

MSI Assessment for NAVAREA Ib, Baltic Sea Sub-area

Reporting period from 1st Jan 2023 to 31th December 2023

Submitted by Sweden

SUMMARY

Executive Summary: Overview of activities undertaken within the Baltic Sea Sub-area since WWNWS15

Action to be taken: Paragraph 13

Related documents: None

1. General information:

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

The Baltic Sea Sub-area is part of Navarea I and comprises of the waters of Skagerrak, Kattegat, Baltic Sea, Gulf of Finland, Sea of Bothnia and Bay of Bothnia.

Limit of Baltic Sea Sub-area:

57° 45'N, 010° 38'E (Skaw, Denmark) to

58° 53'N, 010° 38'E to

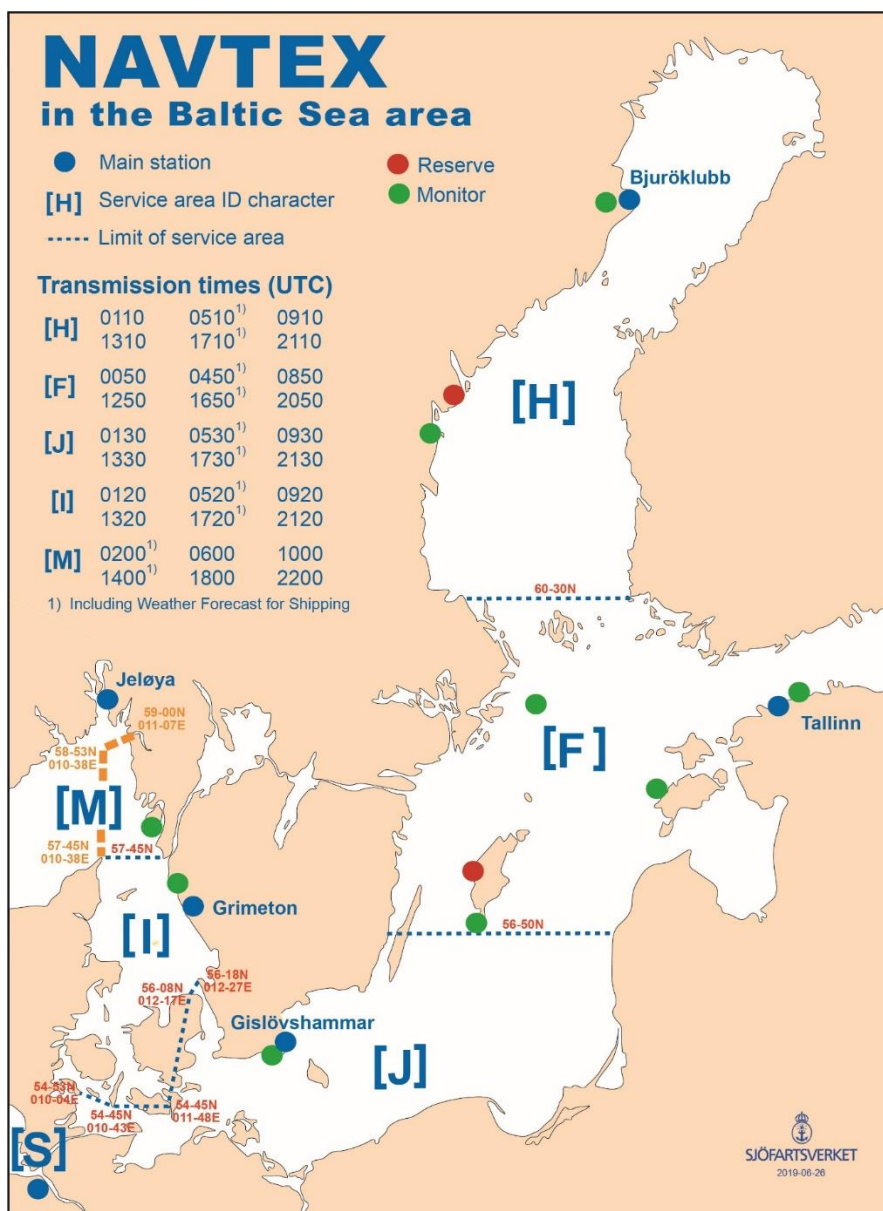
59° 00'N, 011° 07'E (Norway/Sweden coastline)

