

LIST OF DECISIONS & ACTIONS ARISING FROM S-101PT9

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| AGENDA ITEM | SUBJECT | ACTION No. | ACTIONS (in bold, action by) | TARGET DATE/EVENT | STATUS (at 21 March 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 | |
| 2. Approval of Agenda | | | | | |
| 02 | Agenda and Timetable | | S-101PT9 approved the agenda and associated timetable, noting submission of some late papers. | | Decision |
| 3-5. Matters arising from Minutes of 14th HSSC Meeting, Approval of S-101PT9 Minutes and S-101PT Actions | | | | | |
| 03 | HSSC14 Actions | | S-101PT9 noted the decisions impacting on S0191PT from HSSC14. | | Decision |
| 03 | HSSC14 Actions | | S-101PT9 noted HSSC14 Action 14/11 and confirmed that S-101 Edition 1.1.0 would be as much as possible aligned to S-100 Edition 5.0.00. | | Decision |
| 03 | HSSC14 Actions | S-101PT9/01 | Chair to determine further possible associated costs involved in achieving the targets for S-101 development and report to the HSSC. | HSSC15 | |
| 03 | HSSC14 Actions | S-101PT9/02 | S-101PT Members to consider nominating for S-101PT Executive positions as a requirement following A-3. | S-101PT10 | |
| 04 | S-101PT8 Report | | The S-101PT9 Report was accepted without comment. | | Decision |
| 6. Sub-Group reports | | | | | |
| 06.1 | DCEG Sub-Group Update | | S-101PT9 noted the report from the S-101 DCEG Sub-Group Lead. | | Decision |
| 06.1 | DCEG Sub-Group Update | S-101PT9/03 | IHO Sec to finalise S-101PT9 approved changes as included in Paper S-101PT9-06.1 to the draft Edition 1.1.0 DCEG. | S-100WG7 | Complete |
| 06.1 | DCEG Sub-Group Update | S-101PT9/04 | IHO Sec to “roll back” the changes related to the removal of the depth-related attributes from the feature FoulGround. | S-100WG7 | Complete |
| 06.1 | DCEG Sub-Group Update | S-101PT9/05 | DCEG Sub-Group to discuss and develop, as required, additional encoding guidance for the application of the portrayal related (system) attributes in S-101 ENC. | S-101PT10 | |

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| 06.1 | DCEG Sub-Group Update | S-101PT9/06 | DCEG Sub-Group to discuss and develop options and associated guidance for the implementation of the UpdateInformation Meta feature for consideration of the S-101PT. | S-101PT10 | |
| 06.1 | DCEG Sub-Group Update | S-101PT9/07 | IHO Sec to add the enumeration type attribute categoryOfCargo and appropriate encoding guidance for dangerous/hazardous cargo berth to the DCEG for the Berth feature. | S-100CWG7 | Complete |
| 06.1 | DCEG Sub-Group Update | | S-101PT approved the draft Edition 1.1.0 of the S-101 DCEG for submission to the S-100WG for adoption, pending completion of S-101PT9 Actions 3, 4 and 7. | | <u>Decision</u> |
| 06.1 | DCEG Sub-Group Update | S-101PT9/08 | IHO Sec to prepare the final draft Edition 1.1.0 of the S-101 DCEG for submission to the S-100WG. S-101PT Members to review changes resulting from S-101PT9 and pass any feedback to their S-100WG representatives. | S-100CWG7 | Complete |
| 06.2 | Portrayal Sub-Group Update | | S-101PT9 noted the report from the S-101 Portrayal Sub-Group Lead, and agreed that the S-101 Edition 1.0.2 Portrayal Catalogue as prepared by NIWC should be posted in the IHO GI Registry. | | <u>Decision</u> |
| 06.2 | Portrayal Sub-Group Update | S-101PT9/09 | NIWC to provide IHO Sec with the S-101 Edition 1.0.2 Portrayal Catalogue for posting in the IHO GI Registry. | December 2022 | Complete |
| 06.3 | Validation Checks Sub-Group Update | | S-101PT9 noted the Validation Checks Sub-Group report from the S-101PT Chair. | | <u>Decision</u> |
| 06.4 | Test Dataset Sub-Group Update | | S-101PT9 noted the Test Dataset Sub-Group report from the S-101PT Chair. | | <u>Decision</u> |
| 06.4 | Test Dataset Sub-Group Update | S-101PT9/10 | S-101PT Members to Provide any feedback on the completed S-101 Test Datasets as contained in the provided S-100 Edition 5.0.0 Exchange Set (https://github.com/iho-ohi/S-101-Test-Datasets/tree/main/dev/exports) and associated Specifications to S-101PT Chair and Kevin Dickens. | Before S-101PT10 | |

