S-100 Working Test Strategy Meeting Summary and updates to HSSC

Dear S-100 Working Group Members,

I'm writing to provide you with a status update of the progress that has been made since the S-100WG7 meeting held in December 2022 as we move to making S-100 a reality in line with the IHO S-100 Strategic Implementation Roadmap (Annex A). Apologies in advance for the length of this letter.

S-100 Test Strategy Meeting 9

In March 2023, the Test Strategy Meeting was held in Seoul, Republic of Korea. The list of decisions and actions can be found here. As noted from the S-100WG7 meeting the primary topics of discussion would be to resolve the outstanding proposals to S-100 Edition 5.1.0 from the S-100WG7 meeting and review the preliminary draft of S-164 Edition 1.0.0.

S-100 Edition 5.1.0

As the wider community begins to work on their S-100 Edition 5.0.0 Implementation in support of the S-100 Implementation plan TSM Updates, it has been necessary to correct and/or clarify certain aspects of S-100 to improve its usability throughout the wider community as software vendors and ECDIS OEMs start their implementation works. It must be noted that our current scope is only to handle corrections and clarifications and not to extend S-100, as we are in the middle of stabilizing the S-100 Infrastructure in support of ECDIS implementation. In addition, all the corrections and clarifications were discussed at the S-100WG7 meeting in December 2022 and in some cases it was requested that the proposal be further adjudicated at the S-100 Test Strategy Meeting 9. The resulting document is a cumulation of this work and is available for S-100WG approval on the IHO Geospatial Information Registry.

ACTION REQUIRED [Action 7/30]: Working Group Members to approve S-100 Edition 5.1.0 for submission to HSSC15

S-164 Edition 1.0.0 Status

I'm pleased to announce that we have completed S-164 Edition 1.0.0 for S-100WG approval. As we know this is a key component of the S-100 ECDIS infrastructure and is on the critical path on the S-100 Implementation Strategy. In order to facilitate this work, the IHO contracted Mr. Jonathan Pritchard of IIC Technologies to coordinate and prepare the initial draft. S-164 Edition 1.0.0 includes the following:
- Landing page contents and links.
- Up to date contents from existing S-64 and existing S-164 S-101 cells.
- S-98 interoperability considerations.

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- Test drafts for user selected safety contour, Part 17 service aspects and Part 15 authentication and (optionally) encryption.
- Documented Test Data schemes, versions, scenarios and user manual.
- Datasets packaged as edition 5.0.0 exchange sets (including specific FC/PC/IC).
- S-128 contents.
- Initial Dual Fuel tests.
- Test data in conformance with Ed 5.0.0 of S-100, draft where necessary.

The draft edition 1.0.0 of S-164 can be found the IHO Draft Publications page.

NOTE: This draft used the S-64 cover page and the headers refer to S-52. These editorial changes will be fixed for the final submission to HSSC.

In addition, I have elected to merge the S-98 and S-164 Sub-Groups into a single Sub-Group as the two specifications are interdependent on each other as we work to produce operational editions. As a part of this, the IHO will continue to support the project management role in order to continue to progress the work forward.

ACTION REQUIRED [Action 7/38]: Working Group Members to approve S-164 Edition 1.0.0 for submission to HSSC15

S-101 Edition 1.1.0

At the S-100WG7, the members approved Edition 1.1.0 of the S-101 Main document and Annex A, Data Classification and Encoding Guide. Based on this decision, work commenced to create the corresponding Feature and Portrayal Catalogues for S-100WG approval. After an iterative development and review process these Catalogues are now ready for Working Group approval. In addition, an initial version of Annex C, Validation Checks, has been included as part of the S-101 Edition 1.1.0 release.

The draft Product Specification is located on the test bed section of the IHO Geospatial Information Registry linked here: S-101 Edition 1.1.0.

The draft schemas for S-100 5.1.0 are here: https://staging.s100dev.net

ACTION REQUIRED [Action 7/15]: Working group Members to approve S-101 Edition 1.1.0 Feature and Portrayal Catalogues.

