ENG19-4.4

16 June 2024

**IHO HSSC 16, 27-31 May 2024, Tokyo, Japan**

*Minsu JEON*

**INTERNAL REPORT** **Distributed to:** FZ

**Copy to:** OFE,JA, TS, AG

**Date:** 02-06-2024

**Background**

The 16th meeting of the IHO Hydrographic Services and Standards Committee (HSSC) took place from May 27 to May 31, 2024, in Tokyo, Japan. Minsu Jeon represented IALA at the meeting. The event saw participation from 90 representatives of member states and observers.

**Discussion**

During the sessions, updates were provided from all of the IHO Working Groups, including the S-100 WG, S-101 WG, NIPWG, and ENCWG. These updates offered an opportunity to stay informed about the progress and developments within the IHO working groups. And also, it was a good chance to hear presentations from various stakeholders such as CIRM, IEC, WMO. IEC and RTCM shared their view point on the S-100 implementation before 2026.

Still there are some challenges to get over, but in general IHO still see the time table is valid. IEC and CIRM shared the development status of IEC SECOM standards and ECDIS Test Standards. Minsu’s presentation also covered the introduction of the Technical Services and the Open Digital Incubator.

* IEC 63173-1:2021 Maritime navigation and radiocommunication equipment and systems - Data interfaces - Part 1: S-421 route plan based on S-100
* IEC 63173-2:2022 Maritime navigation and radiocommunication equipment and systems - Data interfaces - Part 2: Secure communication between ship and shore (SECOM)

Minsu Jeon delivered a presentation on IALA's activities in the area of S-200, covering the IALA training course on S-200, testbeds, and sea trials. This presentation effectively raised awareness of IALA's contributions and efforts in these areas. The presentation is available in the presentation sharing folder.

\SHARED TOOLS\Presentations\Minsu\2024 IHO HSSC

WMO presented about its work on S-41X series Product Specification development and WMO is back to fully onboard of the development.

