**LIST of DECISIONS & Actions arising from S-101PT11**

**Updated 16 OCTOBER 2023**

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| **AGENDA****ITEM** | **SUBJECT** | **ACTION****No.** | **ACTIONS****(in bold, action by)** | **TARGET****DATE/EVENT** | **STATUS****(at 27 Nov 2023)** |
| --- | --- | --- | --- | --- | --- |
| **1. Opening and Administrative Arrangements**  |
|  | Contact List | **Permanent** | **IHO Member States** and **Stakeholders** to provide the IHO Sec with their updates to the S-101PT List of Contacts. | **Permanent** |  |
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| **2. Approval of Agenda**  |

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| 02 | Agenda |  | **S-101PT11** approved the agenda Version 2.0 and associated timetable, noting the possible inclusion of an additional Item on an S-101 Impact Study and that Items may be re-arranged to better accommodate remote participants. |  | Decision |
| **3-5. S-101PT Terms of Reference Review, Approval of S-101PT10 Minutes and S-101PT Actions** |
| 03 | S-101PT ToRs Review |  | **S-101PT11** approved the draft S-101PT Terms of Reference as submitted, |  | Decision |
| 03 | S-101PT ToRs Review | S-101PT11/01 | **IHO Sec** to publish the revised S-101PT ToRs on the S-101PT on the S-101PT page of the IHO web site. | **Post-S-100WG8** |  |
| 03 | S-101PT ToRs Review | S-101PT11/02 | **S-101PT** Chair to report the revised S-101PT ToRs to the S-100WG. | **November 2023** | **Complete** |
| 04 | S-101PT10 Report |  | The S-101PT10 Report was accepted without comment. |  | Decision |
| 05 | S-101PT Actions | S-101PT11/03 | **S-101PT Chair/IHO Sec** to liaise with the ENCWG Task Group established to address S-57/S-101 inconsistencies (Action S-101PT4-07 and ENCWG8-05.2). | **S-101PT12** |  |
| 05 | S-101PT Actions | S-101PT11/04 | **Portrayal Sub-Group Chair** to develop changes to S-101 to address issues related to the triggering of false alarms in ECDIS, based on feedback from **S-101PT Chair/IHO Sec** (Action S-101PT4-07). | **S-101PT13** |  |
| 05 | S-101PT Actions | S-101PT11/05 | **S-101PT Chair** to address invalid geometries issue with US (NOAA) and report to S-101PT (Action S-101PT6-01). | **S-101PT12** |  |
| 05 | S-101PT Actions | S-101PT11/06 | **ENC Scales and Dataset Load/Unload Sub-Group** to develop guidelines on using S-101 scale ranges and scaleMinimum (Action S-101PT8-34). | **S-101PT12** |  |
| 05 | S-101PT Actions | S-101PT11/07 | **IHO Sec** investigate the depth resolutions for regulatory depths for consistency and report to S-101PT (Action S-101PT10-09). | **S-101PT12** |  |
| **6. Sub-Group reports** |
|  | DCEG Sub-Group Update |  | **S-101PT11** **noted** the DCEG Sub-Group report; and **approved** the recommendations included in the report, subject to the addressing of actions identified from the report. |  | Decision |
|  | DCEG Sub-Group Update |  | **S-101PT11 agreed** to allow for variable units of measure for speed restrictions to be encoded in S-101 ENCs. |  | Decision |
|  | DCEG Sub-Group Update |  | **S-101PT11 approved** the proposal to amend the buoy and beacon names in S-101, with scope for future consideration of similar circumstances in S-101. |  | Decision |
|  | DCEG Sub-Group Update |  | **S-101PT11 approved** the addition of a new attribute textRotation in S-101. |  | Decision |
|  | DCEG Sub-Group Update |  | **S-101PT11 agreed** to retaining the current definition for the Total Vertical Uncertainty (TVU) that exists in S-101. |  | Decision |
|  | DCEG Sub-Group Update |  | **S-101PT11 approved** the addition of a new attribute interoperabilityIdentifier on the aids to navigation features in S-101 to facilitate testing. |  | Decision |
