

4th S-100 Working Group

**Report of the 5th S-102 Project Team Meeting
(25-26 February 2019)**

S-100WG4-7.1

S-102 Project Team Meeting

Twelve (12) Member States Represented

- Belgium, Brazil, Denmark, Canada, China, France, Germany, Norway, Sweden, United Kingdom, and the United States.

IHO Secretariat

- Mr. Abri KAMPFER, Director
- Mr. Tony Pharoh, Assistant Director
- Ms. Julia Powell, S-100WG Chair

Industry

- Teledyn Caris, WRSystems, and ESRI

Expert Contributors

- PRIMAR, SevenCs, and IIC Technologies

Observers

- University of New Hampshire

S-102 Project Team Meeting Agenda

PRIMARY: Finalize S-102 Edition 2.0.0

- Adjudicated comments from HSSC Letter 02/2018.
- Adjudicated comments from S-102 Project Team.
- Updated S-102PT on S-102 Converter(s)
- Discussed S-102 Feature Registration

SECONDARY: Post-Edition 2.0.0 discussions

- S-102PT received early brief on “HDF5 File Families” and “Gridded data and HDF5 Format”.
- BSH presented a brief titled “Applicability of S-102 PS for Data Producers”
- SPAWAR briefly demonstrated use of Aspect Ratio in place of sun-illumination.
- SHOM presented a brief on epoch.

S-102 Feature Registration

Registered/Selected Three Features:

Feature Type (registered)

- **Name:** S102 Bathymetry Coverage
- **Definition:** A set of value items required to define a dataset representing an elevation calculation and its associated uncertainty.
- **CamelCase:** S102BathymetryCoverage

Feature Attribute (selected)

- **Name:** Uncertainty
- **Attribute Type:** Simple
- **Definition:** The interval (about a given value) that will contain the true value of the measurement at a specific confidence level.
- **CamelCase:** uncertainty

Feature Attribute (selected)

- **Name:** Elevation
- **Attribute Type:** Simple
- **Definition:** The altitude of the ground level of an object, measured from a specific vertical datum.
- **CamelCase:** elevation

NOTE: Cannot use *elevation* attribute due to definition. Planning to register *depth* to replace *elevation*.

S-102 Converter Update

Two versions completed

- Red Hat Linux (RHEL): Initial version completed June 2018
- Windows: Initial version completed January 2019

Converters posted to the S-100WG4 page

- Additional work aligning metadata required
- Need to swap *elevation* attribute with *depth* attribute
- RHEL and Windows versions will be updated over the next couple months.

Note: Converters require input file to be in Bathymetric Attributed Grid (BAG) format.

Finalization Timeline - S-102 Ed 2.0.0

S-102 Product Specification

- Conduct S-102PT Meeting (25-26 Feb)
- Incorporate final comments/cleanup (27 Feb – 8 Mar)
- Final S-102PT review (8 – 14 Mar)
- Deliver S-102 to IHO – (15 Mar)

S-102 Features and Feature Catalogue

- Register “*depth*” attribute (NLT 15 Mar)
- Complete feature catalogue (NLT 30 Mar)

Conclusion

Taking into consideration the following:

- The S-102PT membership is made up of S-100 WG members
- Finalization of S-102 Ed2.0.0 is set for 14 Mar 2019

The S-102 Project Team is requesting the following:

1. Endorsement from S-100 working group to proceed with effort to finalize Edition 2.0.0 of the product specification.
2. Once finalized, the project team is requesting approval to deliver S-102 Ed2.0.0 to the IHO for consideration at the next HSSC meeting.