Navigational warnings in the Sub-area are promulgated via NAVTEX and VHF. Should specific warnings deem necessary to transmit via EGC, NAVAREA I is contacted for assistance.

NAVTEX service areas, location of transmitters and broadcast schedule are shown on the map below. The limit of the Baltic Sea Sub-area is shown as the orange dashed line.

The sub-area coordinator seeks guidance on the correct procedure to alter the sub-area border. The Baltic Sea Hydrographic commission and the North Sea Hydrographic commission has agreed on setting the border between the Baltic Sea area and the North Sea area. The Baltic Sea sub-area should correspond to the agreed area limit between the two ocean regions and the area of responsibility of the Regional Hydrographic Commission (BSHC) as can be seen here:

<https://iho.int/en/rhcs>



1.2. Operational Points of Contact for National Co-ordinators within the NAVAREA
Note: Facsimile numbers are not listed, as this is not monitored 24h.

COUNTRY	TELEPHONE	EMAIL	WEBSITE
Denmark	+45 7285 0370	vagts@dma.dk (office hours) mas@sok.dk (24h)	Link
Estonia	+372 6205 665	navinfo@transpordiamet.ee	Link
Finland	+358 204 48 6400	turku.radio@fintraffic.fi	Link
Germany	+49 4927 1877283	seewarndienst.wsa-emd@t-online.de	Link
Latvia	+371 67 32 31 03	navarea@lhd.lv sar@mrcc.lv	Link
Lithuania	+370 618 12 591	mardep@ltsa.lt	Link
Poland	+48 261 266 208	bhwm.msi@ron.mil.pl	Link
Russian Federation	+7 812 717 59 00	unio_navarea@mil.ru	Link
Sweden	+46 771 63 06 85	swedentraffic@sjofartsverket.se	Link

1.3. GMDSS Master Plan:

The GMDSS Master Plan is continuously held up to date through the Global Integrated Shipping Information System (GISIS). The update is done in cooperation between the Swedish Transport Agency and the Swedish Maritime Administration.

2. NAVAREA EGC broadcast and monitoring equipment or software:

2.1. Details of EGC services:

The Baltic Sea Sub-area comprises of Sea areas A1 and A2. Navigational warnings are therefore not promulgated via Satellite. No EGC services are therefore used.

2.2. NAVTEX:

B ₁ 518 kHz	B ₁ 490 kHz	NAVTEX Station	Email	Telephone	Status
H	-	Bjuröklubb, Sweden	swedentraffic@sjofartsverket.se	+46 771 63 06 85	Operational
F	-	Tallinn, Estonia	tallinnradio@riks.ee	+372 699 11 70	Operational
J	-	Gislövshammar, Sweden	swedentraffic@sjofartsverket.se	+46 771 63 06 85	Operational
I	-	Grimeton, Sweden	swedentraffic@sjofartsverket.se	+46 771 63 06 85	Operational
M	-	Jeløya, Norway	kystradio.sor@telenor.com	+47 516 42 480	Operational
-	L	Pinneberg, Germany	seewarndienst.wsa-emd@t-online.de	+ 49 49271877283	Operational

2.3. Other methods of promulgation:

In the Baltic Sea Sub-area MSI is also promulgated via VHF and MF. Most countries list active navigational warnings on websites. Refer to table under point 1.2 for links to the websites of the respective countries.