| 06.1 | DCEG Sub-Group Update | S-101PT11/08 | **IHO Sec** to discuss concerns raised by FI regarding the modelling and guidance for feature names in multiple languages; and apply changes as appropriate for consideration of the S-101PT. | **S-101PT12** | **Complete** |
| 06.1 | DCEG Sub-Group Update | S-101PT11/09 | **S-101PT Chair** to report the requirement for a context parameter for language to be included in ECDIS and impacts on S-98 to the S-100WG. | **S-100WG8** | **Complete** |
| 06.1 | DCEG Sub-Group Update | S-101PT11/10 | **IHO Sec** to include the capability to encode variable units of measure for speed limits in S-101. | **S-101 Edition 1.2.0** | **Complete** |
| 06.1 | DCEG Sub-Group Update | S-101PT11/11 | **IHO Sec** to apply name changes to the buoy and beacon features in S-101 (Buoy Xxxxx to Xxxxx Buoy). | **S-101 Edition 1.2.0** | **Complete** |
| 06.1 | DCEG Sub-Group Update | S-101PT11/12 | **IHO Sec** to add a new attribute textRotation to the TextPlacement feature in S-101. | **S-101 Edition 1.2.0** | **Complete** |
| 06.1 | DCEG Sub-Group Update | S-101PT11/13 | **IHO Sec** to add a new attribute interoperabilityIdentifier (type TE) to the aids to navigation features in S-101. | **S-101 Edition 1.2.0** | **Complete** |
| 06.1 | DCEG Sub-Group Update | S-101PT11/14 | **IHO Sec** to include new Issues in the S-101 Documentation and FC GitHub for all changes that are being implemented for “proof of concept” and use a dedicated label to indicate them. | **S-101 Edition 1.2.0** | **Complete** |
| 06.2 | Portrayal Sub-Group Update |  | **S-101PT11 noted** the Portrayal Sub-Group report; and **approved** the recommendations included in the report. |  | Decision |
| 06.2 | Portrayal Sub-Group Update |  | **S-101PT11 approved** the introduction of colour filled paper chart symbols for buoys and beacons for S-101 Edition 1.2.0. |  | Decision |
| 06.2 | Portrayal Sub-Group Update |  | **S-101PT11 agreed** to retain the Mariners Objects, subject to further discussion with IEC, in S-101 Edition 1.2.0. |  | Decision |
| 06.2 | Portrayal Sub-Group Update | S-101PT11/15 | **Test Dataset Sub-Group** to develop ECDIS Chart 1 equivalent S-101 test datasets. | **S-101PT13** |  |
| 06.2 | Portrayal Sub-Group Update | S-101PT11/16 | **S-10PT Chair** to appraise IEC of the issues with the management of Mariners Objects and enquire as to whether they would be prepared to take on the management of them in the IHO GI Registry. | **S-101PT12** |  |
| 06.2 | Portrayal Sub-Group Update | S-101PT11/17 | **Portrayal Sub-Group** to document requirements for Independent Mariner Selectors in S-100 ECDIS, and how these are supposed to work. | **S-101PT12** |  |
| 06.3 | S-101 Validation Sub-Group Update |  | **S-101PT11 noted** the S-101 Validation Sub-Group report; and **approved** the recommendations included in the report. |  | Decision |
| 06.3 | S-101 Validation Sub-Group Update |  | **S-101PT11 agreed** that the Part 4 Checks are to remain in the GitHub as is for continuation of the work. |  | Decision |
| 06.3 | S-101 Validation Sub-Group Update | S-101PT11/18 | **S-100 Validation Sub-Group Lead** to initiate a task for the S-100 Validation Sub-Group to determine a standard structure for Validation Checks to be implemented across all S-100 based Product Specifications. | **S-100WG8** | **Complete** |
| 06.3 | S-101 Validation Sub-Group Update | S-101PT11/19 | **PRIMAR (MR)**, with assistance from **AU (AS)**, and **DK (LH)** to develop Check messages for the Parts 1 and 2 Checks. | **S-101PT12** |  |
| 06.4 | Test Dataset Sub-Group Update |  | **S-101PT11 noted** the Test Dataset Sub-Group report; **approved** the proposed way ahead as included in the report; and **noted** the potential risks outlined in the report. |  | Decision |
