



ENCWG VTC catch-up meeting

15-16 Feb 2022

Agenda Item VTC1-12

Update of the « *S-57 to S-101 Conversion Sub-group* »



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UPDATE SINCE ENCWG MEETING 6 (15 – 17 JUNE 2021)

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- For info until ENCWG6, refer to:
https://iho.int/uploads/user/Services%20and%20Standards/ENCWG/ENCWG6/ENCWG6_2021_EN_6-10_S-57toS-101.pdf
- Github: <https://github.com/iho-ohi/S-57-to-S-101-conversion-sub-WG>
- 5 Sub-group 2 hours meetings (next meeting: 21st Feb 2022)
- Target: submission of edition 1.0.0 to HSSC 14 for endorsement (submission deadline: 28 March)
- Document identification as IHO publication to be proposed by the ENCWG

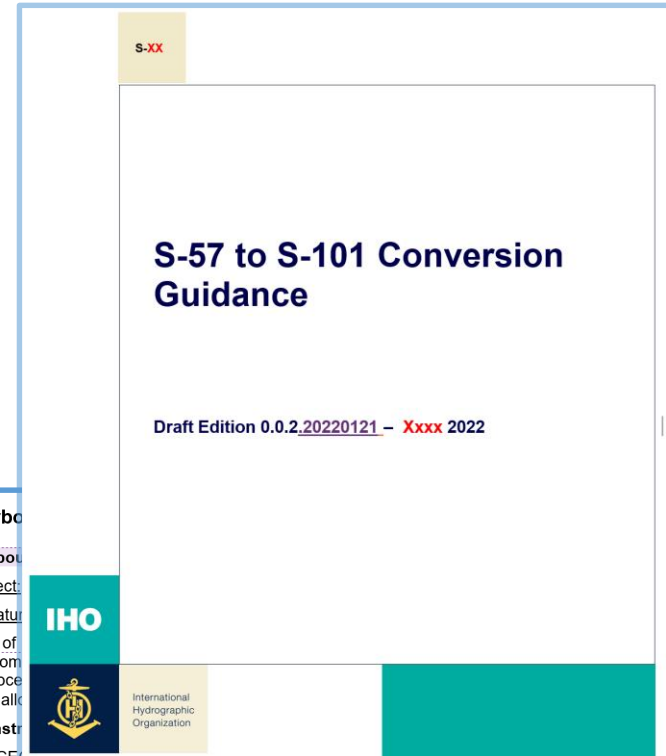


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THE CONVERSION DOCUMENT

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- Based on the S-57 UOC (same structure)
- Is aligned to S-101 DCEG Edition 1.0.2.
- Guidance for HOs and conversion tool providers
- Good progress on the review
- Focussed on S-57 data preparation before conversion.



4.6 Harbours

4.6.1 Harbours

S-57 Geo object: **BERTHS** (P.L.A)

S-101 Geo feature: **Berth** (P.C.S) (S-101 DCEG Clause 8.13)

All instances of encoding of the S-57 Feature object **BERTHS** and its binding attributes will be converted automatically to an instance of the S-101 feature **Berth** during the automated conversion process. However, Data Producers are advised that the following enumerate type attributes have restricted allowable enumerate values for **Berth** in S-101:

quality of vertical measurement (QUASOU)

status (STATUS)

See S-101 DCEG clause 8.13 for the listings of allowable values. Values populated in S-57 for these attributes other than the allowable values will not be converted across to S-101. Data Producers are advised to check any populated values for QUASOU and STATUS on **BERTHS** and amend appropriately.

The following additional requirements for S-57 attribution must be noted:

- The attribute **maximum permitted draught** has been introduced in S-101 to encode the maximum permitted vessel draught at the berth. This information is encoded in S-57 on **BERTHS** using the attribute **INFORM** (see clause 2.3). In order for this information to be converted across to S-101, the text string encoded in **INFORM** on the **BERTHS** should be in a standardised format, such as *Maximum draught permitted = [xx.x] metres*, where [xx.x] is the value of the maximum permitted vessel draught (decimal part not required if the value is whole metres). For example *Maximum permitted draught = 11.5 metres*.



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OTHER ITEMS

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- Work of the Sub-group has been used for the elaboration of the S-100 ECDIS Dual-Fuel Governance document.
- No major problems to conversion identified so far (if S-57 data is “prepared” and the conversion rules “customizable”).
- The document does not treat “ongoing” conversion (ERs), nor S-101 to S-57 conversion.
- Conversion document 1.0.0 will need to be fully tested for preparation of Edition 2.0.0 (IHO Singapore Innovation Lab Project; UKHO & Shom S-100 ECDIS project; others projects ??).



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Thank you

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