A diagram of a medical procedure

Description automatically generated with medium confidence

IEC 61174 ED 5.0 TIMELINE

**Programme of IHO HSSC 16, Download links are included**

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| **Doc Number** | **Date** | **Title** |
|  | -- | [IHO CL 04/2024 announcing HSSC-16](https://iho.int/uploads/user/circular_letters/eng_2024/CL04_2024_EN_V1.pdf) |
| **Logistic Information** | | |
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|  | 8 March / 23 May | [Logistic Information](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/Logistic%20Information%20Rev2_HSSC16_20240523_marked-up.pdf) **Rev2**, version 23 May 2024 -  HSSC16 Participants JHOD ID# List ( [.xls](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/Entry%20ID_HSSC16_Participants_20240523.xlsx) ) |
|  | 10 April | Template ( [.ppt](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/Template_HSSC-16_WG_Reports_Proposals.pptx) ) for the presentation of WG reports / proposals |
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| HSSC16-01A |  | List of Documents (this html page) |
| HSSC16-01B | 23 May | [List of Participants](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_01B_EN_List_of_Participants_rev1.pdf) |
| HSSC16-01C | -- | [HSSC - List of Contacts](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/MISC/HSSC_Contacts.pdf) |
| HSSC16-01D | -- | [Terms of Reference for HSSC](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/MISC/HSSC_TOR.pdf) |
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| HSSC16-02A **Rev3.1** | 31 Jan / 13 May 2024 | Draft Agenda and Timetable **Rev3.1** ( [.doc](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_02A_Rev3.1_EN_agenda_timetable.docx) ; [.pdf](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_02A_Rev3.1_EN_agenda_timetable.pdf) ) |
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| HSSC16-03A | 23 Jan 2024 | Status of List of Actions and Decisions from HSSC-15 ( [.doc](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/LIST%20OF%20DECISIONS%20AND%20ACTIONS%20FROM%20HSSC15_23Jan2024.docx) , [.pdf](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/LIST%20OF%20DECISIONS%20AND%20ACTIONS%20FROM%20HSSC15_23Jan2024.pdf) ) |
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| HSSC16-04.1A | 19 April | [General overview of the outcome of C-7 affecting HSSC](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_04.1A_EN_Outcome%20C-7%20affecting%20HSSC.pdf)  Useful Reference: [C-7 Summary Report](https://iho.int/uploads/user/About%20IHO/Council/council7/C7_2023_S_EN_SummaryReport_v1.1.pdf) and [List of Decisions and Actions from C-7](https://iho.int/uploads/user/About%20IHO/Council/council7/LIST%20OF%20DECISIONS%20and%20ACTIONS%20FROM%20C7_v1_Rev1.pdf) (and [status](https://iho.int/uploads/user/About%20IHO/Council/council8/C8_2024_03.1A_Status_LIST%20OF%20DECISIONS%20and%20ACTIONS%20FROM%20C7.pdf)) |
| HSSC16-04.2A | 14 Feb / 10 May | Initial discussion and views in preparation of inputs for the revision of the Strategic Plan in preparation of the IHO Strategic Plan 2027-2032 to be adopted at A-4 (2026) - [*Presentation*](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_04.2A_EN_Presentation_Revision_SP.pdf)  - [HSSC Workshop on the IHO Strategic Plan](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_04.2A_EN_HSSC_SP%20Workshop%20Results.pdf) |
| HSSC16-04.3A **Rev1** | 7 / 19 May | Discussion on the implementation of the SPIs of the current IHO Strategic Plan 2021-2026 allocated to HSSC – Way forward – Report and Proposals to C-8 - [*Presentation*](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_04.3A_Rev1_EN_Presentation_SPIs%20allocated%20to%20HSSC.pdf) **Rev1**  Useful Reference: Draft Publication P-7 - [IHO Annual Report 2023](https://iho.int/uploads/user/pubs/Drafts/P7_2023_EN_IHO_Draft1.pdf), Annex B (pages ....). |
| HSSC16-04.4A **Rev1** | 19 April / 17 May | [Update on the management and projects carried out by the joint IHO-Singapore Innovation and Technology Laboratory and impact on HSSC activities](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_04.4A_Rev1_EN_IHO-Singapore_Lab.pdf) **Rev1**  Useful Reference: [IHO - Singapore Innovation and Technology Laboratory](https://iho.int/en/iho-singapore-lab) |
