



ENCWG 7 meeting

Update on the S-57 to S-101 conversion since ENCWG 2022 VTC meeting

Agenda Item 4.8



- “S-57 to S-101 Conversion Guidance document”, draft edition 1.0.0 presented at HSSC14 (May 2022) as S-65, Annex B.
- HSSC approval for implementation and testing.
- Council 6 (Oct. 2022) commended Jeff for this outstanding achievement.



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EDITION 1.1.0 OF THE DOCUMENT

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- Draft edition 1.0.0 is based on the S-101 FC 1.0.2.
- Some data models changes between S-101 FC 1.0.2 and 1.1.0.
- Jeff has already applied the changes agreed by the S-101 DCEG Sub-Group. Other updates needed after S-101PT9 this week.



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CHANGES APPLIED FOR EDITION 1.1.0

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List of changes added

Summary of Substantive Changes in Edition 1.1.0



<u>Change Summary</u>	<u>Clauses Effected</u>
<u>Removed curve as an allowable geometric primitive for S-101 feature Information Area.</u>	<u>2.5</u>
<u>Revised guidance for the conversion of LOCMAG to Local Magnetic Anomaly due to remodeled complex attribute magnetic anomaly value.</u>	<u>3.1.2, A-1, A-3</u>
<u>Amended guidance for conversion of DOCARE to Dock Area to account for Dock Area no longer being a Skin of the Earth feature in S-101.</u>	<u>4.6.6.3, 5.4.8, A-1</u>



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CHANGES APPLIED FOR EDITION 1.1.0

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- Name changed

12.4.1.1 Emergency wreck marking buoys

S-101 Geo Feature: Buoy ~~New Danger~~Emergency Wreck Marking (P) (S-101
DCEG Clause 20.6)

- Skin of the Earth

4.6.6.3 Tidal and non-tidal basins

S-57 Geo Object: Dock area (**DOCARE**) (A)

S-101 Geo Feature: **Dock Area** (S) (S-101 DCEG Clause 8.18)

All instances of encoding of the S-57 Object class **DOCARE** and its binding attributes will be converted automatically to an instance of the S-101 Feature type **Dock Area** during the automated conversion process. ~~However the following exceptions apply:~~

- ~~• The S-57 attributes DATEND, DATSTA and SCAMIN for **DOCARE** will not be converted. In S-101, the **Dock Area** feature has been included as a Skin of the Earth feature (see S-101 Main document clause 4.3.2.1.1), and as such cannot be removed from the ECDIS portrayal based on date or viewing scale dependency. Date dependency for **Dock Area** in S-101, if required, is indicated by including this information in the complex attribute **information**. See S-101 DCEG clause 8.18.1.~~



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TESTBEDS FOR THE CONVERSION

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1. IHO Singapore Innovation Laboratory project.
2. Primar Conversion task force
3. UKHO – Shom S-100 ECDIS project
4. Any others?



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FUTURE WORK PROGRAMME

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- Edition 1.1.0 to be circulated for review by the ENCWG in early 2023?
- Suggest to align the document number with the S-101 FC version.



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THANK YOU