

PRIMAR S-102 Project

<i>Submitted by:</i>	Norway
<i>Executive Summary:</i>	PRIMAR is developing and testing a distribution module for bathymetric data on the S-102 format.
<i>Related Documents:</i>	BATHYMETRIC SURFACE PRODUCT SPECIFICATION Edition 2.0.0 – DRAFT, IHO Publication S-102
<i>Related Projects:</i>	

Introduction / Background

PRIMAR has since 2013 been developing support for distribution of bathymetric data on the S-102 format. The development was expanded into a Pilot Project in 2014, inviting different stakeholders in the value chain to participate and observe the progress. In 2015, the PRIMAR S-102 project was expanded with the development of S-102 validation modules and S-102 viewer modules. Operational status is expected to be reached medio 2017, when all modules have been developed, tested and implemented.

Analysis/Discussion

From the S-102 standard:

“Concurrent with the advent of electronic navigation, the need for high resolution bathymetric data in the form of a bathymetric model, has become a requirement to better enable the systematic fusion of temporal data such as tidal heights and also to enable the same data to be used for other applications where a shoal-biased model may not be optimal. Furthermore, having such a model allows an ECDIS or ECS to make other intelligent adjustments such as contour intervals.”

“Bathymetric Surface data may be used alone or it may be combined with ENC or other S-100 compatible data. As such this Bathymetric Surface product specification describes one of a number of additional layers that could be integrated with other S-100 products for use with ENC.”

The distribution modules under development in PRIMAR aims for distributing S-102 as both data and as a service (WMS).

Action Required of NSHC

The NSHC32 is invited to take note of this paper.