick	O	N/A	528	11	0		Unavailable
UK	Oostende	V	N/A	122	13	0		Unavailable

<i>1st Jan – 30th Jun 2022</i>								
Country	NAVTEX station name	B1 Character or Coastal Warning Area	Broadcast schedule times UTC (only for EGC)	Total number of warnings broadcast	Number of warnings broadcast with Important priority (NAVTEX)	Number of warnings broadcast with urgent priority (EGC) or vital (NAVTEX)	Total number of warnings broadcast, including repetitions	Broadcast data in megabytes
Belgium	Oostende	T	N/A	332	262	0	8656	Unavailable
Faeroes	Torshavn	D	N/A	9	6	0	447	Unavailable
France	Niton	K	N/A	73	0	0	Unavailable	Unavailable
Germany	Pinneberg	S	N/A	151	130	0	6390	~ 1 MB
Iceland	Grindavik	X	N/A	17	0	0	133	Unavailable
Iceland	Saudanes	R	N/A	4	0	0	25	Unavailable
Ireland	Malin Head	Q	N/A	12	1	0	Unavailable	Unavailable
Ireland	Valentia	W	N/A	23	3	0	Unavailable	Unavailable
Netherlands	Den Helder	P	N/A	151	0	0	5372	
Norway	Orlandet	N	N/A	412	25	0	Unavailable	Unavailable
Norway	Rogaland	L	N/A			0	Unavailable	Unavailable
Norway	Jeloya	M	N/A			0	Unavailable	Unavailable
UK	Cullercoats	G	N/A	229	5	0	Precautionary Estimate 26532	Unavailable
UK	Niton	E	N/A	170	56	0		Unavailable
UK	Portpatrick	O	N/A	234	83	0		Unavailable
UK	Oostende	V	N/A	66	20	0		Unavailable

3.4. NAVAREA Warnings broadcasts:

Provider	<i>1st Jan – 31st Dec 2020</i>			<i>1st Jan – 31st Dec 2021</i>			<i>1st Jan – 30th Jul 2022</i>		
	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
<i>SafetyNet</i>	218	Unavailable	Unavailable	231	Precautionary Estimate 4028	Precautionary Estimate 4.48 Mb	105	Precautionary Estimate 1887	Precautionary Estimate 2.03Mb
<i>SafetyCast</i>	142	N/A	Unavailable	231	N/A	341.8 Kb (0.34187 Mb)	105	N/A	172.32Kb (0.17232Mb)

3.5. Urgent EGC Warnings:
NIL.

3.6. VITAL Coastal Warnings:
NIL.

3.7. In-force warnings.

3.7.1. In-force bulletins issued:

NAVAREA I issue an In-force bulletin once a week at 1000 UTC on Fridays. NAVAREA I Warnings issued each week are published in weekly editions of the ADMIRALTY Notices to Mariners bulletin in Section III. The complete texts of all in-force NAVAREA I warnings, including those which are no longer being broadcast, are reprinted in Section III in weeks 1, 13, 26 and 39 and are also available from the UKHO website at: <https://msi.admiralty.co.uk/maritime-safety-information>

2.3.1. Requests for In-force warnings:

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:

2020	2021	1st Jan – 30th Jun 2022
Total	Total	Total
405	327	151

2.4. Arctic navigational warnings broadcast by HF NBDP.
NIL.

3. Operational Issues:

NAVAREA and UK Coastal Website – The private provider of the website became insolvent, so the UK had to implement a new website at short notice due to the risk of it being unsupported. This was completed in July 2022.

Telephone issue – During the migration of some phone numbers to a new system, the primary NAVAREA number went down for a period of days. During this time we reverted to our contingency secondary number until service was resumed.

Outlook issues – Due to an internal server issue, the NAVAREA I primary email inbox did not receive any emails for a period of hours. The watch desk reverted to the secondary email inbox. As a result NAVAREA I has implemented an email heartbeat system.

4. National Co-ordinator Communication:

4.3. IRCC Strategic Performance Indicator:

The NAVAREA has been able to successfully communicate with 100% of the constituent coastal authorities within the NAVAREA.

4.4. Procedures.

The NAVAREA co-ordinator has established the North Sea Hydrographic Commission MSI Working Group which held its first meeting on 29th July 2022.

General working communications is conducted via E-Mail on an ad-hoc basis.

5. Contingency Planning:

NAVAREA I are based in the UKHO main building. Fall back operations room in Separate Richie Building on UKHO site. A Memorandum of Understanding with The Met Office for use of their site as a back-up operations room is in place and is currently under review.

6. Capacity Building:

No capacity building required.