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| 06.4 | Test Dataset Sub-Group Update | S-101PT9/11 | S-101PT Members to consider contributing to the updating and enhancement of the S-101 TDS to S-101 Edition 1.1.0. | Before S-101PT10 | UK and DK expressed interest (TBC) |
| 06.5 | ENC Scales and Dataset Load/Unload Sub-Group Update | | S-101PT9 noted the ENC Scales and Dataset Load/Unload Sub-Group report from the Sub-Group Lead, with all recommendations in the presentation approved. | | Decision |
| 06.5 | ENC Scales and Dataset Load/Unload Sub-Group Update | S-101PT9/12 | IHO Sec to apply changes related to ENC scales and dataset load/unload as approved at S-101PT9 to the final draft S-101 Edition 1.1.0 main document. | S-100CWG7 | Complete |
| 06.5 | ENC Scales and Dataset Load/Unload Sub-Group Update | S-101PT9/13 | Chair to report the decision to prohibit overlapping scale ranges for ENC coverages to the WENDWG (WEND100 and ENC scheming workspace) and possibly NCWG (S-11 Part A) for information. | WENDWG14 / NCWG9 | |
| 7. S-101 Main document comment adjudication | | | | | |
| 07 | S-101 Main document comment adjudication | | S-101PT approved the draft Edition 1.1.0 of the S-101 Main document for submission to the S-100WG for adoption, pending application of all approved changes, including input as required from relevant subject matter experts and finalization of the draft. | | Decision |
| 07 | S-101 Main document comment adjudication | S-101PT9/14 | IHO Sec to prepare the final draft Edition 1.1.0 of the S-101 Main document for submission to the S-100WG. S-101PT Members to review changes resulting from S-101PT9 and pass any feedback to their S-100WG representatives. | S-100CWG7 | Complete |
| 07 | S-101 Main document comment adjudication | S-101PT9/15 | S-101PT to review outstanding comments from the S-101 Edition 1.1.0 Main document review (see Annex to S-101PT9 Record) for possible changes to be included in S-101 Edition 1.2.0. | S-101PT10 | |
| 8. S-101 Proposals | | | | | |

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| 08.1 | Loxodromic Interpretation in S-101 ENC's | | S-101PT9 rejected the proposal to remove the constraint within the S-101 Product Specification restricting interpolation of line segments to loxodromes only for Edition 1.1.0, pending further investigation/discussion for possible inclusion in a later Edition of S-101. | | <u>Decision</u> |
| 08.1 | Loxodromic Interpretation in S-101 ENC's | S-101PT9/16 | S-101PT to conduct further investigations into the removal of the constraint within the S-101 Product Specification restricting interpolation of line segments to loxodromes only, using the arguments presented in Paper S-101PT9-08.1. | For Edition 1.2.0 | |
| 08.2 | S-101 and Vertical Clearance | | S-101PT9 approved the proposal to add new rules for ECDIS to alert and provide indications within S-101 ENC's for vertical clearances based on an air draft context parameter – for implementation post-Edition 2.0.0. | | <u>Decision</u> |
| 08.2 | S-101 and Vertical Clearance | S-101PT9/17 | S-101PT to develop new rules for ECDIS to alert and provide indications within S-101 ENC's for vertical clearances based on an air draft context parameter. | Post-Edition 2.0.0 | |
| 08.3 | Pilotage Feature Symbology in S-101 | | S-101PT9 agreed that the issues of Pilotage District boundary symbology and providing a clearer distinction between pilot boarding place area centred symbol and pilot boarding place point symbol need to be addressed. | | <u>Decision</u> |
| 08.3 | Pilotage Feature Symbology in S-101 | S-101PT9/18 | Portrayal Sub-Group to continue discussions to resolve the issues regarding Pilotage District area boundary symbology and the distinction between a pilot boarding place encoded as an area and a pilot boarding place encoded as a point, taking into account the discussions at S-101PT9. | For Edition 1.2.0 | Complete |
| 08.4 | QoBD Visualisation | | S-101PT9 noted the progress on investigations into alternatives for portrayal of bathymetric data quality information in ECDIS presented by CCOM-JHC/UNH. | | <u>Decision</u> |

