

MSI Self Assessment NAVAREA I, Baltic Sea Sub-area

Submitted by Sweden

SUMMARY

Executive Summary: Report of activities within Baltic Sea Sub-area since WWNWS 8

Action to be taken: Paragraph 4.b and 4.c

Related documents: None

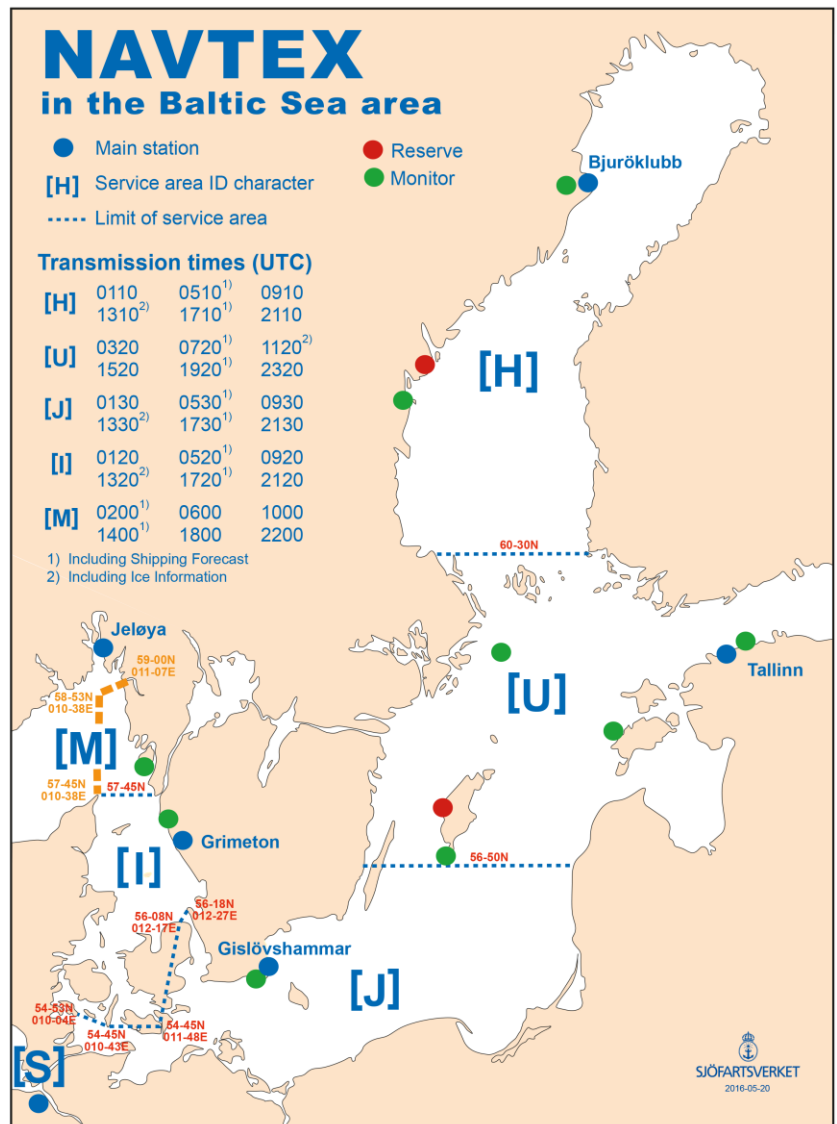
1. Background:

The Baltic Sea Sub-area is part of Navarea I and comprises the waters eastward of a line joining

- 57-45N 010-38E Skagen, Denmark
- 58-53N 010-38E
- 59-00N 011-07E Norway/Sweden boundary

The adjoining map shows boundaries between NAVTEX service areas, location of transmitters and broadcast schedule.

The orange dashed line is the western limit of the Baltic Sea Sub-area.