| HSSC16-04.5A **Rev1** | 8 April / 7 May | Report and Recommendations **Rev1** ( .doc ; [.pdf](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_04.5A_Rev1_EN_ICE%20PT%20report_ed.1.1.pdf) ) of the S-100 Infrastructure Centre Establishment Project Team - [*Presentation*](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_04.5A_EN_Presentation_ICE%20PT_ed.1.1.pdf) |
| HSSC16-04.6A | 7 April | Outcome of the call for the approval of the IHO Resolution on the Proposed *Ex Abyssis ad Alta* – IHO Award for Hydrographic Excellence, and way forward for the nomination of HSSC’s Champion 2024  Useful References: [IHO CL 06/2024](https://iho.int/uploads/user/circular_letters/eng_2024/CL06_2024_EN_v1.pdf) and [IHO CL 19/2024](https://iho.int/uploads/user/circular_letters/eng_2024/CL19_2024_EN_v1.pdf) |
| HSSC16-04.7A **Rev1** | 5 April / 7 May | [Report and Recommendations of the S-100 Security Scheme Project Team](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_04.7A_Rev1_EN_Security%20Scheme%20PT_final_rev01.pdf) **Rev1**-  Work Plan 2024-2025 ( [.doc](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/IHO%20Security%20Scheme%20PT%20WorkPlan%202024_2025%20final.docx) ) |
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| HSSC16-05.1A **Rev4** | 6 / 25 April | [Report and Recommendations of S-100WG](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_05.1A_Rev4_EN_S100WG-report_rev4.pdf) **Rev4 -**Work Plan ( [.doc](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC_Work_Plan_2024-202%20_S100WG.docx) ) |
| HSSC16-05.1B |  | Report on S-100 Registry Management |
| HSSC16-05.1C **Rev1** | 6 / 19 April | [Report of the S-101 Project Team](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_05.1C_Rev1_EN_S-101PT%20Report_20240417.pdf) **Rev1**  Reminder: see Doc. HSSC16-05.5B |
| HSSC16-05.1D |  | Report of the S-102 Bathymetric Surface Project Team |
| HSSC16-05.1E | 8 April | [S-121 Report](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_05.1E_EN_S121%20report.pdf) |
| HSSC16-05.1F |  | Update of the Dual-Fuel Concept for S-100 ECDIS, Annex 4 of the S-100 Roadmap |
| HSSC16-05.1G | 7 April | [UK's Proposal: SENC distribution in an S-100 World](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_05.1G_EN_UK_SENC.pdf) |
| HSSC16-05.1H | 7 April / 23 May | [Canada's Proposal: Canadian S-100 Sea Trial Area](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_05.1H_EN_S-100_sea_trial_area_Canada.pdf) - [*Presentation*](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_05.1H_EN_Presentation_Canadian_Sea_Trial.pdf) |
| HSSC16-05.1J | 30 April / 17 Mat | [Comments by France, Canada, Croatia, Estonia, Finland, Germany, Latvia, Norway, Poland, Sweden, Republic of Korea, United States and PRIMAR on Doc. HSSC16-05.1G - SENC distribution in an S-100 World](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_05.1J_Comments_on_SENC_05.1G.pdf)  - [*Presentation*](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_05.1J_EN_Presentation_Comments_to_HSSC16-05.1G.pdf) |
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| HSSC16-05.2A | 8 / 10 April | [Report and Recommendations of ENCWG](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_05.2A_EN_ENCWG%20Report2.pdf) - ENCWG Proposed Work Plan 2024-2025 ( [.doc](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/ENCWG_Work_Plan_2024_2025.docx) ) |
| HSSC16-05.2B | 6 / 8 April | [Report and Recommendations of the ECS Project Team](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_05.2B_EN_ECS%20PT.pdf) - ECS PT Proposed Work Plan 2024-2025 ( [.doc](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/20230718%20Draft%20ECSPT%20Workplan%202024%20-%202025.docx) ) |
| HSSC16-05.2C **Rev1** | 22 March / 24 May | [Proposed Ed. 2.0.0 of S-66 (5th draft)](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/5th%20Draft%20-%20IHO%20S-66%20FACTS%20ABOUT%20ELECTRONIC%20CHARTS%20AND%20CARRIAGE%20REQUIREMENTS%20edition%202.0.0.pdf) **Rev1**- *Facts about Electronic Charts and Carriage Requirements* - S-66 Ed. 2.0.0 Comments Form ( [.doc](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/S66%20edition%202.0%20comment%20form.doc) ) |
