

LIST OF **DECISIONS** & ACTIONS ARISING FROM HSSC17

Version 1.1 – 03 June 2025

| AGENDA ITEM | SUBJECT | ACTION No. | ACTIONS (in bold, action by) | TARGET DATE/EVENT | STATUS |
|---|-----------------------|------------|--|-------------------|----------|
| 1. Opening and Administrative Arrangements | | | | | |
| | Welcome addresses | HSSC17/01 | HSSC welcomed the opening addresses by Gudmund Jønsson, Director of Norwegian Hydrographic Office (Host), the HSSC Chair and the HSSC Secretary who all stressed on the coordinating role of the HSSC in ensuring a timely and harmonized implementation of the S-100 Roadmap. | | Decision |
| | Objectives | HSSC17/02 | HSSC Chair presented, through the provisional agenda, the key topics that will be addressed during the meeting, stressing on the S-100 Critical Framework Standards (S-98 and S-164) and S-100 revision cycles, the IHO Infrastructure Centre implementation and the next IHO Strategic Plan for 2027-2032. | | Decision |
| | Attendance | HSSC17/03 | HSSC Members to consider limiting the number of their delegates attending HSSC meetings (<i>up to 2 delegates + WG office bearers + translators</i>) and to act according to the deadlines set out by the IHO CL (<i>meeting announcement</i>). | Permanent | |
| 01C | HSSC Membership | HSSC17/04 | HSSC Members & Observers to apply for HSSC Membership through the IHO Portal and report any changes to the HSSC Secretariat . | Permanent | |
| 2. Approval of Agenda | | | | | |
| | Agenda and Timetable | HSSC17/05 | HSSC approved the proposed agenda and associated timetable Rev4.6 . | | Decision |
| 3. Matters arising from the 16th HSSC Meeting | | | | | |
| | Decisions and Actions | HSSC17/06 | HSSC noted the pending actions from HSSC-16. | | Decision |
| 4. HSSC Administration | | | | | |
| 4.1. General overview of the outcome of C-8 affecting HSSC | | | | | |

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| 4.1 | Outcome of C-8 | HSSC17/07 | HSSC noted the main outcome of C-8 in relation to HSSC activities (S-100 Phase 1 approval process timeline, S-100 Infrastructure Centre, revision of the IHO Strategic Plan, update of the S-100 Implementation Roadmap Strategy). | | Decision |
| 4.2. IHO Strategic Plan 2027-2032 | | | | | |
| 4.2 | SPIs | HSSC17/08 (former HSSC16/10) | HSSC Vice Chair presented a quick overview of the SPIs as provided in the IHO Annual Report 2024. HSSC Working Groups / Project Teams Chairs leading some SPIs, to report to the HSSC Chair/Secretariat on their SPIs values for 2025, including refined objective targets for 2026 if appropriate. | 15 January 2026 | |
| 4.2 | IHO Strategic Plan 2027-2032 | HSSC17/09 | HSSC commended SPRWG for its fruitful SP revision effort and endorsed the goals structure, goals narratives and subsequent tasks proposed by the SPRWG for the 2027-2032 IHO Strategic Plan. | | Decision |
| 4.2 | IHO Strategic Plan 2027-2032 | HSSC17/010 | HSSC to provide SPRWG with the results of the SPI assessment (Microsoft Forms questionnaire available on https://forms.office.com/e/d1MLfzdiLC) | June 20, 2025 | |
| 4.4. IHO Infrastructure Centre | | | | | |
| 4.4 | ICE PT | HSSC17/011 | HSSC commended the ICE PT for their excellent report and endorsed the proposals and recommendations. | | Decision |

