

Input Paper – MSDI Activities at the BSH

Submitted by:	Germany, Federal Maritime and Hydrographic Agency (BSH)
Executive Summary:	Report on the ongoing activities at the BSH relating to MSDI topics
Related Documents:	
Related Projects:	

Introduction / Background

At the 15th MSDI working group in-person meeting in Bali, Indonesia from 4 to 8 March 2024, the working group decided to prioritize work items relating to innovation and sharing experiences and success stories from implementing national MSDI. Additionally, the land sea interface and uniform vertical reference frames, implementation of S-100, and the importance of collaboration and data sharing between national agencies were emphasized. Ongoing MSDI activities at the BSH are summarized in this report.

Analysis / Discussion

S-100

The BSH is working on the transition to S-100. We have produced test datasets for S-125, S-127, and S-128. The S-128 test dataset is available on our website and is updated every week. Additionally, the BSH has produced the first HD-ENC and is working on a project to automate pdf output from S-100 gml data – the Vessel Traffic Services Guide can be automatically produced from S-127.

DGGS

BSH published an article in May in the IHR titled “Exploring the possibility of adding DGGS support to the S-100 Universal Hydrographic Data Model.” The article explains what DGGS are, summarizes the work done by the OGC on DGGS in the hydrographic domain and presents the first tests done at the BSH. The goal with the publication of the article is to start a discussion about adding DGGS support to S-100 in the future.

National and International Cooperation

Nationally, the BSH is in discussion with bremenports and the Hamburg Port Authority (HPA) about the processing of port authority data. Internationally, the BSH is offering a secondment opportunity later this year in cooperation with the IC-ENC, to exchange and share experiences about producing S-100 data.

Portal

The following data services are provided via the GeoSeaPortal for national and international use:

- Routing measures,
- Navigation rules for passenger shipping,
- Geographical names,
- navigation aids and
- coastline in three different levels of generalisation.

Conclusions

The BSH has many ongoing activities relating to MSDI, S-100 implementation and national and international cooperation.

Action Required of BSHC

The BSHC is invited to:

- a. note this paper
- b. is encouraged to present further national developments