Baltic Marine Environment Protection Commission

Expert Working Group for Mutual Exchange and Deliveries of AIS & Data
Helsinki, Finland, 28-29 May 2019

AIS EWG 30-2019

Document title	Questionnaire – AIS status at National Level
Code	3-1
Category	DEC
Agenda Item	3 – Recent national developments of AIS
Submission date	25.04.2019
Submitted by	Norway
Reference	

Background

Norwegian Coastal Administration want a good and robust regional server that provides good service to the member countries. We therefore want your help to identifying how your national AIS system works, and what is missing, and what needs to be improved at a regional server level. In addition, the questionnaire for EU member states, will be provided too EMSA.

If the HELCOM AIS EWG wants, the result from the attached questionnaire can be an orientation at the next meeting.

Please fill in as much as possible in the attached voluntary questionnaire. You can write direct in the document. If you find a question that cannot be answered, please type Not Applicable (NA).

Please fill in the form and send it to malin.dreijer@kystverket.no at latest **2 July 2019**.

Many thanks for your support.

Action requested

The Meeting is invited to agree that the results of the questionnaire will be considered by AIS EWG 31-2020.

QUESTIONNAIRE - AIS status at national level HELCOM AIS Region

Please fill in and send it at latest 2 July 2019 to malin.dreijer@kystverket.no

1	**AIS base stations operated and AIS coverage**	
a	How many AIS base stations do you operate (put emphasis on possible updates)?	
b	What is the AIS coverage *(theoretical and empirical in nautical miles)?*	
2	**The system's ability to receive, store and exchange data**	
a	Which types of AIS messages received/transmitted by your national system *(e.g. Msg 1, 2, 3, 4 etc.)?*	
b	What is the data throughput applied (in msg/second)?	
c	What are the capabilities of the national AIS server for the reception and storage of data from shore based AIS installations, how many days to store historical data?	
3	**Data buffering and retransmission in case of unexpected interruptions in the data flow between the national system and the MARES Regional Server**	
a	Do you have any capabilities to filter the data?	
b	Do you have any capabilities to down-sample the outgoing data? If yes, is the down-sampling rate configurable? What are the configuration steps *(e.g. no down sampling, one minute/ 6 minutes, etc.);*	
c	Is the data buffering applied by your system in case of unexpected incidents? If yes, is the stored data down-sampling applied and what is the down-sampling rate?	
d	What is the buffered data storage capacity (e.g. in days)?	
e	Is the buffered data retransmission (i.e. in case of a re-establishing connection) initiated manually *(by the duty personnel) or automatically (by the system)?*	
f	What is the data resending order/ priority *(e.g. FIFO, FILO etc.)?*	
g	For how long is data archived/stored? For how long is data archived before being permanently purged or set in off-line media *(e.g. DVDs)?*	
h	Is the provision of archived data supported by the system? If yes, in which format?	
i	Is it possible to install multiple instances of the National Proxy (NPR) on your system?	
4	**Contingency plans implemented to ensure the continuation of the service (e.g. back-up servers, 24/7 support)**	
a	Do you have any contingency plans established?	
b	Do you have any capabilities to monitor the status of the AIS BSs/communication links/NPR connections?	
c	Do you have a back-up server available to ensure the continuation of the service?	
d	Do you have 24/7 operational and/or technical support available?	
5	**Improvements**	
a	What changes/upgrades/improvements have been applied to your national AIS systems during the reference period?	
b	Do you have any improvements/upgrades planned?	