| 06.4 | Test Dataset Sub-Group Update | S-101PT11/20 | **IC-ENC, Primar**, with assistance from **SE (KÖ)** to progress development and updating of the Test Datasets to S-101 Edition 1.2.0 once the Feature Catalogue is available. | **S-101PT12** |  |
| 06.5 | Scales Sub-Group Update |  | **S-101PT11 noted** the Scales Sub-Group report. |  | Decision |
| 06.5 | Scales Sub-Group Update |  | **S-101PT11 approved** the inclusion of the mandatory attribute optimumDisplayScale for implementation and testing in S-101 Edition 1.2.0. |  | Decision |
| 06.5 | Scales Sub-Group Update |  | **S-101PT11 approved** the inclusion of more extensive fundamental guidance (figures/diagrams) on display and loading as a new Annex to S-101 pending development of a more consolidated solution. |  | Decision |
| 06.5 | Scales Sub-Group Update |  | **S-101PT11 approved** the rewording of various paragraphs in S-101 documentation as proposed. |  | Decision |
| 06.5 | Scales Sub-Group Update |  | **S-101PT11 did not approve** the inclusion of a data display (rendering) algorithm in S-101 Edition 1.2.0. |  | Decision |
| 06.5 | Scales Sub-Group Update | S-101PT11/21 | **IHO Sec** to include new attribute optimumDisplayScale on the meta feature DataCoverage and amend all associated specification/guidance in S-101 documentation. | **S-101 Edition 1.2.0** | **Complete** |
| 06.5 | Scales Sub-Group Update | S-101PT11/22 | **IHO Sec** to replace Main document Figure 4-6 with the proposed new Figures. | **S-101 Edition 1.2.0** | **Complete** |
| 06.5 | Scales Sub-Group Update | S-101PT11/23 | **Scales Sub-Group** to develop more extensive fundamental guidance (figures/diagrams) to be included as a new Annex to S-101. | **S-101 Edition 2.0.0** |  |
| 06.5 | Scales Sub-Group Update | S-101PT11/24 | **IHO Sec** to amend the wording of the paragraph at DCEG clause 2.5.9 related to application of scaleMinimum to features crossing multiple DataCoverage features. | **S-101 Edition 1.2.0** | **Complete** |
| 06.5 | Scales Sub-Group Update | S-101PT11/25 | **IHO Sec** to remove the sentence related to overlapping scale ranges from DCEG clause 2.5.1. | **S-101 Edition 1.2.0** | **Complete** |
| 06.5 | Scales Sub-Group Update | S-101PT11/26 | **IHO Sec** to apply changes to wording in S-101 Annex D as proposed in Paper S-101PT11-06.5. | **S-101 Edition 1.2.0** | **Complete** |
| 06.5 | Scales Sub-Group Update | S-101PT11/27 | **Scales Sub-Group** to develop a proposal for the inclusion of a data display (rendering) algorithm in S-101 Edition 2.0.0. | **S-101PT12** |  |
| **7. S-101 Main document changes** |
| 7 | S-101 1.2.0 Main Document Changes |  | **S-101PT11 noted** the draft changes made to the S-101 Main document for Edition 1.2.0. |  | Decision |
| 7 | S-101 1.2.0 Main Document Changes | S-101PT11/28 | **S-101PT Chair** to review the Data Quality section 6 of the S-101 Main document draft Edition 1.2.0 and refine the changes as required, in consultation with **PRIMAR** (refer Action S-101PT10-31). | **October 2023** | **Complete** |
| **8. S-101 Proposals** |
| 08.1 | Proposal - Power-Driven Vessels Prohibited |  | **S-101PT11 approved** the proposal to from SE to include a new value for the attribute restriction of “power-driven vessels prohibited”. |  | Decision |
| 08.1 | Proposal - Power-Driven Vessels Prohibited | S-101PT11/29 | **IHO Sec** to apply changes to the DCEG as proposed in Paper S-101PT11-08.1. | **S-101 Edition 1.2.0** | **Complete** |
| 08.2 | Allowable Differences Between S-52 and S-101 Display and Functionality in ECDIS |  | **S-101PT11 approved** the principles and way forward proposed for defining and describing the allowable differences between S-52 and S-101 display and functionality during the dual-fuel period. |  | Decision |
| 08.2 | Allowable Differences Between S-52 and S-101 Display and Functionality in ECDIS | S-101PT11/30 | **S-101PT Chair** to provide the revised text based on the principles included in Paper S-101PT11-08.2 for inclusion in the S-101 Main document to the IHO Sec. | **October 2023** |  |