| HSSC16-05.2D | 27 March | Proposed Ed. 4.4.0, October 2024, of S-57, Appendix B.1, Annex A - *Use of the Object Catalogue for ENC (UOC)*: - redline version ( [.doc](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/S-57%20Appendix%20B.1%20Annex%20A_Ed%204.4.0_Redline_For%20HSSC.docx) ), clean version ( [.doc](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/S-57%20Appendix%20B.1%20Annex%20A_Ed%204.4.0_Clean_For%20HSSC.docx) ) |
| HSSC16-05.2E | 5 April | Proposed Ed. 8.0.0 of S-58 - *ENC Validation Checks*: - redline version ( [.doc](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/S-58%20Edition%208.0.0_redline_20240322.docx) ), Impact Study ( [.xls](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/ENCWG%20Impact%20Study%20for%20the%20Revision%20of%20IHO%20S-58%20ENC%20Validation%20Checks%20LATEST%20RESULTS.xlsx) ) |
| HSSC16-05.2F | 8 April | For information only, these Revisions (1.n.n) being approved at ENCWG level - S-65, Annex A, Ed. 1.1.0 ([clean](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/S-65%20Annex%20A_Ed%201.1.0_Clean_FINAL_For%20HSSC16.docx), [redline](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/S-65%20Annex%20A_Ed%201.1.0_Redline_FINAL_For%20HSSC16.docx)) - *High Density (HD) ENC Production and Maintenance Guidance*  - S-65, Annex B, Ed.1.2.0 ( [clean](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/S-65%20Annex%20B_Ed%201.2.0_Clean_For%20ENCWG.docx), [redline](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/S-65%20Annex%20B_Ed%201.2.0_Redline_For%20ENCWG.docx)) - *S-57 ENC to S-101 Conversion Guidance* |
| HSSC16-05.2G | 8 April | Impact Assessment ( [.xls](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/IHO%20Impact%20Assessment_S-64_2023%20LATEST%20RESULTS.xlsx) ) on the proposal for the creation of Ed. 4.0(.0) of S-64 - - *IHO Test Data Sets for ECDIS* |
|  |  |  |
| HSSC16-05.3A **Rev1.1** | 16 April / 24 May | [Report and Recommendations of NIPWG](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_05.3A_Rev1.1_EN_NIPWG%20report%20and%20recommentations_v2.pdf) **Rev1.1** - [*Presentation*](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_05.3A_Rev1.1_Presentation_NIPWG_Report_v2.pdf)**Rev1.1**  - Proposed Work Plan 2024-2025 **Rev1.1** ( [.doc](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16%20NIPWG%20Report_Annex%20H%20-%20workplan_rev1.1.docx) )  - Impact Study S-128 ( [.doc](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16%20NIPWG%20Report_Annex%20E%20-%20Impact%20study%20for%20S-128.docx) )  - IHMA Guidelines for Harmonized Communication and Electronic Exchange of Nautical Data for Port Calls© - Version 2.0 ( Doc. [NIPWG\_VTC01\_2024\_09.6.2A](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/NIPWG_VTC01_2024_09.6.2A_EN_Guide%20for%20Nautical%20Data%202.0%20clean.docx)) |
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| HSSC16-05.4A | 27May2024 | Report and Recommendations of NCWG - [*Presentation*](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_05.4A_EN_NCWG_Report.pdf)   - Proposed Work Plan 2024-2025 ([.doc](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_05.4A_EN_NCWG%20report%20Annex%20A%20Work%20Plan.docx)) |
| HSSC16-05.4B |  |  |
| HSSC16-05.4C | 7 April | [Canada's Proposal: Automated Paper Charts from ENCs](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_05.4C_EN_Automated_paper_charts_Canada.pdf) - [*Presentation*](https://iho.int/uploads/user/Inter-Regional%20Coordination/RHC/USCHC/USCHC47/HSSC16_2024_05.4C_EN_Automated_paper_charts_Canada_presentation.pdf) |
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| HSSC16-05.5A **Rev1** | 8 / 20 April | [Report and Recommendations of DQWG](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_05.5A_Rev1_EN_DQWG%20report_V%201.1.doc) **Rev1** - [*Presentation*](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_05.5A_EN_Presentation_DQWG%20report.pdf) |