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| 4.4 | IHO Infrastructure Centre – Basic documents | HSSC17/012 | <p>HSSC thanked and commended the IHO Secretariat for their analysis on the potential mechanics (i.e. IHO M-publications update and addendum) required to implement the IHO infrastructure centre.</p> <p>HSSC endorsed the proposed amendments on IHO M-Publications & Resolutions to cover the scope of the IHO Infrastructure Centre.</p> <p>Regarding Secure S-100 Data Distribution, <i>see below decision HSSC17/015</i></p> | | Decision |
| 4.4 | IHO Infrastructure Centre | HSSC17/013 | HSSC Chair to submit all the agreed recommendations on the IHO Infrastructure Centre to the IHO Council for decision. | C-9 (11 weeks before) | |
| 4.4 | IHO Infrastructure Centre – Basic documents | HSSC17/014 | <p>HSSC tasked the IHO Sec. to report progresses on the IHO Infrastructure Centre to the IHO Council and submit the following for decision:</p> <ul style="list-style-type: none"> - amendments on IHO Publication M-7 & IHO Resolutions M-3, - Draft Host Agreement between IHO and the ROK, - HSSC’s recommendation for IHO Infra Centre location. | C-9 (11 weeks before) | |
| 4.4 | IHO Infrastructure Centre - MCP | HSSC17/015 | <p>HSSC endorsed in principle the proposed framework and recommendations from ICE PT for the future IHO operated <i>Maritime Connectivity Platform (MCP)</i>, <u>but, considering the strategic decision</u>, the Chair is tasked to submit the proposal to IHO Council for approval with a clear <i>Business Case</i> and also consider the outcome of the upcoming IMO NCSR12 meeting.</p> | | Decision |
| 4.4 | IHO Infrastructure Centre – Security Scheme | HSSC17/016 | HSSC recommended PRIMAR and the IHO Secretariat to agree upon a contract regulating PRIMAR’s support of tools related to the operation of the security scheme. | | Decision |

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| 4.4 | IHO Infrastructure Centre | HSSC17/017 | HSSC tasked NIPWG to act as a temporary custodian for <i>S-100 XML Language Bindings source code</i> , until the IHO Infrastructure Centre can take on full responsibility. | | Decision |
| 4.4 | IHO Infrastructure Centre – ICE Work Plan | HSSC17/018 | HSSC approved the new ICE PT Work Plan. | | Decision |
| 4.4 | IHO Infrastructure Centre – MCP Business Case | HSSC17/019 | HSSC invited MS to provide, if any, ICE PT with detailed feedback/recommendations to consolidate the current <i>MCP Business Case</i> . | June 2025 | |
| 4.4 | IHO Infrastructure Centre – Office selection | HSSC17/020 | HSSC recognized the significant efforts and professionalism from the Republic of Korea for the purpose of selection of the IHO infrastructure Centre Office. HSSC noted the selection of the Busan International Finance Centre to settle the IHO Infrastructure Centre. | | Decision |
| 4.5. S-100 Security Scheme Project Team (S-100 SS PT) | | | | | |
| 4.5 | S-100 SS PT | HSSC17/021 | HSSC commended the S-100 SS Project Team for their progress report. | | Decision |
| 4.5 | S-100 SS PT | HSSC17/022 | HSSC noted the proposed Subscription Model to support the operation of the IHO Data Protection Scheme presented by FG PT . | | Decision |
| 4.5 | S-100 SS PT | HSSC17/023 | HSSC endorsed the IHO Data Protection Scheme Subscription Model. HSSC Chair to report the progresses made to the IHO Council . | C-9 (11 weeks before) | |
| 4.5 | S-100 SS PT | HSSC17/024 | HSSC noted the paper from Germany for <i>the need for S-100 Digital Certificates implementation</i> and tasked ICE PT in liaison with the IHO Sec. to investigate it further. | | Decision |
| 4.5 | S-100 SS PT | HSSC17/025 | HSSC tasked ICE PT in liaison with the IHO Sec. to investigate the relevancy of a <i>global certification authority recognition</i> and setup of <i>Public Key Infrastructure (PKI)</i> to protect the integrity of the produced S-100 geodata and to report back to HSSC. | HSSC18 (7 weeks before) | |

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| 5. Reports by HSSC Working Groups and Project Teams | | | | | |
| 5.1. S-100 (S-100WG) | | | | | |
| 5.1A | S-100WG | HSSC17/026 | <p>HSSC commended the S-100 Working Group for their progress report and endorsed the proposals and recommendations.</p> <p>HSSC noted S-100 WG intent to issue clarifications to S-100 Edition 5.2.0 iaw IHO Resolution 2/2007.</p> <p>HSSC confirmed that S-100 Edition 5.2.X is to be considered as the ECDIS Implementation Edition.</p> <p>HSSC agreed that S-100 WG will continue with an Edition 6.0.0 for non-navigational purposes. When a more mature revision cycle of S-100 is established, Edition 6.0.0 may ALSO be used for navigation application, but well beyond 2029.</p> | | <u>Decision</u> |
| 5.1 | S-100 Roadmap | HSSC17/027 | <p>HSSC noted concerns regarding the readiness of all elements for producing S-100 based products in line with the S-100 roadmap and their confidence regarding the S-100 roadmap timetable.</p> <p>HSSC Vice Chair to update the S-100 roadmap taking into consideration the received <i>refined objectives targets</i> to ensure that the S-100 roadmap reflects the current situations and reports from the relevant WGs/PTs, S-100 timeline to be updated twice per year.</p> | July 2025 | |
| 5.1A | C-165 | HSSC17/028 | HSSC agreed to allocate C-165 for Production Guidance. | | <u>Decision</u> |
| 5.1A | S-98 | HSSC17/029 | HSSC endorsed Proposed Ed. 2.0.0 of S-98 – <i>Data Product Interoperability in S-100 Navigations Systems</i> (without the SECOM related footnote ¹) | | <u>Decision</u> |
| 5.1A | S-98 | HSSC17/030 | IHO Sec. to initiate the Call for Approval for the proposed Ed. 2.0.0 of S-98 iaw IHO Resolution 2/2007. | July 2025 | |

