



6<sup>th</sup> Meeting of the S-100 Working Group

## **Report of the S-101 Project Team**

S-101 PT Chair Thomas RICHARDSON

**Agenda Item 8.4**



IHO

## MEETINGS HELD DURING REPORTING PERIOD

International  
Hydrographic  
Organization

The S-101 Project Team has met twice since HSSC13

1. S-101 PT 7 May 2021
2. S-101PT 9 Dec 2021

The following sub groups have also met during the period

- DCEG Sub group
- Portrayal Sub Group
- Scales Sub Group



IHO

# PROGRESS DURING THE PERIOD

International  
Hydrographic  
Organization

Good progress has been made across 3 supporting sub groups as follows;

- **DCEG** – Following review of the current DCEG and based on inputs from groups including the Portrayal Sub Group a draft 1.0.2 of the DCEG has been prepared and was endorsed at the PT8 meeting as a working baseline
- **Portrayal** – The sub group has made significant progress and is now developing the new symbols and rules
- **Validation Checks** – Although an initial draft set of checks have been prepared this work has been on hold pending progress on other components, this will be a focus for early 2022



IHO

# WAY FORWARD

International  
Hydrographic  
Organization

- The PT8 meeting reviewed progress against the workplan and identified that test datasets are a significant barrier to progress, there are also limited resources to work up symbol designs and contribute to discussions more generally
- It was agreed to establish a Test Datasets sub group and a lead for this group is now sought, initial work has begin to establish the group and identify test dataset requirements
- Based on Feature Catalogue 1.0.2 as a baseline work will now focus on working up Portrayal Changes and building a Portrayal Catalogue alongside the work on Validation Checks and Test Datasets
- The PT will continue to work closely with the ISO 9001 cell to track progress and during this critical period for S-101 will meet more regularly , additional remote meetings will also be required



IHO

# CHALLENGES

International  
Hydrographic  
Organization

- S-101 1.1.0 has a major dependency on S-100 5.0.0 but also on the associated registry and other infrastructure that is essential to deliver a stable product specification in a timely manner
- The further definition and elucidation of the dual fuel concept (S-100WG6-06.2) is an important input for the PT and this will dictate the extent to which S-101 modifies existing Portrayal during the transition period
- Although the sub groups are active the Project Team continues to draw on a limited group of active contributors additional contributions will be needed to progress S-101 1.1.0 as planned
- There is currently a lack of test datasets especially datasets including full exchange set metadata, efforts are needed to establish a process for test dataset creation



IHO

# OUTCOMES

International  
Hydrographic  
Organization

- The S-100WG is invited to:
  - a. endorse the work plan presented on the next slide
  - b. commence work to deliver support for test dataset production via the IHO Special Projects Fund

**IHO**

# WORKPLAN

International  
Hydrographic  
Organization

| Ref    | Task   | Dependencies         | Who        | Start             | End               | Status      |
|--------|--|----------------------|------------|-------------------|-------------------|-------------|
| A.1.4  | Process registry changes resulting from review of the DPS and DCEG.                      | A.1.2                | IHO Sec    | 01/01/2022        | 01/02/2022        | PLANNED     |
| A.1.5  | Prepare an updated Feature Catalogue for S-101 1.1.0.                                    | A.1.2/A.1.4          | KHOA       | 01/02/2022        | 01/03/2022        | PLANNED     |
| A.1.6  | Prepare new and updated Portrayal content.   | A.1.2                | Port SG    | 01/10/2020        | 31/03/2022        | IN PROGRESS |
| A.1.7  | Process registry changes resulting from Portrayal work.                                  | A.1.6                | IHO Sec    | 01/04/2022        | 01/05/2022        | PLANNED     |
| A.1.8  | Prepare a complete PC for S-101 1.1.0.   | A.1.5, A.1.7         | Port SG    | 01/05/2022        | 01/06/2022        | PLANNED     |
| A.1.9  | Develop and review Portrayal Annex   | A.1.5                | Port SG    | 01/09/2021        | 01/03/2022        | PLANNED     |
| A.1.10 | Prepare an initial draft set of S-101 Validation Checks. (Critical checks as a minimum)  | A.1.2, A.1.5, A.1.8  | VC SG      | 01/04/2020        | 01/09/2022        | IN PROGRESS |
| A.1.11 | Finalise S-101 Test datasets*  | A.1.5, A.1.8, A.1.10 | TDS SG     | 01/01/2022        | 01/10/2022        | PLANNED     |
| A.1.12 | DQWG to conduct review of S-101 draft components.**                                      | Various              | DQWG       | 01/03/2022        | 01/10/2022        | PLANNED     |
| A.1.13 | Prepare content for publication.   | Various              | IHO Sec    | 01/07/2022        | 01/09/2022        | PLANNED     |
| A.1.14 | Conduct pre-publication quality checks.  | A.1.13               | ALL        | 01/09/2022        | 01/11/2022        | PLANNED     |
| A.1.15 | <b>Review DPS and other components for S-100 5.0.0 changes and consequential action.</b> | <b>HSSC 13</b>       | <b>ALL</b> | <b>01/04/2022</b> | <b>01/07/2022</b> | <b>NEW</b>  |