| 08.2 | Allowable Differences Between S-52 and S-101 Display and Functionality in ECDIS | S-101PT11/31 | **Portrayal Sub-Group** to develop a list of new and changed symbology as a reference list. | **S-101PT12** |  |
| 08.3 | Addressing Gaps in S-101 Raised by the MASS PT |  | **S-101PT11 approved** the development of an S-101validation Check for format when populating the communicationChannel attribute. |  | Decision |
| 08.3 | Addressing Gaps in S-101 Raised by the MASS PT |  | **S-101PT11 agreed** that no change is to be applied for the radarBand attribute at this time. |  | Decision |
| 08.3 | Addressing Gaps in S-101 Raised by the MASS PT | S-101PT11/32 | **S-101PT Chair** to report the discussions at S-101PT11 to the MASS PT, noting in particular the suggestion that radarBand may also be handled by a Validation Check.  | **MASS PT 6** |  |
| 08.4 | Use and Modelling of the UpdateInformation Feature |  | **S-101PT11 approved**, from the three options tabled by the S-101PT Chair (do nothing, remove or change as proposed),the proposal from IHO Sec to amend the modelling of the meta feature UpdateInformation as included in the proposal. |  | Decision |
| 08.4 | Use and Modelling of the UpdateInformation Feature |  | **S-101PT11 agreed** that, due to lack of time for implementation and testing of the revised model and the impact on production systems and producers, the modelling will be “rolled back” to the Edition 1.1.0 model for initial 2.0.0 operational release, pending further results and evaluation of impacts from implementation and testing. |  | Decision |
| 08.4 | Use and Modelling of the UpdateInformation Feature | S-101PT11/33 | **IHO Sec** to amend the modelling for the meta feature UpdateInformation as proposed in Paper S-101PT11-08.4.  | **S-101 Edition 1.2.0** | **Complete** |
| 08.5 | Merging of features Restricted Area Navigational and Regulatory |  | **S-101PT11 approved** the proposal from FR to merge the features RestrictedAreaNavigational and RestrictedAreaRegulatory into a single feature RestrictedArea. |  | Decision |
| 08.5 | Merging of features Restricted Area Navigational and Regulatory |  | **S-101PT11 agreed** to retain the attribute restriction as mandatory for the new combined feature RestrictedArea (not conditionally mandatory with categoryOfRestrictedArea). |  | Decision |
| 08.5 | Merging of features Restricted Area Navigational and Regulatory | S-101PT11/34 | **IHO Sec** to replace the current S-101 features RestrictedAreaNavigational and RestrictedAreaRegulatory with a single feature RestrictedArea.  | **S-101 Edition 1.2.0** | **Complete** |
| 08.6 | Proposal – Cable Submarine |  | **S-101PT11 approved** to recommendation to include a new value “telecommunications cable” for the attribute categoryOfCable. |  | Decision |
| 08.6 | Proposal – Cable Submarine | S-101PT11/35 | **IHO Sec** to include a new value for telecommunications cable on the attribute categoryOfCable; and remove value 8 (fibre optic cable) as an allowable value.  | **S-101 Edition 1.2.0** | **Complete** |
| 08.7 | Overscale in ECDIS |  | **S-101PT11 approved** the recommendations in the Paper, also taking into consideration the impact of the discussion/decisions related to Paper S-101PT11-06.5. |  | Decision |
| 08.7 | Overscale in ECDIS | S-101PT11/36 | **S-101PT Chair** to report the decisions of the S-101PT regarding overscale indications in ECDIS to the S-100WG for consideration.  | **S-100WG8** | **Complete** |
| 08.8 | Proposal – Mooring Areas |  | **S-101PT11 approved** the addition of a new feature MooringArea in S-101 for Edition 1.2.0. |  | Decision |