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| 08.4 | QoBD Visualisation | S-101PT9/19 | Portrayal Sub-Group to develop the two preferred options for portrayal of QoBD information as included on Paper S-101PT9-08.4 for inclusion in the Portrayal Catalogue for evaluation and testing (in addition to current “star rating” symbology). | Report progress to S-101PT10 | In Progress |
| 08.5 | Improvements to Encoding Maritime Jurisdiction Features in S-101 | | S-101PT9 approved the consideration of allowing curve geometry for some maritime jurisdiction features; but requested further justification for the inclusion of the proposed new features for consideration of the PT. | | <u>Decision</u> |
| 08.5 | Improvements to Encoding Maritime Jurisdiction Features in S-101 | S-101PT9/20 | DCEG Sub-Group to review all instances of the “work-around” encoding of a “very narrow surface” to represent a linear feature in the DCEG and consider adding curve as a valid geometry for these features. | For Edition 1.2.0 | |
| 08.5 | Improvements to Encoding Maritime Jurisdiction Features in S-101 | S-101PT9/21 | UK invited to provide a further submission with additional justification and DCEG redline edits. | S-101PT11 | |
| 08.6 | Use of SMIN/SMAX in S-101 | | S-101PT9 approved the changes to the S-101 Main document as included in the Paper, however these changes are subject to corresponding changes being made to S-100. | | <u>Decision</u> |
| 08.6 | Use of SMIN/SMAX in S-101 | S-101PT9/22 | IHO Sec and SevenCs to apply changes based on the recommendations in Paper S-101PT9-08.6 to the S-101Main document once corresponding changes have been approved for S-100. | For Edition 1.2.0 | |
| 08.7 | Order of Records in S-101 | | S-101PT9 approved the changes to the S-101 Main document as included in the Paper, subject to final review by SevenCs (HB). | | <u>Decision</u> |

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| 08.7 | Order of Records in S-101 | S-101PT9/23 | IHO Sec to apply changes based on the recommendations in Paper S-101PT9-08.7 to the S-101Main document. SevenCs (HB) to review and provide any additional feedback/comment. | S-100CWG7 | Complete |
| 08.8 | Aliases in the S-101 FC | | S-101PT9 noted the concern raised by FR over the inclusion of Aliases in the S-101 Feature Catalogue. | | Decision |
| 08.8 | Aliases in the S-101 FC | S-101PT9/24 | DCEG Sub-Group to discuss the inclusion of Aliases in the S-101 Feature Catalogue as requested by Paper S-101PT9-08.8 and report to S-101PT. | S-101PT10 | |
| 08.9 | Adopting the Term "Mechanical Sweep" | | S-101PT9 approved in principal the proposal from SE to introduce the new term "mechanical sweep" as a new technique of vertical measurement; and instructed the DCEG Sub-Group to discuss and draft amendments to the DCEG as required. | | Decision |
| 08.9 | Adopting the Term "Mechanical Sweep" | S-101PT9/25 | DCEG Sub-Group to discuss and develop, as appropriate, revised modelling and guidance for the encoding of "mechanical sweep" as a new technique of vertical measurement, based on the recommendations in Paper S-101PT9-08.9. | For Edition 1.2.0 | |
| 08.10 | New Point Symbol for Reed | | S-101PT9 approved the proposal from FI to introduce a new symbol in S-101 for reed beds of geometric primitive point; and instructed the Portrayal Sub-Group to develop a new symbol. | | Decision |
| 08.10 | New Point Symbol for Reed | S-101PT9/26 | Portrayal Sub-Group to develop a new symbol for reed beds of type point, based on the existing symbol MARSHE1P; and submit a proposal to the IHO GI Registry. | For Edition 1.1.0 | Complete |
| 9. Reports/Proposals from Other Groups/Organizations | | | | | |
| 09.1 | QoBD Visualisation | | S-101PT9 noted the progress on continuing investigations into new portrayal options that may be used by S-1xx Product Specifications in S-100 ECDIS presented by CCOM-JHC/UNH. | | Decision |