¹ See S-98 Edition 2.0.0 section 20.4.3.a per HSSC17 discussion.

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| 5.1A | S-98 | HSSC17/031 | HSSC noted the proposed ways forward with next S-98 Editions and approved the proposed Option 2b, i.e. Edition 3.0.0 will be ready for HSSC endorsement at HSSC18 (2026). | HSSC18 | <u>Decision</u> |
| 5.1A | S-164 | HSSC17/032 | HSSC noted the progress on S-164 and agreed to initiate the Call for Endorsement by Circular Letter for the S-164 iaw IHO Resolution 2/2007, when a draft Edition 2.0.0 is ready. | December 2025 | |
| 5.1A | S-164 | HSSC17/033 | Upon endorsement of S-164 Ed. 2.0.0 by HSSC , the IHO Sec. to initiate the Call for Approval for the proposed Ed. 2.0.0 of S-164 iaw IHO Resolution 2/2007. | February 2026 | |
| 5.1A | S-164 | HSSC17/034 | HSSC agreed on the proposal to restructure S-164 post Edition 2.0.0 editions, i.e. breaking down S-164 for each S-100 products (from S-164 to S-164:xxx) | | <u>Decision</u> |
| 5.1A | S-158 | HSSC17/035 | HSSC approved proposed S-158:100 Edition 1.0.0 - <i>Universal Hydrographic Data Model Validation Checks</i> | | <u>Decision</u> |
| 5.1A | S-158 | HSSC17/036 | HSSC approved Proposed Ed. 1.0.0 of S-158:98 - <i>Data Product Interoperability Validation Checks</i> | | <u>Decision</u> |
| 5.1A | S-158 | HSSC17/037 | HSSC approved Edition 1.0.0 of S-158:102 - <i>Bathymetric Surface Validation Checks</i> | | <u>Decision</u> |
| 5.1A | S-97 | HSSC17/038 | HSSC noted and endorsed the way forward to update S-97 to its Edition 2.0.0, having noted the comments made from Germany (05.1F item refers) and DQWG (5.8 item refers) | | <u>Decision</u> |
| 5.1A | S-97 | HSSC17/039 | S-100 WG to submit the S-97 Edition 2.0.0 for HSSC endorsement. | HSSC18 (7 weeks before) | |

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| 5.1A | S-121 PT | HSSC17/040 | <p>HSSC noted the current status, progresses made by S-121PT and approved the proposed Work Plan for 2025-2026.</p> <p>HSSC also encourage all HSSC Members to join and participate in S-121 PT.</p> | | Decision |
| 5.1A | S-129 PT | HSSC17/041 | HSSC noted and commended the progresses made by the S-129 PT | | Decision |
| 5.1A | S-100WG | HSSC17/042 | HSSC noted and agreed the proposed creation of <u>an additional Phase 3 in the S-100 Roadmap</u> dedicated to new Product Specifications. | | Decision |
| 5.1A | S-100WG | HSSC17/043 | HSSC tasked the IHO Sec. to amend the current <i>S-100 Standards in force</i> webpage of the IHO website based on the S-100 WG recommendations. | July 2025 | |
| 5.1A | S-100 WG | HSSC17/044 | HSSC Chair to report to IRCC on the identified need to restructure the HSSC Working Groups. | IRCC17 | |
| 5.1A | S-100 WG | HSSC17/045 | HSSC Chair to report to IHO Council on the identified need to restructure the HSSC WGs/PTs . | C-9 (11 weeks before) | |
| 5.1Ba | IHO Resolution 2/2007 | HSSC17/046 | <p>HSSC noted and approved the proposed way forward to review and amend TR 2/2007 to account for the following, e.g.:</p> <ul style="list-style-type: none"> - Numbering system for submitting draft standards for approval - Implementation guidance - Documenting FC/PC versioning in TR 2/2007, noting the potential need for Fastrack release of navigational safety issues. <p>and submit it to the IHO Council for approval.</p> <p>HSSC recommended that such TR 2/2007 amendments should be considered within further S-97 review cycles.</p> <p>Redline version to be submitted by HSSC Chair to the IHO Council as part of the C-9 HSSC Report.</p> | C9 (11 weeks before) | Decision |

