

ENCWG – S-57 to S-101 CONVERSION SUB-GROUP

VTC MEETING 5, 13 APRIL 2021 – 1700 - 1830 CET

Attendees

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|---|--|
| - Jonathan Pritchard (IIC Technologies - Sub-Group co-leader) | - Herman Schouten van der Velden (Netherlands) |
| - Christian Mouden (France - Sub-Group co-leader) | - Annette Hey (BSH) |
| - Jeff Wootton (IHO Secretariat) | - Klas Östergren (Sweden) |
| - Yong Baek (IHO Secretariat) | - Odd Foere (Norway) |
| - Julie Larrivée (Canada) | - Svein Skjaeveland (Primar) |
| - Elizabeth Hahessy (Denmark) | - Thomas Richardson (i4 Insights) |
| - Richard Fowle (Denmark) | - Susan Marks (ic-enc) |
| - Andrew Richardson (UKHO) | - Inga Fjellanger (Navico) |
| - Megan Bartlett (NOAA) | - Tom De Puyt (Esri) |
| - Mikus Ranka (LINZ-NZ) | - Abinashi Dhungel (Esri) |
| - Robert Nyst (HSO-Canada) | - Hugh Astle (Teledyne Caris) |
| | - Friedhelm Moggert-Kaegeler (SevenCs) |
| | - Cameron Mc Leay (Teledyne Caris) |

- **Agenda**

Subgroup Meeting Progress and Agenda

- **Conversion spreadsheet update (chairs)**
 - Updates
 - Selected items
 - Issues
- **Progress – input from data producers?**
- **Conversion Guidance Document (IHO Sec)**
 - Current status
 - Timetable for reviews and dedicated sessions
- **GitHub Review of Issues**
- **AOB**
 - Data Producer activities
 - Upcoming meetings

- **Remodelled Spreadsheet on Google Docs**

- Since last meeting, the following progress has been made on the spreadsheet:
 - Jeff has aligned the content with edition 1.0.1 of the DCEG;
 - Tom has added some content on the S-58 checks.
- Tom and Liz reported they faced some problems on the collaborative aspects of the document. If other people have such issues, please refer to Jonathan.

- **Conversion Document**

- Jeff presented the major changes in this complete Edition 0.0.1 as compared to the initial draft:
 - The entire document has been processed, but of course still needs being reviewed and enriched.
 - Annex A (S-57 to S-101 conversion quick references) has been added. It presents the objects and attribute values differences between S-57 and S-101 and lists the object that needs special attention for conversion.
- The introduction needs to be refined to present clearly the aim, scope (intended audience) and content of the document.
- We need to agree on the “Use of language”, maintenance regime, etc.
- Hugh pointed out that the converters are all different and will improve with time. Some conversions that are identified as needing manual intervention today may be automatic in the future. The document will have to be flexible on this aspect.
- The document will be used by HOs and stakeholders, and it is not a standard like the UOC or DCEG, the use of “must” is to be considered as much as possible.
- Some topics are in relation with other IHO WGs activities. For instance, there is a need to give guidance on “Scales” and ENC Schemes, but this is also under consideration by the WENDWG and the S-101PT. We will have to work in synergy with these WGs to remain efficient and avoid misunderstandings and inconsistencies.
- Checks should be elaborated to test S-57 data before conversion. There is a possibility to add a new Check 3000 in S-58 Edition 7.0.0 to indicate enumerate values populated in S-57 data that are not allowed in S-101. Additional Checks related to differences between S-57 and S-101 encoding may also be included in this section of S-58.

- **Github**

- Version 0.0.1 of the conversion document is available on the Github at <https://github.com/iho-ohi/S-57-to-S-101-conversion-sub-WG>.
- An “artificial” ENC (FRBRIDGE.000) is also available for conversion tests on Bridges.
- When available, S-101 converted ENCs will be sent on the Github, with a report identifying the issues encountered.

- **Other**

- Denmark and Germany have started analyzing INFORM attributes in their S-57 ENCs and pointed out that there might be an amount of work to prepare the data before conversion (creation of S-101 Information types).
- NOAA supports the DQWG to develop a tool to generate a Excel .xlsx from the S-101 FC.xml to improve readability for those not familiar with XML.
- KHOA has also developed a tool to generate a .doc file from the FC.xml.

- **Next steps**

- It has been agreed to review the Conversion document incrementally and organize VTC sessions accordingly.
- The first review will concentrate on chapters 1 and 2.
- Jeff has sent the comment sheet to the sub-group members on 14 April.

- **Next meetings**

Next meetings to discuss on comments on the Conversion Document and on Issues on the Github are planned on (all at 1700-1900 CEST (1500-1700 UTC; 1600-1800 BST):

- 29 April
- 12 May
- 27 May