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

Country	Telephone (h24)/	E-mail	Website with current Navigational Warning
Denmark	+45 7285 0370	vagts@dma.dk (office hours) mas@sok.dk (24h)	https://nautiskinformation.soefartsstyrelsen.dk/index.html#mes-sages/map
Estonia	+372 6205 665	navinfo@vta.ee	http://adam.vta.ee/teenused/tm/KehtivadNavigatsioonihoiatused/KehtivadNavigatsioonihoiatused.txt
Finland	+358 204 48 6400	turku.radio@fta.fi	https://extranet.liikennevirasto.fi/pooki_www/merivaroitukset/list_en.html
Germany	+49 (0) 4927 1877283	seewarndienst.wsa-emd@t-online.de	http://www.bsh.de/aktdat/nwn/nwn-ost.pdf
Latvia	+371 67323103	navarea@lhd.lv , sar@mrcc.lv	http://www.navtex.lv http://www.lhd.lv
Lithuania	+370 618 12 591	hydrography@msa.lt	http://www.msa.lt/en/hydrography/navigational-warnings-and-kq74/notices-to-mariners-scx9.html
Poland	+48 261 266 208	bhwm@bhwm.gov.pl	http://www.hopn.mw.mil.pl/index.php?akcja=on
Russian Federation	+7 812 717 59 00	unio_navarea@mil.ru	http://structure.mil.ru/structure/forces/hydrographic/info/navwar.htm (only navarea XIII)
Sweden	+46 771 63 06 85	msi@sjofartsverket.se	http://www.sjofartsverket.se/baltico

Note: Telefax numbers are not shown as FAX not always is monitored H24

2. Comments:

Upon changes to the infrastructure, schedules etc., updates to IMO GMDSS Master Plan is sent to IMO by the Swedish Transport Agency, in co-operation with the Swedish Maritime Administration.

The Swedish NAVTEX transmitters are operated by means of ICS V4 NAVTEX Ver 4.20.3 updated 2014.

Sub-area warnings and coastal warnings promulgated 2016

NAVTEX service area	SWE	FIN	PET	EST	LAT	LIT	KAL	POL	GER	DEN	BAL	Total
Bjuröklubb (H)	3	12	0	0	0	0	0	0	0	0	4	19
Grimeton (I)	13	0	0	0	0	0	0	0	0	29	18	60
Gislövshammar (J)	27	0	0	0	0	35	91	100	86	13	23	375
Tallinn (U)	16	30	66	26	9	0	0	0	0	0	7	154
TOTAL	59	42	66	26	9	35	91	100	86	42	52	608

Sub-area warnings and coastal warnings in recent years

Nation	2009	2010	2011	2012	2013	2014	2015	2016
Baltic Sea Nav Warn	28	37	38	34	23	45	44	52
Danish Nav Warn	98	87	117	91	89	79	63	42
Estonian Nav Warn	3	7	5	11	9	6	7	26
Finnish Nav Warn	28	91	53	49	35	25	47	30
German Nav Warn	73	99	92	92	120	118	145	86
Latvian Nav Warn	24	20	27	16	15	10	14	9
Lithuanian Nav Warn	27	34	31	30	65	46	30	35
Polish Nav Warn	70	74	78	70	101	107	115	100
Kaliningrad Nav Warn	49	66	68	68	57	70	67	91
St Petersburg Nav Warn	29	33	32	40	24	27	29	66
Swedish Nav Warn	97	117	156	120	89	44	85	59
TOTAL	526	665	697	621	627	577	646	596

Information about yearly quantity of MSI data received, by which method the data were received or the time elapsed before first broadcast is not available.

3. NAVTEX Coverage:

The Baltic Sea sub-area is fully covered by the international NAVTEX service on 518 kHz, see diagram on page 1. The service is maintained by five regular transmitter sites and two reserve sites. In the southern part of the region the German Navtex station Pinneberg, Hamburg is used as reserve.

Additionally Germany is operating a national NAVTEX-service on 490 kHz covering the SW Baltic.

Contact details for NAVTEX Stations

B ₁	Transmitter	Telephone	E-mail	Status
[H]	Bjuröklubb	+46 771 63 06 85	msi@sjofartsverket.se	Operational
[U]	Tallinn	+372 699 11 70	tallinnradio@riks.ee	Operational
[J]	Gislövshammar	+46 771 63 06 85	msi@sjofartsverket.se	Operational
[I]	Grimeton	+46 771 63 06 85	msi@sjofartsverket.se	Operational
[M]	Jeløya	+47 51 69 00 44.	rogaland.radio@telenor.com	Operational

4. Operational Issues:

a. In force warnings

All coastal navigational warnings are broadcast on NAVTEX as long as they are in force, if possible at all regular transmission times. If the conditions described in a navigational warning is expected to have long duration a T-NM will also be issued and the Nav Warn will be cancelled in appropriate time.

Once a week BALTICO issues “in force bulletin” listing B₁B₂B₃B₄ and “NavWarn identifier” for all coastal navigational warnings that are in force. The bulletin is transmitted with B₂=A, once on each NAVTEX station, see following example.