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| 5.1Bb | Metanorma Project for S-100 Publication | HSSC17/047 | HSSC noted the presentation by the IHO Sec. and welcomed the perspective offered by the <i>Metanorma Project</i> for the publication and maintenance of IHO S-100 standards & publications. | | Decision |
| 5.1C | S-101 PT | HSSC17/048 | HSSC noted the progresses made by the S-101 PT and approved its proposed Work Plan. HSSC supported the proposed S-101 PT recommendations as follows: <ul style="list-style-type: none"> - DQWG to consider use of constraints when reviewing FC to improve cross product consistency - Encourage trials and testing with a focus on validating the new Update Information functionality included in S-98 Edition 2.0.0 | | Decision |
| 5.1D | ISO 9001 Cell | HSSC17/049 | HSSC commended the ISO 9001 Cell for their progress report and endorsed the proposals and recommendations. | | Decision |
| 5.1D | ISO 9001 Cell | HSSC17/050 | HSSC noted and endorsed the proposed guidelines for the IHO S-100 Sea Trials Areas and the forthcoming submission to IHO Council for approval. | | Decision |
| 5.1D | ISO 9001 Cell | HSSC17/051 | HSSC invited all HSSC Members involved in S-100 Sea Trial Area initiatives to use the guidelines and provide comments and additional inputs to the relevant WG/PTs . | Permanent | |
| 5.1D | ISO 9001 Cell | HSSC17/052 | HSSC invited all HSSC Members willing to initiate a S-100 Sea Trial Area to submit their proposal directly to the ISO 9001 Cell . | Permanent | |
| 5.1D | ISO 9001 Cell | HSSC17/053 | ISO 9001 Cell to provide the S-100 Sea Trail Area request form and report template to the IHO Sec. for publication on the IHO websites. | June 2025 | |
| 5.1D | ISO 9001 Cell | HSSC17/054 | HSSC tasked the ISO 9001 Cell to monitor the S-158:1xx progresses and report to HSSC | HSSC18 | |

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| 5.1E | S-100 Specific Tools development | HSSC17/055 | HSSC noted the development by Denmark of an extension for ESRI ArcGIS Pro that enables working with S-100 as a generic framework. HSSC commended Denmark on making this software extension available to the IHO community and invited all interested HSSC Members to liaise directly with Denmark . | | Decision |
| 5.1F | New Product Specification | HSSC17/056 | HSSC noted the proposal made by Germany , pointing out that this consideration will be included in the next S-97 Edition review cycle. | | Decision |
| 5.1G | Overlapping Issues | HSSC17/057 | HSSC noted the proposal made by WENDWG Chair and tasked S-100 WG to consider the inclusion of a technical solution for managing overlaps in further S-98 revision cycles, at least making sure that such solution prevents ECDIS system from crashing due to occurrence of overlaps. | | Decision |
| 5.1Ha, 5.1Hb 5.2Ab, | S-100 Sea Trial Areas | HSSC17/058 | HSSC noted the update by CA on their IHO S-100 Sea Trial Area initiative. HSSC welcomed the proposal from AU and FR/UK on their respective IHO S-100 Sea Trial Area initiative and endorsed them as official IHO S-100 Sea Trial Areas. | | Decision |
| 5.1H | S-100 Sea Trial Areas | HSSC17/059 | HSSC tasked CA, FR/UK & AU to use the S-100 Sea Trial guidelines and provide feedback to HSSC. | HSSC-18 | |
| 5.1J | SENC Distribution | HSSC17/060 | HSSC noted the paper by UK and decided to close HSSC16/28 as proposed by S-100WG, meaning that SENC delivery will not be supported for S-100. | | Decision |
| 5.2 ENC Standards Maintenance (ENCWG) | | | | | |
| 5.2A | ENCWG | HSSC17/061 | HSSC commended the ENCWG for their progress report and endorsed the proposals and recommendations. | | Decision |

