

Expert Working Group for Mutual Exchange and Deliveries of AIS data
23rd Meeting
Helsinki, Finland, 11-12 September 2012

Agenda Item 10 Any other business

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Submitted by: Chairman

BALTIC SEA REGION E-NAVIGATION FORUM

A Baltic Sea Region e-Navigation Forum has been established and it had a meeting on 17 August 2012. This document includes the Terms of Reference of the Forum as well as the Minutes of the last meeting.

The Meeting is invited to take note of and discuss the information.

29 May 2012

Terms of Reference
e-Navigation Forum
Baltic Sea Region

Purpose

1. The forum will aim at offering guidance to national maritime authorities (and other stakeholders) on the implementation of e-Navigation, as defined by the International Maritime Organisation, in the Baltic Sea Region.
2. The forum will seek harmonisation of e-Navigation activities in the region. The forum will also seek regional alignment of national positions on e-Navigation with the aim of strengthening the region's influence vis-a-vis the International Maritime Organisation, the International Association of Marine Aids to Navigation and Lighthouse Authorities, the International Hydrographic Organization and other relevant international organisations.
3. The forum will seek coordination between regional activities with similar forums globally, particularly in the European Union.
4. The forum will support the development of a regional e-Navigation strategy.
5. The forum will coordinate, support and promote the continuous implementation and use of e-Navigation test beds in the region. The aim is to fulfil the vision outlined in the European Union's strategy for the Baltic Sea Region, according to which the Baltic Sea Region shall become a pilot region for e-Navigation.

Participants

The participating administrations will initially include experts from the Danish Maritime Authority, the Finnish Transport Agency, the Swedish Maritime Administration, the Polish Maritime Authority, the Estonian Maritime Administration, the Maritime Administration of Latvia and the Norwegian Coastal Administration.

Other administrations, organisations and relevant individuals may be admitted to the forum by invitation.

Organisation

The participating administrations are the custodians of the forum. They will host annual meetings in turn. During the year, the forum will collaborate by means of electronic communication. The activities will be coordinated by a chairman and vice chairman who will be elected at the annual meeting and serve for a term of one year. Each participant must cover their own cost in relation to the forum.

Meeting in the e-navigation forum, Baltic Sea Region

Minutes

August 17, 2012

DMA, Copenhagen

Participants

Swedish Maritime Administration:	Rolf Zetterberg
Danish Maritime Authority:	Omar Frits Eriksson Thomas Christensen (minutes)
Finnish Transport Agency:	Tommi Arola
Estonian Maritime Administration:	Tiit Palgi
Polish Maritime Authority:	Absent
Norwegian Coastal Administration:	Jon Leon Ervik

The meeting followed the agenda

1. Approval of agenda

The agenda was approved with the addition of AOB.

2. Approval of minutes from last meeting

The minutes were approved.

3. Election of chair and vice chair for 2012 – 2013

Omar Frits Ericsson (DMA) was elected chairman of the forum.

Rolf Zetterberg (SMA) was elected vice chairman of the forum.

4. Status on action points

This will be summarized under actions.

5. Progress relating to guidance on e-navigation implementation (ToR purpose 1)

As e-navigation is still in its infancy, it is limited how much guidance that is relevant at this stage. Two areas could be relevant:

1: To provide general information about e-navigation in the maritime domain at large
NCA is on request from IMO making an e-navigation information flyer. This could be very useful in this regard. The forum will receive an early version, which it will be able to comment.

2: We should encourage our own authorities to get involved and to make national e-navigation strategies. We will collect all national e-navigation strategies that we are aware of, to be used for inspiration.

6. Progress relating to regional and international e-navigation

6.1 The overall e-navigation process

Jon gave a presentation of the status of the overall e-navigation process in IMO under Norwegian chairmanship.

Norway is currently focusing on FSA. An updated document on e-navigation solutions will be sent to the CG (correspondence group) in September. This will be input to the FSA.

Work is also being done on the MSP (Maritime Service Portfolio), and this will also be send to the CG in September.

6.2 Status in Denmark

In Denmark our main e-navigation effort is through the participation in the ACCSEAS project. Up to now we have been working with a draft S-100 product specification of MSI/NtM, and further development of e-navigation services such as NoGo areas and route exchange.

We also participate in the Monalisa project, in which we implement the Monalisa dynamic route concept in the open source platform we also use in the ACCSEAS project.

Furthermore we are working on the planning of next year's e-Navigation underway conference.

Finally we are also trying to mature the e-navigation portal 'www.e-navigation.net'. This portal should contain information regarding test beds and portrail examples from all over the world. Our aim is to have something mature before e-NAV12, so we can open up for IALA members to upload information on the site.

In the near future, we will be looking at developing a national e-navigation strategy. Our aim is to have a draft version ready before the end of the year.

6.3 Status in Sweden

Sweden does not have, and have no immediate plan to develop, a national e-navigation strategy.

Sweden's main focus is on route exchange and optimization which is one of the core elements of the Monalisa project which they lead.

They are currently working on a follow up project; Monalisa 2.

Sweden also participates in ACCSEAS.

Sweden has initiated a project for renewal of its coastal radio system, which includes TCP/IP based transmission and SW defined VHF transceivers which can be configured for data transmission.

6.4 Status in Estonia

Estonia is setting up a group that should work on e-navigation.

They are in a process of validating their AtoN sensors (angle, wave height etc).

6.5 Status in Finland

Finland is transmitting METOC through AIS. They are not yet using application specific messages or geographical areas.

They are working on a project called 'tanker safety'. This is a demonstration project in which vessels send their route (from Furuno ECDIS) over the internet to shore. The vessel gets METOC information on it's route. Demonstration should be ready in the autumn.