| HSSC16-05.5B **Rev1** | 9 April / 17 May | [Report **Rev1** on the application of some ISO 9001 Principles in the development of S-101 PS, S-98 and S-164](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_05.5B_Rev1_EN_Report%20ISO%209001%20Cell%202024%2004%2008.pdf) - [*Presentation*](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_05.5B_EN_Presentation_ISO%20cell%20Report.pdf)  Additional Information Documents: - S-101 Detailed GANTT, v14 April 2024 ( [.xls](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/S-101%20GANTT%20Chart_v14_APR2024_Excel.xlsx) ) - S-101 Product Specification - Risks and Opportunities Management ( [.doc](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/Manage%20Risks%20Opportunities%20S-101%20PS_APR2024.doc) ) |
| HSSC16-05.5C | 8 April / 27 May | [UK's Proposal: S-100 Implementation and Validation](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_05.5C_EN_S-100%20Implementation%20and%20Validation%20FINAL.pdf) - [*Presentation*](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_05.5C_EN_Presentation_S-100%20Implementation%20and%20Validation%20FINAL%2020240527.pdf) |
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| HSSC16-05.6A **v3.1** | 10 / 12 April | [Report and Recommendations of the HSWG](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_05.6A_v3_EN_HSWG_Report.pdf) - [*Presentation*](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_05.6A_EN_Presentation_HSWG_Report_v3-1.pdf) **v3.1**  - Proposed ToRs and RoPs ( [redline](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSWG_ToRs_E_2024.04.10_Markup.docx), [clean](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSWG_ToRs_E_2024.04.10.docx)) |
| HSSC16-05.6B | 10 April | Proposed Ed. 6.2.0 of S-44 ( [.doc](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/S-44_Edition_6.2.0_Proposed.docx) ; [.pdf](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/S-44_Edition_6.2.0_Proposed.pdf) ) - *IHO Standards for Hydrographic Surveys* |
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| HSSC16-05.7A | 8 April | [Report and Recommendations of TWCWG - *Presentation*](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_05.7A_EN_TWCWG_Report_Recommendations.pdf) - Proposed TWCWG Work Plan 2024-2025 ( [redline](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/TWCWG_Work_Plan_2024-2025_RED%20LINE.docx), [clean](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/TWCWG_Work_Plan_2024-2025_CLEAN.docx)) - Proposed ToRs and RoPs ( [redline](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/TOR_TWCWG8_9_2_RED%20LINE.docx), [clean](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/TOR_TWCWG8_9_2_CLEAN.docx)) |
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| HSSC16-05.8A **Rev1** | 7 April | [Report and Recommendations of HDWG/HDCG - *Presentation*](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_05.8A_EN_Report%20and%20Recommendations%20of%20HDWG_HDCG.pdf) *-*Proposed ToRs of the IHO Correspondence Group on Hydrographic Dictionnary **Rev1** ( [.doc](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HDCG_TOR_draft_clean_Rev1.docx) ) - Proposed Work Plan 2024-2025 ( [.doc](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HDWGHDCG%20WORK%20PLAN%202024-2025.docx) ) |
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| HSSC16-05.9A **Rev1** | 5 April / 3 May | [Report and Recommendations of the Maritime Autonomous Surface Ships (MASS) Navigation (MASS PT)\_**Rev1**](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_05.9A_EN_MASS%20PT%20report%20and%20recomendations_Rev1.docx) - [*Recorded Presentation*](https://youtu.be/VlWqzI489nY?si=8R1pzyhn-6cdmZbL) |
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| HSSC16-05.10A | 19 April | [Report and Recommendations of the Polygonal Demarcation of Global Sea Areas (S-130 PT)](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_05.10A_EN_S-130.pdf) - [*Presentation*](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_05.10A_EN_Presentation_S-130.pdf)  For information only, these Revisions (1.n.n) being approved at S-130PT level - Draft Ed.1.1.0 of S-130 ( [.zip](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/S-130%20v1.1.0.zip)), work still in progress as of 19 April |