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| 5.2Aa, | S-52, S-64, S-65 | HSSC17/062 | <p>HSSC endorsed the publication of the following:</p> <ul style="list-style-type: none"> - S-52:100 Edition 5.0.0 - S-64:100 Edition 4.0.0 - S-65 Annex B, S-57 to S-101 Conversion Guideline, Edition 2.0.0 <p>and approved</p> <ul style="list-style-type: none"> - S-65 Annex C, S-101 to S-57 Conversion Guideline Edition 1.0.0 | | Decision |
| 5.2Aa, | S-52 | HSSC17/063 | HSSC tasked ENCWG to liaise with IHO Sec. to wrap up S-52:100 Ed. 5.0.0 with additional screenshots figures prior to initiate the approval process. | June 2025 | |
| 5.2Aa, | S-52, S-64, S-65 | HSSC17/064 | <p>Upon endorsement by HSSC, IHO Sec. to issue the Call for Approval iaw IHO Resolution 2/2007 on the following:</p> <ul style="list-style-type: none"> - S-52:100 Edition 5.0.0 - S-64:100 Edition 4.0.0 - S-65 Annex B Edition 2.0.0 <p>While calling for the approval of the proposed S-52:100 Edition, IHO Sec. to raise on the impact ENC encoding of CATZOC and Cables will have on S-100 ECDIS presentation.</p> | July 2025 | |
| 5.2B | ECS PT | HSSC17/065 | HSSC commended ECS PT for its work and achievements, and agreed to disband the ECS PT after coordinating its IMO-specific recommendations towards the IMO Member States . | | Decision |
| 5.2B | ECS PT Final Recommendations | HSSC17/066 | HSSC noted the final recommendations from ECS PT and tasked S-100 WG to keep the development of an ECS Security Scheme under its Work Plan with a relevant priority level. | | Decision |
| 5.3 Hydrographic Surveys Working Group (HSWG) | | | | | |

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| 5.3 | HSWG | HSSC17/067 | HSSC noted the progress made by HSWG and its different PTs (C-13 MHPT, SDBPT) and approved the Work Plan for 2025-2026. HSSC recommended HSWG to rename its SDBPT as Hydrographic Earth Observation PT (HEOPT) rather than Earth Observation PT (EOPT) . | | Decision |
| 5.4 Tides, Water Level and Currents (TWCWG) | | | | | |
| 5.4 | TWCWG | HSSC17/068 | HSSC noted the progress made by TWCWG and approved the proposed Work Plan for 2025-2026. | | Decision |
| 5.4 | TWCWG | HSSC17/069 | HSSC tasked the IHO Sec. to submit the proposed changes to of the affected M-3 resolutions together with other M-3 changes as a package to C-9 for endorsement and then to A-4 for approval. | | Decision |
| 5.5 Nautical Information Provision (NIPWG) | | | | | |
| 5.5 | NIPWG | HSSC17/070 | HSSC noted the progress made by the different Task Groups under NIPWG (S-122, S-123, S-125, S-126, S-127, S-131 TGs) and approved the proposed Work Plan for 2025-2026. | | Decision |
| 5.5 | Maritime Services, e-navigation | HSSC17/071 former HSSC16/57, HSSC 15/37, ..., HSSC13/38) | HSSC tasked NIPWG to act as the responsible IHO WG to monitor and contribute to the IMO Expert Group on Data Harmonization (EGDH) . | Permanent | |
| 5.5 | NIPWG | HSSC17/072 | HSSC invited IALA to liaise with NIPWG to foster cooperation on S-125 PS (i.e. development, testing, approval process) for the purpose of submitting a consolidated Edition 1.0.0 to NIPWG for endorsement. | NIPWG-12 (7 weeks before) | |
| 5.5 | NIPWG | HSSC17/073 | HSSC agreed with NIPWG recommendation to remove S-126 from the S-100 timeline and Phase 2 Products List and to introduce a Phase 3 for S-100 PS not currently having a defined timeline. | | Decision |