Finland is also renewing their traffic management systems.

At the moment they cannot transmit AtoN status through AIS. This is one area of possible development.

Work is also being done on a maritime strategy stressing open services and data. E-navigation will be covered in this strategy.

A new project on intelligent fairways / smart boys may be started next year. Smart boys will feature sensors for measuring water depth and oil analysis.

6.6 Status in Norway

The main focus is to support the Norwegian IMO e-navigation chairman.

Apart from this, Norway is participating in the ACCSEAS project and was participating in the now terminated BLAST project. BLAST partners are working on a follow up project, but NCA will not participate in this. Norway will however participate in the Monalisa 2 project, if it becomes a reality.

Of special interest to Norway are items related to the single window concept and S-100.

Regarding e-navigation strategies, Norway is working on a national transport plan, which also will cover the implementation of e-navigation.

6.7 Other regional activities

Collaborative work between Finland and Sweden is being done on the next generation IBNET system; an ice navigation system. Rolf is trying to promote the use of S-100 in this context.

6.8 Liaison with EUGIN

If they want to address the forum, we are willing to listen, if they want to hear from us, we are willing to present, but apart from this the forum saw no point in a closer collaboration, at least at this stage.

6.9 Question from the chairman: What are your planned e-navigation investments

NO: Updating VTS nationwide, which will open up for e-navigation capabilities
 Increased radar coverage

- Upgrading DGPS stations
- Second generation AIS basestation system
- DK: Investing in simplifying AIS basestation network
No specific plans for e-navigation investments
- FI: Traffic management systems (multimodal)
This will not be e-navigation driven, but will enable e-navigation
AIS data transmission could be regarded as e-navigation investment
Also work on single window is relevant in this context
- ES: Is developing an AtoN database maintain the status of AtoN's which could be transmitted
Possible update of DGPS, but there was no funding for this yet
- SE: Upgrading radio system; IP based using software defined radios
Update of DGPS system
Renewal of VTS systems
New capabilities to transmit AIS messages
New capabilities to transmit METOC information
Work on single window concept
Many other e-navigation activities, but none driven by e-navigation

6.10 Various regional initiatives on exchange of intended route and route suggestion

The know initiatives were mentioned:

- EfficienSea / ACCSEAS
- Tanker safety
- Monalisa

Thomas said that it is important to have solutions mentioned in the IMO e-navigation documents that will cover route exchange. Otherwise route exchange may not have a future in the e-navigation context, and it would probably be very difficult to push route exchange through any other channel in the IMO. Thomas will propose a small text on this matter.

6.11 Participation in the to-be-established IMO/IHO data harmonization group

NCA will participate and probably DMA. No other countries had plans for this. It was uncertain who was going to initiate the forming of this expert group. Jon would investigate.

7. Progress relating to coordination with similar forums

At this stage the primary target of this activity will be the group(s) in the north sea formed by the ACCSEAS project. The ACCSEAS project will form three groups:

NSR e-navigation users forum
 NSR e-navigation service providers coordination group
 NSR e-navigation transnational advice and guidance group

The groups are however not formed yet, so no action on this group is relevant now.

It was mentioned that the MEH project in the Malacca strait might be a relevant organization to liaise with.

8. Progress on a regional e-navigation strategy

It was discussed whether we should have a regional user requirements matrix similar to the one Canada has developed. It was concluded that we should rather have a regional MSP matrix, and this forum should start to develop a framework for that. DMA will make a first draft to be discussed at the next meeting.

9. Progress on regional test beds

Monalisa: One year left. Focuses on route exchange and optimization.

ACCSEAS: Still starting up. Working on gathering data for analysis, S-100 and development of services.

Tanker safety. Also involves route exchange. Scheduled to make demonstration in the autumn.

10. Actions

Action	Responsible	Status
Setup a dropbox for the forum to exchange documents	Thomas (DMA)	Done
Upload national e-navigation strategies. All that can be made available; i.e. also from outside our region.	All	Active
Make a vision statement. This was drafted by Tommi Arola, and an initial version was finalized at the meeting. Tommi Arola will upload this	Tommi (FTA)	Active
Make draft version of IMO e-navigation information flyer available for the forum in the dropbox for commenting.	Jon (NCA)	Active
Make Norwegian National Transport plan available to the forum in the dropbox	Jon (NCA)	Active
Make a proposal for a IMO e-navigation solution on route exchange	Thomas (DMA)	Active
Figure out who will initiate the forming of the IMO/IHO data harmonization group, and when this is likely to happen	Jon (NCA)	Active
Make a first draft of a regional MSP matrix template	Thomas (DMA)	Active
Add information of the Tanker safety project to the IALA e-navigation test bed and portrayal portal	Tommi (FTA)	Active
Propose Russia to participate in the forum at the next GOFREP meeting.	Alar (EMA)	Active
Propose Lithuania and Russia to join the forum at the next HELCOM AIS EWG	Rolf, Marek (SMA, PMA)	Active
Invite Germany	Thomas (DMA)	They have been invited, and

		their foreign is currently considering
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11. AOB

Nothing was discussed.

After the meeting, we have received message from the Maritime Administration of Latvia, that they formally have joined the forum!

12. Next meeting

We will have a short virtual meeting after the GOFREP and HELCOM meetings on the 23/11 at 10:00 CET. The sole purpose of this meeting will be to follow up on the inclusion of the remaining countries.

The next regular meeting will be just after the e-navigation underway conference, as many of the participants will be gathered in Copenhagen at that time anyway. The meeting will thus be held in Copenhagen on the 1st of February 2013 at 9:00. The address will be revealed at a later time, since the old DaMSA HQ may not be available at that time.