

13th Meeting of the S-101 Project Team (S-101PT) Stockholm, Sweden, 17 - 19 June

Contribution to the IHO Work Programme 2024	
Task 2.1.2.11	Organize, prepare and report meetings of S-101 PT

The 13th meeting of the S-101 Project Team (S-101PT13) was held in Stockholm, Sweden, from 17 to 19 June 2024, principally as an in-person meeting, but also providing live streaming for remote attendees. The meeting was chaired by Mr Thomas Richardson (United Kingdom) with co-vice chairs Mr Klas Östergren (Sweden) and Mr Alvaro Sanchez (Australia) ¹.

A total of 42 in-person participants attended the meeting, including 26 delegates representing 17 Member States (Australia, Brazil, Canada, Denmark, Estonia, Finland, France, Germany, Italy, Latvia, Morocco, Netherlands, Norway, Republic. of Korea, Sweden, United Kingdom and United States of America). External liaison representatives from the International Electrotechnical Commission (IEC) and International Association of Marine Aids to Navigation and Light-house Authorities (IALA) also attended, as well as 12 Expert Contributors. The IHO Secretariat was represented by Assistant Director Yong Baek and Technical Standards Support Officer Jeff Wootton, who serves as Secretary for the S-101PT.




Opening Remarks by HSSC Chair and S-101PT Chair

Mr. Magnus Wallhagen, HSSC Chair and the National Hydrographer of Sweden, provided opening remarks, welcoming attendees to Sweden and stressing the importance of the meeting in achieving this milestone for S-101 ENC development so as to meet the S-100 timeline outlined in the S-100 Roadmap and the IMO revised Resolution on ECDIS Performance Standards. The S-101PT Chair then opened the meeting, emphasizing the key agenda items, which primarily focused on unresolved issues to ensure that the operational version of the S-101 Product Specification is submitted by the required deadline. This submission must be completed by July 26, 2024, to meet the submission timeline for S-100WG and HSSC endorsement, and Member State adoption, by the end of 2024.

The S-101PT13 meeting concluded several important technical decisions and actions:

¹ Remote attendance.

- **S-101 Validation Checks:** The validation checks for S-101, as directed by HSSC-16, has been assigned the Product Specification number S-158 which is scheduled for publication in 2025.
- **S-100 ECDIS ENC Update Indication:** For S-101 Edition 2.0.0 and initial implementation of S-100 ECDIS, the functionality to display indications of changes to ENC as included by ENC updates will be implemented as for S-57/S-52 ECDIS. The Update Information feature will initially be optional, with a phased approach to be raised to the S-100WG and the HSSC to potentially mandate this feature to replace the existing ECDIS functionality.
- **Interoperability Identifier (ID):** It was agreed that the inclusion of the Interoperability ID attribute (in Maritime Resource Name (MRN) format) on all Meta and Geo features for S-101 Edition 2.0.0 will facilitate efficient interconnection between corresponding features included in different S-1xx products. Guidance regarding the Interoperability ID will be included in S-97 for a harmonized approach across all S-100 Product Specifications. The S-101PT Chair will raise this issue with the S-100WG for the development of more detailed guidance in the S-97.
- **Vertical Datum Information:** The meeting agreed on a clarification to S-101 that vertical and sounding datum information presented to the mariner in S-100 ECDIS will be derived only from Meta features. The vertical Coordinate Reference System for soundings populated in the ENC dataset header (DSID) will not be used for this purpose.
- **ENC Support Files:** The terms "ENC support files" and "system support files" were agreed upon to distinguish files referenced by attribution within an ENC dataset from files such as Catalogue files required for end-user system implementation. It was also decided that HTM and XML formats will be removed from S-101 as allowable file formats for S-101 ENC support files.
- **S-101 Edition 2.0.0 Product Specification Finalisation:** The S-100WG chair has set a deadline of 26th July 2024 for the submission of the final Product Specification, which will require completion of the S-101 documentation (Main and DCEG), Feature Catalogue and Portal Catalogue as shown below:


IHO FINALISATION OF 2.0.0
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- The S-100 WG chair has set a deadline of 26th July 2024 for the submission of a final product specification the scope of this is as follows
- Main Document, DCEG, FC*, PC* and Validation Checks (Catalogues will be unsigned at this stage)
- To achieve this after the PT 13 meeting priority tasks are as follows
 1. Preparation of the 1.4.0 DCEG (Jeff W) 25th June
 2. Preparation of the 1.4.0 Feature Catalogue (KHOA) 3rd July
 3. Preparation of the 1.4.0 Portrayal Catalogue (NIWC) 19th July
 4. Preparation of the 1.4.0 Validation Checks (Klas O) 19th July

Separately based on FC 1.4.0 Test Datasets will be updated and open Github issues resolved [Issues · iho-ohi/S-101-Test-Datasets \(github.com\)](https://github.com/iho-ohi/S-101-Test-Datasets)

Timeline for S-101 Edition 2.0.0 finalisation

A series of S-101PT remote meetings will be held as required in the second half of this year, taking into consideration further issues raised and the approval process for S-101 Edition 2.0.0. The next in-person meeting of the S-101PT is planned to be a joint meeting with the ENCWG in the second half of 2025, with the date and venue to be confirmed.



S-101PT13 meeting in-person participants