7. Other Activities:

NAVAREA I attended the following meetings or groups:

- Document Review WG,
- IMO Maritime Safety Committee,
- IMO Navigation, Communication & Search and Rescue Sub-committee,
- CG on dissemination of MSI and SAR-related information,
- North Sea Hydrographic Commission,
- Enhanced Group Call Coordinating Panel.
- S-124PT

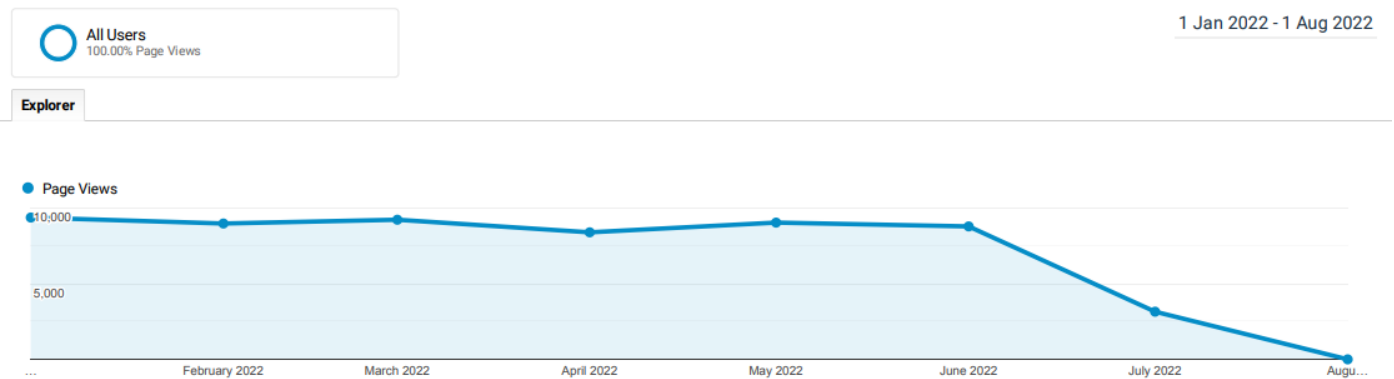
8. NAVAREA Website:

Website URL: <https://msi.admiralty.co.uk/RadioNavigationalWarnings>

The website is updated as soon as practicable after the issue of the warning. The website always displays when the website was last updated.