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)	2023			
				Total number of warnings broadcast	Number of warnings broadcast with a vital priority (NAVTEX) or urgent priority (EGC)	Total number of warnings broadcast, including repetitions	Broadcast data in megabytes
Baltic Sea	Bjuröklubb	H	-	2	0	-	-
Baltic Sea	Tallinn	F	-	7	0	-	-
Baltic Sea	Gislövshammar	J	-	34	0	-	-
Baltic Sea	Grimeton	I	-	29	0	-	-
Denmark	Gislövshammar	J	-	16	1	-	-
Denmark	Grimeton	I	-	36	0	-	-

Germany	Gislövshammar	J	-	124	0	-	-
Germany	Grimeton	I	-	8	0	-	-
Poland	Gislövshammar	J	-	91	0	-	-
Kaliningrad	Gislövshammar	J	-	123	0	-	-
Lithuania	Tallinn	F	-	0	0	-	-
Lithuania	Gislövshammar	J	-	29	0	-	-
Latvia	Tallinn	F	-	3	0	-	-
Latvia	Gislövshammar	J	-	7	0	-	-
Estonia	Tallinn	F	-	30	0	-	-
Petersburg	Tallinn	F	-	81	0	-	-
Petersburg	Gislövshammar	J	-	0	0	-	-
Finland	Bjuröklubb	H	-	22	0	-	-
Finland	Tallinn	F	-	25	0	-	-
Sweden	Bjuröklubb	H	-	4	0	-	-
Sweden	Tallinn	F	-	23	1	-	-
Sweden	Gislövshammar	J	-	26	1	-	-
Sweden	Grimeton	I	-	18	0	-	-

3.2. Sub-area warnings and coastal warnings transmitted by Navtex:

Nation	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Baltic Sea	28	37	38	34	23	45	44	52	58	72	62	51	66	48	72
Denmark	98	87	117	91	89	79	63	42	43	52	57	70	49	86	52
Estonia	3	7	5	11	9	6	7	26	41	30	34	34	37	37	30
Finland	28	91	53	49	35	25	47	30	48	47	46	56	50	40	47
Germany	73	99	92	92	120	118	145	86	91	132	108	123	151	113	132
Latvia	24	20	27	16	15	10	14	9	17	10	17	12	9	16	10
Lithuania	27	34	31	30	65	46	30	35	30	29	37	31	63	38	29
Poland	70	74	78	70	101	107	115	100	109	91	113	100	165	134	91
Kaliningrad	49	66	68	68	57	70	67	91	107	123	96	147	148	152	123
St Petersburg	29	33	32	40	24	27	29	66	134	81	113	142	168	167	81
Sweden	97	117	156	120	89	44	85	59	42	71	87	68	58	76	71
TOTAL	526	665	697	621	627	577	646	596	720	738	770	834	964	907	738

3.3. Urgent EGC Warnings:

N/A

3.4. VITAL Coastal Warnings:

During 2023, there were 3 Coastal Warnings transmitted with VITAL priority. The Baltic Sea sub-area coordinator will have discussions at BSMSIWG meetings regarding setting Vital priority on Navigational warnings.

Warning details:

DENMARK. GREAT BELT.
TSS "BETWEEN KORSOER AND SPROGOE".
TEMPORARILY SUSPENDED.
»THIALF« (3EAA4) NORTHBOUND
IN W-SIDE OF CHANNEL.
GREAT BELT VTS VHF 11, 74.
CAUTION REQUESTED.

SOUTHERN, SOUTHEASTERN AND CENTRAL BALTIC.
A STATION IS CONSTANTLY TRANSMITTING ON VHF CHANNEL 16
VESSELS ARE REQUESTED TO CHECK THEIR VHF EQUIPMENT.

CENTRAL BALTIC. GOTSKA SANDÖN - KALMAR
A STATION IS CONSTANTLY TRANSMITTING ON VHF CHANNEL 16
VESSELS ARE REQUESTED TO CHECK THEIR VHF EQUIPMENT.