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| 5.5 | NIPWG | HSSC17/074 | HSSC welcomed the proposed paper on <i>Proposal for developing Port Information Guidance</i> to be submitted by IHMA to IMO FAL 2026. HSSC encouraged its Members to support the paper under the IMO process. | | Decision |
| 5.6 Nautical Cartography (NCWG) | | | | | |
| 5.6A | NCWG | HSSC17/075 | HSSC noted and commended the progress made by the different PTs under NCWG (INT1, Baseline Symbology) and approved the proposed Work Plan for 2025-2026. | | Decision |
| 5.6A | NCWG | HSSC17/076 | HSSC endorsed the proposed revisions to S-4 (NCWG Report Annex C refers) HSSC noted the clarifications to S-4 (NCWG Report Annex B refers) | | Decision |
| 5.6A | NCWG | HSSC17/077 | IHO Sec. to initiate the Call for Approval of S-4 Edition 4.10.0 iaw IHO Resolution 2/2007 | July 2025 | |
| 5.6B | Paper Chart 2.0 Initiative | HSSC17/078 | HSSC noted the progresses made by CA and US on their automated paper Chart Production evolution. | | Decision |
| 5.6B | NCWG | HSSC17/079 | HSSC thanked CA involvement in leading the Baseline Symbology PT. | | Decision |
| 5.7 Maritime Autonomous Surface Ships (MASS) Navigation (MASS PT) | | | | | |
| 5.7 | MASS PT | HSSC17/080 | HSSC noted the progress made by MASS PT and the proposed activities for the next 5 years and approved the MASS PT Work Plan 2025-2026. HSSC approved the proposed MASS PT Terms of Reference (as in Report Annex A) | | Decision |
| 5.8 Data Quality (DQWG) | | | | | |
| 5.8 | DQWG | HSSC17/081 | HSSC noted the progress made by DQWG and approved the proposed Work Plan for 2025-2026. | | Decision |
| 5.8 | DQWG | HSSC17/082 | HSSC agreed that, considering the maturity of the Proposed S-68 Edition, to approve it as Edition 1.1.0 | | Decision |

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| 5.8 | DQWG | HSSC17/083 | HSSC encouraged its Members to run more S-68 based Data Quality checks using the automated script developed under DQWG and made available on the IHO GitHub Repository (https://github.com/iho-ohi/S100Infrastructure), and share their feedback with DQWG . HSSC Members to liaise directly with DQWG Chair Team to get access to the automated script. | | Decision |
| 5.8 | DQWG | HSSC17/084 | HSSC encouraged DQWG to liaise with S-100 PS developers, HSWG and S-100 WG to collect their S-68 based Data Quality feedback and experience. | | Decision |
| 5.8 | DQWG | HSSC17/085 | HSSC invited DQWG to submit clarifications for S-100 Edition 5.2.1 to S-100 WG . | S-100WG10 | |
| 5.8 | DQWG | HSSC17/086 | HSSC agreed that DQWG will not cover IALA S-2xx cross-reference checks. | | Decision |
| 5.9 Hydrographic Dictionary (HDCG) | | | | | |
| 5.9 | HDCG | HSSC17/087 | HSSC noted the progress made by the HDCG and approved the proposed Work Plan for 2025-2026. | Reminder | Decision |
| 5.9 | HDCG | HSSC17/088 | HSSC tasked HDCG to define, in liaison with the IHO Sec. , a consolidated management procedure and workflow for new/modify/delete proposals submission to S-32 database and to submit it to HSSC for approval. | HSSC-18 (7 weeks before) | |
| 5.1B | S-100 GI Registry | HSSC17/089 | HSSC noted the GI Registry report recommendations and tasked the IHO Sec. to submit a dedicated paper to S-100 WG regarding GI Registry path forward. | S-100WG10 (7 weeks before) | |
| 5.10 Polygonal Demarcation of Global Sea Areas (S-130 PT) | | | | | |

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| 5.10 | S-130 PT | HSSC17/090 | HSSC noted and commended S-130 PT for their progress report, and approved the proposed Work Plan for 2025-2026 and the associated timelines. HSSC noted the supportive comments from KR, JP and SE and the IHO Sec. HSSC noted the statement made by CN² | | Decision |
| 5.10 | S-130 PT | HSSC17/091 | HSSC endorsed the Proposed Edition 2.0.0 of <i>S-130 Product Specification</i> . | | Decision |
| 5.10 | S-130 PT | HSSC17/092 | HSSC tasked IHO Sec. to initiate the Call for Approval for the Proposed Edition 2.0.0 of S-130 Product Specification. | July 2025 | |
| 5.10 | S-130 PT | HSSC17/093 | HSSC approved the Proposed Edition 1.0.0 of the S-158:130 <i>Validation Checks</i> | | Decision |
| 6. Inter-Organizational Bodies | | | | | |
| 6.1 IHO-IAG Advisory Board on the Law of the Sea (ABLOS) | | | | | |
| 6.1 | ABLOS | HSSC17/094 | HSSC noted the progress made by ABLOS and approved the proposed Work Plan for 2025-2026 and the proposed amended Terms of Reference. HSSC noted technical questions should be submitted to ABLOS Secretary (IHO Sec.) as for further consideration by IHO and IAG . | | Decision |
| 6.2 Joint IHO-Singapore Innovation and Technology Laboratory | | | | | |

² Full statement available as Annex A.