\* Test Datasets for developmental purposes will be provided earlier to support development this task relates to test datasets for S-164 specifically.

\*\* Individual components will be provided to the DQWG for reiew when ready in order to manage the workload.

**IHO**

# SUB GROUP SUMMARY

International  
Hydrographic  
Organization

| Sub-Group Name                         | Lead                                     | Activities (link to working area)  | 2022 Focus   |
|--|--|--|--|
| DCEG Sub-Group                         | Jeff Wootton (IHO Sec)                   | Defining the data model and encoding guidance as provided in the DCEG document.<br><a href="https://github.com/iho-ohi/S-101-Documentation-and-FC/issues">https://github.com/iho-ohi/S-101-Documentation-and-FC/issues</a>   | Preparation of Feature Catalogue 1.0.2 and further review of change proposals.                                 |
| Portrayal Sub-Group                    | Alvaro Sanchez (AU)                      | Defining the symbols and portrayal rules defined in the S-101 Portrayal Catalogue and contributing to the ECDIS functions/requirements.<br><a href="https://github.com/S-101-Portrayal-subWG/Working-Documents/issues">https://github.com/S-101-Portrayal-subWG/Working-Documents/issues</a> | Develop new symbols and rules. Prepare Portrayal Catalogue to support S-101 1.1.0.                             |
| Validation Sub-Group                   | Tom Richardson (UK)<br>(New lead sought) | Drafting of validation checks for S-101 and more generally defining checks for S-100 to support all product specifications.<br><a href="https://github.com/iho-ohi/S-101-Documentation-and-FC/issues">https://github.com/iho-ohi/S-101-Documentation-and-FC/issues</a>                       | Develop and review validation checks for S-101 reflecting S-100 5.0.0 and associated Catalogues.               |
| Scales Sub-Group                       | Christian Mouden (FR)                    | <a href="https://github.com/iho-ohi/S-101-Documentation-and-FC/issues">https://github.com/iho-ohi/S-101-Documentation-and-FC/issues</a>  | Provide guidance in S-101 documentation for Data Producers, on how to organize their S-101 ENCs schemes.       |
| Dataset Load/Unload Strategy Sub-Group | Christian Mouden (FR)                    | <a href="https://github.com/iho-ohi/S-101-Documentation-and-FC/issues">https://github.com/iho-ohi/S-101-Documentation-and-FC/issues</a>  | Review and refine the loading strategy description in S-101 documentation.                                     |
| Test Dataset Sub-Group                 | Lead Sought                              | To specify and coordinate the production of test datasets to support the development and testing of S-101.<br><a href="https://github.com/iho-ohi/S-101-Test-Datasets">https://github.com/iho-ohi/S-101-Test-Datasets</a>  | Design and prepare test datasets to support Portrayal changes based on current and planned Feature Catalogues. |