| 08.8 | Proposal – Mooring Areas | S-101PT11/37 | **IHO Sec** to add the new feature MooringArea in the S-101 DCEG as proposed in Paper S-101PT11-08.8.  | **S-101 Edition 1.2.0** | **Complete** |
| 08.9 | Modelling and Quality of Bathymetric Data |  | **S-101PT11 agreed** to include Option 1 as included in Paper S-101PT11-08.9 in S-101 Edition 1.2.0 for implementation and testing. |  | Decision |
| 08.9 | Modelling and Quality of Bathymetric Data |  | **S-101PT11 agreed** to retain the temporal capability for the encoding of horizontal and vertical uncertainties in S-101. |  | Decision |
| 08.9 | Modelling and Quality of Bathymetric Data | S-101PT11/38 | **IHO Sec** to apply Option 1 of Paper S-101PT11-08.9 in the DCEG, noting the decision to retain the temporal capability for the encoding of horizontal and vertical uncertainties.  | **S-101 Edition 1.2.0** | **Complete** |
| 08.9 | Modelling and Quality of Bathymetric Data | S-101PT11/39 | **AU (AS)** to support the development of test data to test the revised modelling of the QualityOfBathymetricData feature.  | **S-101PT12** |  |
| 08.10 | Options for Modelling Metadata Features |  | **S-101PT11 noted** the Paper, and agreed on the recommendations as follows: (1) **accepted**; (2) **accepted**; (3) **rejected**; (4) **rejected**. |  | Decision |
| 08.10 | Options for Modelling Metadata Features |  | **S-101PT11 approved** the inclusion of a Table summarising the hierarchy of metadata in S-101 (for information of encoders) to be included in S-101 documentation. |  | Decision |
| 08.10 | Options for Modelling Metadata Features | S-101PT11/40 | **IHO Sec** to apply changes to S-101 in accordance with recommendation 1 in Paper S-101PT11-08.10.  | **S-101 Edition 1.2.0** | **Complete** |
| 08.10 | Options for Modelling Metadata Features | S-101PT11/41 | **IHO Sec** to apply the redline changes to specify full coverage of the relevant metadata features in S-101.  | **S-101 Edition 1.2.0** | **Complete** |
| 08.10 | Options for Modelling Metadata Features | S-101PT11/42 | **IHO Sec** to develop a Table (based on Table 3.3 of S-57 Appendix B.1) for inclusion in S-101 documentation.  | **S-101 Edition 1.2.0** | **Complete** |
| 08.11 | Mooring/Warping Facilities in S-101 |  | **S-101PT11 approved** the remodelling of the feature MooringWarpingFacility as included in Paper S-101PT-08.11. |  | Decision |
| 08.11 | Mooring/Warping Facilities in S-101 | S-101PT11/43 | **IHO Sec** to apply the modelling changes for the MooringWarpingFacility feature as proposed in Paper S-101PT11-08.11, noting the additional issues raised related to the proposal that were resolved.  | **S-101 Edition 1.2.0** | **Complete** |
| 08.12-14 | Structures Over Navigable Water; Submarine Danger Area; Support File Management |  | **S-101PT11 noted** submission of these Agenda Items however due to time constraints these Items were not covered. |  | Decision |
| 08.12-14 | Structures Over Navigable Water; Submarine Danger Area; Support File Management | S-101PT11/44 | **IHO Sec**, **UK** and **PRIMAR** to consider re-submission of these Papers to the next S-101PT meeting. **S-101PT Members** to review the submitted proposals for S-101PT11 for discussion at the next meeting.  | **S-101PT12** |  |
| **9. Testbed Experiences** |
| 9 | Testbed Experiences |  | **S-101PT11 noted** the demonstration of the latest version of the NIWC Shore ECDIS Testbed and Viewer, and commended them for their continued support of S-101 development. |  | Decision |
| 9 | Testbed Experiences |  | **S-101PT11 noted** the progress reported by PRIMAR and IC-ENC. |  | Decision |
| **10. Liaison Reports (IEHG, NIPWG, S-98/S-164, ISO 9001 Cell)** |
| 10.2 | NIPWG Liaison |  | **S-101PT11 noted** report on NIPWG activities impacting on the S-101PT. |  | Decision |
| 10.2 | NIPWG Liaison | S-101PT11/45 | **S-101PT Chair** to instigate a more active liaison with the NIPWG.  | **S-101PT12 and NIPWG11** |  |