3.5. In-force warnings.

3.5.1. In-force bulletins issued:

For Navtex, in-force bulletins are transmitted once a week for every transmitter. This is normally done on Thursdays.

3.5.2. Requests for In-force warnings:

Requests for in-force warnings are not logged.

3.6. Arctic navigational warnings broadcast by HF NBDP.

N/A

4. Operational Issues:

Process has begun to replace NAVTEX transmitter equipment on the three Swedish transmitter sites. The broadcast software will also be replaced.

Work to upgrade AIS basestations to VDES stations is ongoing.

5. National Co-ordinator Communication:

5.1. IRCC Strategic Performance Indicator:

All coastal states within the Baltic Sea sub-area provide MSI to the sub-area coordinator.

5.2. Procedures.

Coordination of MSI in the Baltic Sea sub-area has partly been challenging in the current geopolitical context.

Communication between national coordinators within the sub-area are normally done at BSMSIWG meetings. The working group report to the Baltic Sea Hydrographic commission. The working group generally has virtual meetings annually and discuss issues regarding MSI in the area. The Russian Federation is suspended from all

BSHC working group activities. Refer to BSHC Letter 2 of 2022 on the IHO website. [\[Link\]](#)

6. Contingency Planning:

The software used to operate the Navtex stations for the Baltic Sea sub-area is installed at three different locations in Sweden. The software is continuously tested and operated throughout the year.

A number of monitoring stations are used to verify the quality of the Navtex transmissions. Should a Navtex transmitter fail, back up stations are used.

7. S-124 Navigational Warnings Development:

The BSMSIWG has been given the action by BSHC to coordinate the implementation of S-124 in the Baltic Sea sub-area. The progress of each member state is discussed at working group meetings.

There are also several ongoing projects in the Baltic Sea with the aim to develop and test S-100 products and systems.

- Baltic Sea E-nav : <https://interreg-baltic.eu/project/baltic-sea-e-nav/>
This project focus on S-101, S-102 and S-104.
Tests will also be conducted for S-111.
- MaDaMe: <https://interreg-baltic.eu/project/madame/> focusing on S-124 development and secure communication for data transfer between shore to ship.

8. Capacity Building:

No coastal state within the Baltic Sea sub-area has been identified as being in need of MSI training.

9. Other Activities:

Participation in BSHC28 (Baltic Sea Hydrographic Commission).
Meeting in Helsinki, Finland on September 19 – 21, 2023.

At the meeting the Sub-area coordinator represented the working group BSMSIWG (Baltic Sea MSI Working group) and delivered an annual report.

BSMSIWG: During 2023 one meeting was held on June 28 with participants from the countries surrounding the Baltic Sea, with support from Norway and Navarea I (UK).

Participation in the S-124 Project team.

Participation in the NSMSIWG chaired by the Navarea I coordinator.

10. NAVAREA Website:

Coastal Navigational Warnings in the Baltic Sea area are published on the SMA website as soon as they are received from any of the National coordinators.

www.sjofartsverket.se/navigational-warnings

The date and time of the last website update is shown at the top of the page once you enter the Navtex list.

11. NAVAREA Contact Information:

No change
Baltic Sea Sub-area Coordinator
Swedish Maritime Administration
NtM Office
SE-601 78 Norrköping
SWEDEN
Telephone: +46 771 63 06 05
E-mail: ufs@sjofartsverket.se
Website: www.sjofartsverket.se

12. Recommendations:

None

13. Actions requested:

- Note the report.
- Provide guidance on the correct procedure to amend the Sub-area border, to align with the agreed upon area of responsibility of the Baltic Sea Hydrographic commission.
- If the amendment of the sub-area border could be decided by WWNWS, the sub-area coordinator request such an amendment to be decided.

14. Summary:

The Baltic Sea Sub-area Coordinator introduced the Self-Assessment Report, document WWNWS16/3/2/Ib

Annex(es):

- A. Self-Assessment Spreadsheet