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| 6.2 | Joint IHO-Singapore Innovation and Technology Laboratory | HSSC17/095 | <p>HSSC noted the status of the current four IHO-Singapore Lab Projects:</p> <ul style="list-style-type: none"> • S-131 Project, • S-102 Project, • Dual-Fuel (S-57 and S-101) Project, • Integration of sea and land datum for monitoring possible sea level rise. • The responses provided to the input paper submitted by DE. <p>HSSC Members and Observers/Stakeholders willing to get involved in these projects to contact the IHO Singapore Lab General Manager.</p> | HSSC-18 | Decision |
| 7. Decisions of other bodies affecting HSSC | | | | | |
| 7.1 IRCC (incl. MSDIWG) | | | | | |
| 7.1A | S-100 Strategy | HSSC17/096 | HSSC noted the report from IRCC and endorsed the recommendations from the WENDWG . | | Decision |
| 7.1B | ENDS | HSSC17/097 | HSSC endorsed the ENDS Paper provided by WENDWG , and tasked ENCWG to consider its inclusion in further S-66 review cycle. | | Decision |
| 7.1C | S-11 Part. C | HSSC17/098 | HSSC noted the status update from WENDWG Chair on the drafting of S-11 Part. C | | Decision |
| 9.1A | S-100 Communication Strategy | HSSC17/099 | HSSC noted and commended the WENDWG Proposal and supported the idea to build a consolidated S-100 Communication Strategy. | | Decision |
| 7.3 IMO | | | | | |
| 7.3A | IALA Activities | HSSC17/0100 | HSSC noted the report on IMO related activities by the IHO Sec. | | Decision |
| 7.4 IALA | | | | | |
| 7.4A | IALA Activities | HSSC17/0101 | HSSC noted the IALA report and commended IALA for the active collaboration with IHO on S-100 Matters, particularly S-125 development and acknowledged the plan to arrange further IALA/IHO S-100 Workshops. | | Decision |
| 7.5 IEC | | | | | |

| AGENDA ITEM | SUBJECT | ACTION No. | ACTIONS (in bold, action by) | TARGET DATE/EVENT | STATUS |
|---|----------------------|-------------|---|-------------------|----------|
| 7.5A | IEC Activities | HSSC17/0102 | HSSC noted the IEC report, in particular the <i>IEC 61174 ECDIS Standard</i> timeline and interaction with the <i>IHO S-100 Roadmap</i> (especially the relationship between S-98 and S-164 timelines). | | Decision |
| 7.6 CIRM | | | | | |
| 7.6A | CIRM Activities | HSSC17/0103 | HSSC noted the CIRM report and its recommendations, particularly on <i>S-100 Data Distribution, Standards maintenance cycle</i> and <i>S-57 sunseting</i> . | | Decision |
| 7.7-7.8 ISO & OGC | | | | | |
| 7.8A | ISO & OGC Activities | HSSC17/0104 | HSSC noted the OGC report, and welcomed its offer for assistance and advice on the use of the Metanorma framework. | | Decision |
| 7.9 IEHG | | | | | |
| 7.9A | IEHG Activities | HSSC17/0105 | HSSC noted the IEHG report, and the allocation of S-403 number for <i>Data Product Interoperability with S-401 Inland ENC's</i> and encouraged IEHG to liaise with CIRM and type-approval authorities. | | Decision |
| 7.10 DGIWG & NATO GMWG | | | | | |
| 7.10B | NATO GMWG Activities | HSSC17/0106 | HSSC noted the GMWG report and progress, in particular the need for resource and technical collaboration from IHO/NATO Member States and the use of Metanorma. | | Decision |
| 7.11 ICPC | | | | | |
| 7.11A | ICPC Activities | HSSC17/0107 | HSSC noted the ICPC report. | | Decision |
| 7.12 WMO | | | | | |
| 7.12A | WMO Activities | HSSC17/0108 | HSSC noted the WMO report and efforts on S-41X series development and invited WMO to liaise with the IHO Sec. to host the WMO S-100 (S-41X) documentation on the IHO GitHub Repository. HSSC recommended WMO to liaise with S-100 WG for closer cooperation and advice on submission to the GI Registry. HSSC confirmed the inclusion of S-411/412 in Phase 2 and inclusion of S-413/414 in the newly created Phase 3. | | Decision |
| 7.13 IC-ENC , PRIMAR activities in support of the S-100 Implementation Roadmap | | | | | |