| 10.2 | NIPWG Liaison | S-101PT11/46 | **S-101PT Members** encouraged to implement and test Edition 1.0.0 of S-128 which is to be published later this year.  |  |  |
| 10.3 | S-98/S-164 Liaison |  | **S-101PT11 noted** report on S-98/S-164 activities impacting on the S-101PT. |  | Decision |
| 10.2 | S-98/S-164 Liaison | S-101PT11/47 | **IIC (JP)** to prepare a Paper for S-101PT12 to facilitate a more focussed discussion on S-98 and its impact on S-101 implementation.  | **S-101PT12** |  |
| 10.4 | ISO Cell Update |  | **S-101PT11 noted** report on the activities of the ISO 9001 Cell. |  | Decision |
| 10.4 | ISO Cell Update | S-101PT11/48 | **IHO Sec** to notify the ISO 9001 Cell (AS) of the timeframe for the upgrade of the KHOA Testbed to S-100 Edition 5.1.0.  | **November 2023** |  |
| 10.4 | ISO Cell Update | S-101PT11/49 | **Member States** to provide any test data that may be made publicly available to the IHO Secretariat (YB or JW) for placement on the S-100 Resources web page.  |  |  |
| **11. Towards S-101 Edition 2.0.0** |
| 11 | Towards S-101 Edition 2.0.0 |  | **S-101PT11 noted** the presentation from the S-101PT Chair on the proposed way forward, including timeline, for publication of S-101 Edition 2.0.0. |  | Decision |
| 11 | Towards S-101 Edition 2.0.0 | S-101PT11/50 | **S-101PT Chair** to report the high risk to the timeline for publication of S-101 Edition 2.0.0 due to lack of time to test S-101 Edition 1.2.0 to the S-100WG.  | **S-100WG8** | **Complete** |
| 11 | Towards S-101 Edition 2.0.0 | S-101PT11/51 | **S-101PT Sub-Group Leads** to report any capacity or timeframe issues that may impact on publication of S-101 Edition 2.0.0 to the S-101PT Chair.  | **S-101PT12** |  |
| 11 | Towards S-101 Edition 2.0.0 | S-101PT11/52 | **S-101PT Chair** to enquire to S-101 ENC production software manufacturers on the time frame between publication of a version of the S-101 Feature Catalogue and the upgrade of their systems.  | **November 2023** |  |
| 11 | Towards S-101 Edition 2.0.0 | S-101PT11/53 | **IHO Sec** to post the draft version of the S-101 Edition 1.2.0 DCEG on the S-101 Documentation and FC GitHub repository as soon as the data model changes approved at S-101PT11 have been applied.  | **October 2023** | **Complete** |
| **12. Date and Location of Next Meeting** |
| 12 | Date and Location of Next Meeting |  | **S-101PT11 agreed** that the S-101PT12 meeting is to be held as a remote (VTC) meeting from 13-15 February 2024. |  | Decision |
| 12 | Date and Location of Next Meeting |  | **S-101PT11 agreed** that the S-101PT13 meeting is to be hosted by Sweden, possibly as a hybrid meeting, during June 2024. Dates currently set from 17-20 June however this to be confirmed). |  | Decision |
| **13. AOB** |
| 13.1 | Paper Charts from ENCs Canadian Experience |  | **S-101PT11 noted** the report from CA on their experiences with producing paper charts from ENC data. |  | Decision |
| 13.2 | S-100 Validation |  | **S-101PT11 noted** the status report of the S-100WG, S-100 Validation Sub-Group (delivers in an out-of-session meeting). |  | Decision |
| 13.2 | S-100 Validation |  | **S-101PT11 recommended** that the S-100 Cross-Product Validation Checks (including Checks that have been removed from S-101 Validation Checks for inclusion in S-100) should be included as an Annex to S-98. |  | Decision |
| 13.2 | S-100 Validation | S-101PT11/54 | **S-100 Validation Sub-Group Lead** to report the S-100 Validation discussions to the S-100WG. | **S-100WG8** | **Complete** |
| 13.2 | S-100 Validation | S-101PT11/55 | **PRIMAR (MR)**, **Nautical Dimensions (FH)** and **IC-ENC (SM)** to contribute to the review of the Checks relating to the S-100 Parts that have been developed so far. | **S-101PT13** |  |