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IA29
100851 UTC AUG
BALTIC SEA AREA
NAVTEX MESSAGES IN FORCE:
UA02=FIN103/17 UA06=FIN105/17 UA09=FIN109/17 UA26=PET229/17 UA27=PET230/17
UA28=PET231/17 UA30=SWE169/17 UA31=EST096/17
JA48=GER406/17 JA60=GER416/17 JA70=KAL196/17 JA71=KAL197/17 JA74=POL170/17
JA75=LIT064/17 JA76=KAL201/17
IA05=DAN090/17 IA04=DAN092/17
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All navigational warnings that are in force are also available on the Baltico webpage:

<http://www.sjofartsverket.se/baltico>

b. Disturbance to NAVTEX [U].

The Mediterranean NAVTEX station Mondolfo [U], Italy, is still interfering with the Tallinn [U] station during nighttime. The IMO NAVTEX Coordinating Panel was in contact with the Italian authorities in 2016 and after that the problem seemed to be less noticeable. The problem is however now as serious as before why we kindly *ask the NAVTEX Panel to once again raise the issue with Italy.*

c. The use of DSC to announce MSI broadcasts.

Some of the countries in the Baltic Sea region are using DSC for announcing MSI on VHF but others do not. However, in waters with international shipping, it is desirable that DSC be handled equally in different countries. The ITU Radio Regulations 2016

(<http://search.itu.int/history/HistoryDigitalCollectionDocLibrary/1.43.48.en.101.pdf>),

Chapter VII, Section IV, does not give any clear recommendations about this.

With the purpose of possibly issuing joint recommendations to the Baltic Sea countries regarding the use of DSC for the announcement of MSI on VHF we *would like to learn how DSC is used in this respect, outside the Baltic Sea area.*

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
Ib	YES	YES	YES	YES	YES	YES ¹⁾	YES

1) Only NAVTEX service is provided, which imply 6 scheduled broadcasts.

6. Contingency Planning

The software for operating the NAVTEX stations is installed at two separate offices, MSI SWEDEN in Södertälje and the BALTICO office in Norrköping, with approx. 120 km distance between.

If any of the NAVTEX stations is unusable for some reason, other stations in Sweden or in neighbouring countries can be used according to a plan.

A number of automatic monitoring stations exist to verify the quality of NAVTEX transmissions, see map on page 1.

The NAVTEX transmissions should also be monitored by the national co-ordinators by means of appropriate located receivers on the own coast.

LHD (Latvia) and a Norwegian radio amateur have automatic monitoring systems available on the Internet. These sites are also useful to verify the quality of NAVTEX transmissions (see [Latvia](#) and [Norway](#)).

7. Capacity Building:

At the biennial Baltico Meetings, which are gathering National Co-ordinators from the Baltic Sea nations, questions like drafting warnings, criteria for issuing warnings etc. are on the agenda.

8. Other Activities:

Baltico Meeting

Baltico Meeting is arranged every 2nd year in one of the Baltic Sea countries. The aim of these meeting is to harmonize and improve the MSI services by exchanging experiences and by learning from each others and from international bodies and organization. Prior to the meetings each participating organisation makes a report ([Reporting template](#)) which is posted on the website <http://www.sjofartsverket.se/balticomeeting>.

The 8th Baltico Meeting will be hosted by the Russian Federation in St Petersburg in April 2018.

9. NAVAREA Website:

Coastal Navigational Warnings in the Baltic Sea region are automatically published on the sub-area website <http://www.sjofartsverket.se/baltico>, as soon as they are received from any of the national co-ordinators. Date and time for latest update is shown on the top of page.

Almost all countries in the region present their national navigational warnings on the Internet. However, the way to present Nav Warn on the Internet differs between countries.. Worth mentioning are however the Danish and Finnish websites, which both are presenting warnings on a map (see links under paragraph 1). Note that the Danish website is showing both Nav Warn and T&P-notices.

10. NAVAREA Contact Information:

NO CHANGE

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NtM/BALTICO
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SWEDEN
Tel: +46 771 63 06 05
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Website: www.sjofartsverket.se/baltico

11. Recommendations:

None.

12. Actions requested:

See 4.b and 4.c.

13. Summary:

The Baltic Sea Sub-area Coordinator introduced the Self-Assessment Report covering the period since the previous conference. He stressed problems with the Italian NAVTEX station Mondolfo, interfering with the Estonian station Tallinn [U]. He further asked for advice on the use of DSC for announcing broadcast of MSI on VHF, outside of schedule. He finished by highlighting the Danish website which is presenting both Nav Warn and T&P-notices on a map.