S-102 Edition 2.2.0

At the S-100WG7 meeting the progress of the S-102 Project Team in moving forward with Edition 2.2.0 of S-102 was noted. After several months of meetings and review the Project Team is ready to submit S-102 Edition 2.2.0 to the S-100WG for approval. This edition brings S-102 in alignment with S-100 Edition 5.0.0. In addition, because the IHO Member States have noted that the operational edition of S-102 is Edition 3.0.0, only the S-100WG needs to approve this edition for publication.

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ACTION REQUIRED: Working group members to approve S-102 Edition 2.2.0 main document

In summary this letter is requesting the following responses from the Member State representatives of the Working Group by the timelines noted below. No response will indicate approval.

Due by April 30th:
ACTION REQUIRED [Action 7/30]: Working Group Members to approve S-100 Edition 5.1.0 for submission to HSSC15
ACTION REQUIRED [Action 7/38]: Working Group Members to approve S-164 Edition 1.0.0 for submission to HSSC15
ACTION REQUIRED [Action 7/15]: Working group Members to approve S-101 Edition 1.1.0 Feature and Portrayal Catalogues.
ACTION REQUIRED: Working group members to approve S-102 Edition 2.2.0 main document

Please use the attached comment form if you have any comments on these documents.

Please accept my apologies on the short turnaround time for two of the actions as these documents are part of the S-100WG submission to HSSC.

Yours sincerely,

Julia Powell
(IHO – S-100WG Chair)

S-100 Timeline for the prioritized IHO Product Specifications

The S-100 timeline is maintained by the IHO Secretariat as a version controlled Gantt Diagram and is updated and reported annually to the IHO Council.
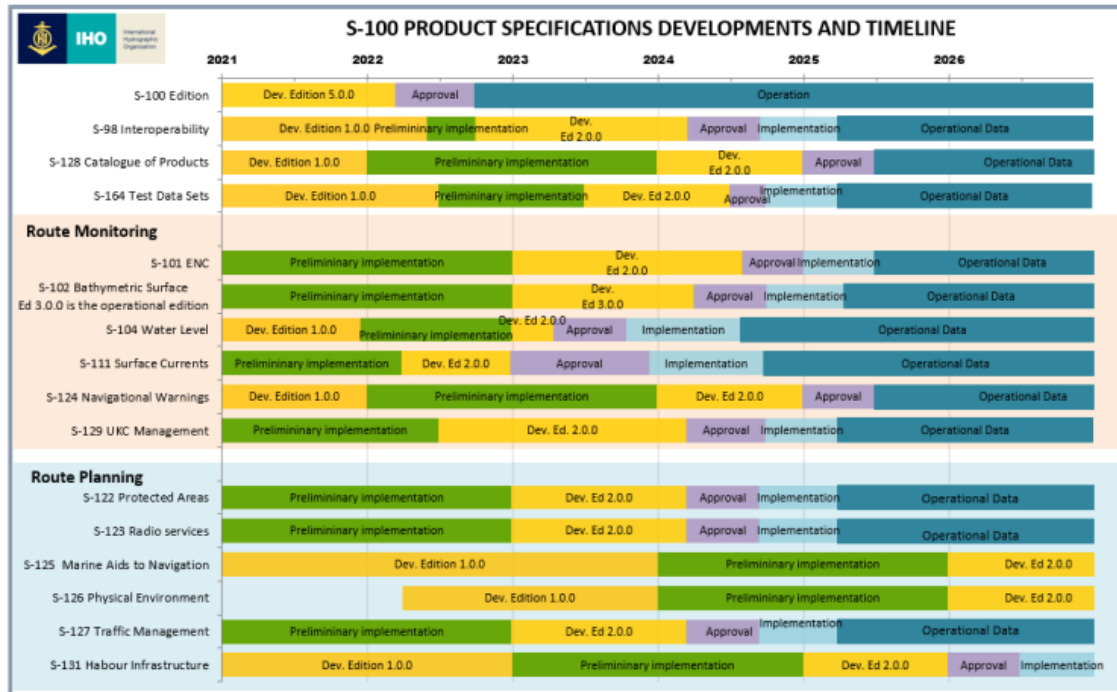

Figure 3 This S-100 timeline is updated: 12 July, 2022.