| AGENDA ITEM | SUBJECT | ACTION No. | ACTIONS (in bold, action by) | TARGET DATE/EVENT | STATUS |
|--|---------------------------------|-------------|--|--|----------|
| 7.13A | IC-ENC Activities | HSSC17/0109 | HSSC noted the report and progress by IC-ENC regarding the S-100 implementation, in particular the capacity building projects and funding opportunities and the close cooperation with OEMs. | | Decision |
| 7.13B | PRIMAR Activities | HSSC17/0110 | HSSC noted the report and progress by PRIMAR including their recommendations on S-100 framework stability, promotion and information sharing, capacity building, S-100 infrastructure & Dual Fuel Period Focus with S-57 Sunsetting. | | Decision |
| 7.13B | RENCs funding opportunities | HSSC17/0111 | HSSC invited the RENCs to address the harmonized use of their own CB funds for S-100 in their report to HSSC . | HSSC18 | |
| 8. Review and Endorsement of HSSC Work Plan 2024-25 and List of Actions | | | | | |
| 08 | HSSC Work Programme (2025-2026) | HSSC17/0112 | HSSC approved the amendments proposed by the HSSC WGs and PTs' Chairs to their Work Plans IHO Secretariat to upload the consolidated version of the HSSC Work Plan on the IHO websites accordingly. | Deadline for WGs to submit adjustments by 31 July September 2025 | Decision |
| 08 | HSSC Work Programme (2027-2032) | HSSC17/0113 | HSSC agreed to wait for a consolidated version of the <i>2027-2032 Strategic Plan</i> from SPRWG before submitting a draft 3 years Work Plan to IHO Council . | | Decision |
| 9. Any Other Business | | | | | |
| 10. Date & Location of the next meetings | | | | | |
| 10 | HSSC18 | HSSC17/0114 | HSSC welcomed the confirmation by Poland to host HSSC18 from 18 to 22 May 2026 in Gdansk. | | Decision |
| 10 | HSSC19 | HSSC17/0115 | HSSC welcomed the offer made by Republic of Korea to host HSSC19, along with the start of the IHO Infrastructure Centre operations. | HSSC19 (2027, dates TBD) | Decision |

Statement from the Republic of China

There are several reasons why the timeline of task item B.3 should be changed:

1. According to S-130 PT work plan 2022-2025, this task should start from 2024 and end in 2025, however, the task has not been started in 2024 because the lack of operational edition of S-130 and S-158:130 and the enough experiences in producing and validating the S-130 sample dataset. Therefore, it is necessary to change the start date from 2024 to 2025 and change the end date from 2025 to 2027 so that the Project Team has enough time to have some in-depth discussion and complete the task.

2. The operational edition of S-130 has not been tested and still needs be improved based on the experiences in producing more sample dataset. In addition, S-158:130 is also not mature enough to support the validation of the S-130 dataset, so a new edition 2.0.0 will be absolutely necessary before the production of the IHO S-130 authoritative dataset.

3. S-130 belongs to phase 2 or phase 3, so there is no reason or necessity to finish the production and release of the IHO S-130 authoritative dataset before a large number of Phase 1 products has been produced and released by most of Member states. Furthermore, the production of S-130 dataset also relies on the experiences collected in producing Phase 1 products on a large scale and over a longer period of time, and it is not possible to get enough experiences before 2026.

4. There is still a lot of work need to be done before officially starting the production of IHO S-130 authoritative dataset. For example, the project team needs to discuss and reach consensus on the solution of the production of IHO S-130 authoritative dataset which includes but not limited to how to make sure the member states could be able to participate in the production, how to collect source data from member states, what is the review and approval procedures of source data, which production software and validation software will be used, etc. Considering the complexity and the difficulty of this task and the limit of time before the current end date, it is difficult for the project team to finish the task item by 2025.