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| 09.2 | HSSC ISO 9001 Cell Update | | S-101PT9 noted the report from the HSSC ISO 9001 Cell, noting in particular the risk for the operation of the GI Registry; and resilience of the support of KHOA to the S-100 infra-system. | | Decision |
| 09.2 | HSSC ISO 9001 Cell Update | S-101PT9/27 | S-101PT Members to pass any concerns on the contents of the Risks document (S-101PT9-09.2) to the S-101PT Chair and Vice-Chair. | S-101PT10 | |
| 09.2 | HSSC ISO 9001 Cell Update | S-101PT9/27 | S-101PT Vice-Chair and IHO Sec to provide an abbreviated version of the HSSC ISO 9001 Cell Update report to S-101PT9 to the S-100WG7 meeting. | S-100WG7 | Complete |
| 09.3 | MASS and S-101 | | S-101PT9 noted the MASS PT report from the MASS PT Chair. | | Decision |
| 09.4 | S-101 Documentation Changes | | S-101PT9 supported the proposal from the S-101PT Chair for future S-101 documentation management through, for example, the GitHub. | | Decision |
| 09.4 | S-101 Documentation Changes | S-101PT9/28 | Chair and IHO Sec to investigate solutions within the GitHub document interface and raise the issue to the S-100WG and HSSC respectively. | HSSC15 | |
| 09.4 | S-101 Documentation Changes | S-101PT9/28 | IHO Sec to investigate the possibility of participating in a training session based on the development of the S-102 Product Specification document management via the GitHub. | March 2023 | Complete (Training scheduled for April 2023) |
| 10. S-101 Administration | | | | | |
| 10 | Towards S-101 2.0.0 | | S-101PT9 approved the proposed timeline, and agreed that because of the constriction in the timeline it would be required to hold two S-101PT meetings during 2023. | | Decision |
| 10 | Towards S-101 2.0.0 | S-101PT9/31 | Chair to submit the proposed S-101 development timeline to the S-100WG for approval. | S-100WG7 | Complete |
| 10.1 | S-101 Resources | | S-101PT9 approved the establishment of an S-101 Resources page on the IHO web site. | | Decision |
| 10.1 | S-101 Resources | S-101PT9/32 | Chair and IHO Sec to create and develop an S-101Resources page and associated sub-pages on the IHO web site. | S-101PT10 | |
| 11. Date and Location of Next Meeting | | | | | |

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| 11 | Date and Location of Next Meeting | | S-101PT9 agreed that the next meeting of the S-101PT (S-101PT10) is to be held in Brest, France, in June 2023. [Post-meeting: Meeting confirmed for 13-15 June 2012.] | | Decision |
| 11 | Date and Location of Next Meeting | | S-101PT9 agreed that the S-101PT11 meeting will be held in Lombok, Indonesia during the week commencing 25 September 2023 in conjunction with ENCWG8. | | Decision |
| 12. AOB | | | | | |
| INF1 | S-101 Metadata Features | | S-101PT9 noted the presentation from NIWC on S-101 Meta feature modelling in S-101 and recommended that NIWC submit a formal proposal to the S-100WG on this issue. | | Decision |