Website Data 1st Jan 2022 – 1st Aug 2022

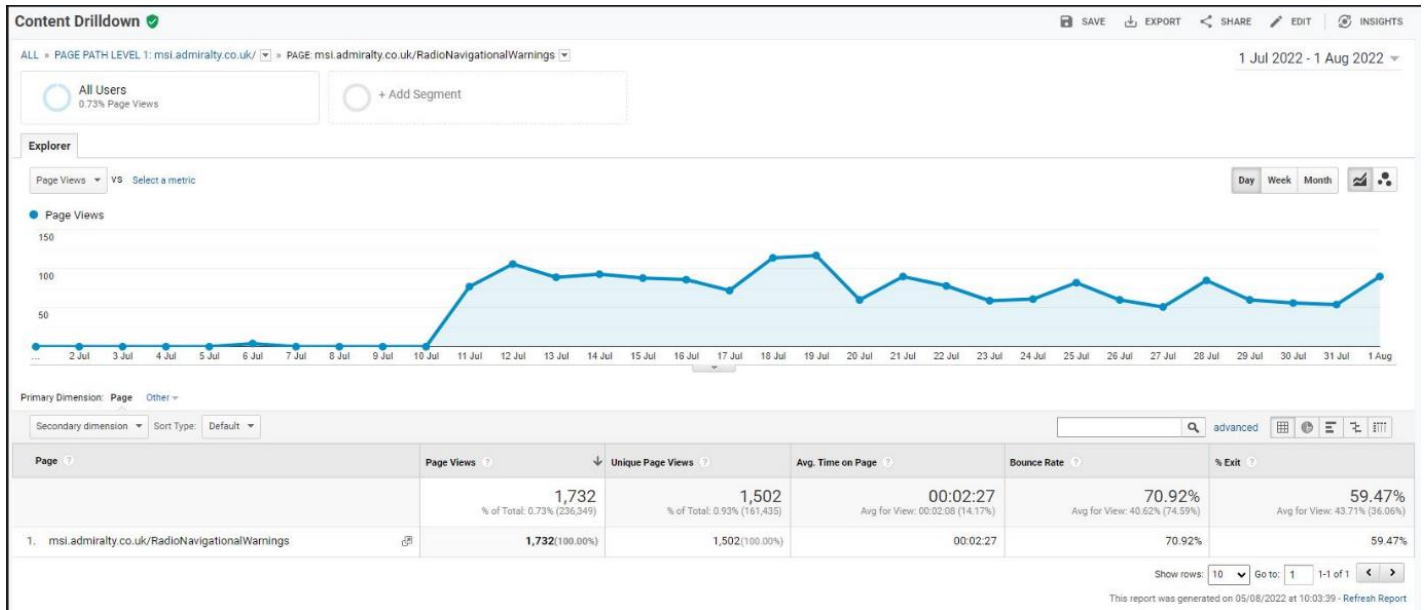
Pages



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Page	Page Views	Unique Page Views	Avg. Time on Page	Entrances	Bounce Rate	% Exit	Page Value
	56,784 (% of Total: 2.83% (2,003,479))	35,084 (% of Total: 3.02% (1,162,029))	00:03:00 Avg for View: 00:02:07 (42.21%)	23,689 (% of Total: 3.21% (737,547))	16.98% Avg for View: 13.24% (28.28%)	44.00% Avg for View: 36.81% (19.53%)	£0.00 (% of Total: 0.00% (£0.00))
1. www.admiralty.co.uk/maritime-safety-information/radio-navigational-warnings	29,104 (51.25%)	18,240 (51.99%)	00:04:00	13,583 (57.34%)	17.22%	50.95%	£0.00 (0.00%)
2. www.admiralty.co.uk/maritime-safety-information/radio-navigational-warnings/low-bandwidth/navarea-1	12,887 (22.69%)	7,188 (20.49%)	00:01:59	5,479 (23.13%)	10.05%	35.52%	£0.00 (0.00%)
3. www.admiralty.co.uk/maritime-safety-information/radio-navigational-warnings/low-bandwidth/all-warnings	5,682 (10.01%)	3,796 (10.82%)	00:01:59	1,864 (7.87%)	18.07%	34.60%	£0.00 (0.00%)
4. www.admiralty.co.uk/maritime-safety-information/radio-navigational-warnings/low-bandwidth/ukcoastal	4,902 (8.63%)	3,172 (9.04%)	00:02:54	1,065 (4.50%)	21.15%	37.05%	£0.00 (0.00%)
5. msi.admiralty.co.uk/maritime-safety-information/radio-navigational-warnings	2,245 (3.95%)	1,410 (4.02%)	00:03:07	961 (4.06%)	42.46%	47.84%	£0.00 (0.00%)
6. msi.admiralty.co.uk/maritime-safety-information/radio-navigational-warnings/low-bandwidth/navarea-1	991 (1.75%)	577 (1.64%)	00:01:38	439 (1.85%)	36.96%	37.84%	£0.00 (0.00%)
7. msi.admiralty.co.uk/maritime-safety-information/radio-navigational-warnings/low-bandwidth/all-warnings	398 (0.70%)	274 (0.78%)	00:01:20	145 (0.61%)	37.16%	31.41%	£0.00 (0.00%)
8. msi.admiralty.co.uk/maritime-safety-information/radio-navigational-warnings/low-bandwidth/ukcoastal	365 (0.64%)	267 (0.76%)	00:01:41	79 (0.33%)	51.32%	44.11%	£0.00 (0.00%)
9. www.admiralty.co.uk/maritime-safety-information/radio-navigational-warnings?TermStoreId=edba3e57-06d1-43a1-b1aa-cd37f230a5f3&TermSetId=41e4d507-3ce2-45c5-9546-770d62bf0bc6&TermId=55c27f73-bbb2-4276-83d9-84847e99356a	44 (0.08%)	36 (0.10%)	00:02:56	5 (0.02%)	0.00%	22.73%	£0.00 (0.00%)
10. www.admiralty.co.uk/maritime-safety-information/radio-navigational-warnings/low-bandwidth/navarea-1?TermStoreId=edba3e57-06d1-43a1-b1aa-cd37f230a5f3&TermSetId=41e4d507-3ce2-45c5-9546-770d62bf0bc6&TermId=6385c417-8759-4340-baee-4953fd093b48	37 (0.07%)	27 (0.08%)	00:00:50	5 (0.02%)	0.00%	24.32%	£0.00 (0.00%)

Website data 1st July to 1st August:



9. NAVAREA Contact Information:

Primary: No Change

Address:

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

Email: navwarnings@ukho.gov.uk

Phone: +44 (0) 1823 353 448

Fax: +44 (0) 1823 322 352

10. Recommendations:

- 10.1 Whilst investigating the data requirements set out by the sub-committee, it has become apparent that NAVTEX data can be interpreted in different ways. Therefore, we would like to suggest that if this is an ongoing requirement, please could the committee outline the specific requirements in terms of broadcast data, to each member state. Do we want to know the size of the messages transmitted, including all additional ancillary information (Forward error correction, special characters, etc) that mariner can't see or just the size of the messages themselves?

11. Actions requested:

The Sub-Committee is invited to note the report.

12. Summary:

- 12.1. NAVAREA I remains in a good state. Communication between member states remains good and further, is improving.
- 12.2. Iridium SafetyCAST implementation is ongoing but expected shortly.
- 12.3. No other significant changes since the WWNWS13 report.