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| HSSC16-06.1A | 24 May | Report and Recommendations of ABLOS ( [.doc](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_06.1A_EN_ABLOS_Report_v2.docx) ) - [*Recorded Presentation*](https://drive.google.com/file/d/180EMXO3fJ5-YZYZ9RvencXLOQUkHlcB4/view?usp=sharing) |
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| HSSC16-07.1A **Rev1** | 19 April / 5 May | IRCC activities affecting HSSC (including MSDI, WEND-100 Principles) - [*Presentation*](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_07.1A_Rev1_EN_Report_IRCC.pdf)**Rev1** |
| HSSC16-07.1B | 4 / 24 May | [Status Report on the development of S-124](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_07.1B_EN_S-124PT_Report.pdf) – Navigational Warnings - [Impact Study](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_07.1B_AnnexA_EN_S-124_Draft%20Impact%20Study_20240502.pdf) - [*Presentation*](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_07.1B_EN_Presentation_S-124NWPT_Report_v1.pdf) |
| HSSC16-07.1C **Rev1** | 25 March / 6 May | [S-124 Data Dissemination issues related to e-navigation](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_07.1C_EN_S-124%20Data%20Dissemination%20issues%20FINAL.pdf) *-*[*Presentation*](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_07.1C_Rev1_EN_Presentation_S-124%20Data%20Dissemination.pdf)***Rev1*** - [Resolution 361 (WRC-15)](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/Resolution%20361_WRC-15.pdf) - [Resolution 361 (WRC-19)](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/Resolution%20361_WRC-19.pdf) |
| HSSC16-07.1D | 25 March / 25 April | [Challenges in ensuring an harmonised approach in S-1xx product data](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_07.1D_EN_Challenges%20in%20ensuring%20an%20harmonised%20approach%20in%20S-1xx%20product%20data.pdf) *-*[*Presentation*](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_07.1D_EN_Presentation_Challenges%20in%20harmonised%20approach.pdf) |
| HSSC16-07.1E | 7 April | [UK's Proposal: How S-100 could better support MSDI?](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_07.1E_EN_How%20S-100%20could%20better%20support%20MSDI%20FINAL%2020240405.pdf) |
| HSSC16-07.1F | 10 May | [Comment by WWNWS-SC on Doc. HSSC16-07.1C](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_07.1F_EN_Comment_WWNWS-SC_S-124%20Data%20Dissemination%20issues__Final.pdf): S-124 data dissemination issues related to e-navigation |
| HSSC16-07.1G | 19 May | [Comment by France on Doc. HSSC16-07.1C](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_07.1G_EN_Comment_France_S-124%20data%20dissemination-2.pdf) |
| HSSC16-07.2A | 9 / 19 April | Report on IMO activities affecting HSSC (including engagement for the S-100 implementation roadmap) - [*Presentation*](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_07.2A_EN_IMO.pdf)  Useful Reference: - Doc. [IMO MSC 108/12/4](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/MSC108-12-4_Update%20on%20the%20progress%20of%20S-100%20implementation%20and%20availabilityof%20printed%20nautical%20charts.pdf) (IHO) - Update on the progress of S-100 implementation and availability of printed nautical charts - Doc. [IMO MSC 108/12/5](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/MSC%20108-12-5_NZ_Comments%20on%20the%20report%20of%20the%20tenth%20session%20of%20the%20Sub-CommitteeReal-time%20exchange%20of%20S-100.pdf) (NZ) - Comments on the report of the tenth session of the Sub-Committee Real-time exchange of S-100 products |
| HSSC16-07.2B **Rev1** | 10 / 22 May | [Update on the development of INToGIS III](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_07.2B_Rev1_EN_INToGIS_III_update.pdf) **Rev1** |
| HSSC16-07.2C |  | Report on views from the IMO on IHO matters, S-100 implementation in particular |
| HSSC16-07.3A **Rev1** | 17 May | IALA activities affecting HSSC - Joint IALA-IHO Seminar - [Presentation **Rev1**](https://iho.int/uploads/user/Inter-Regional%20Coordination/RHC/USCHC/USCHC47/HSSC16_2024_07.3_EN_IALA%20work%20rev2.pdf) |
| HSSC16-07.4A | 21 May | IEC activities affecting HSSC - [*Presentation*](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_07.4A_EN_IEC_Activities_affecting_HSSC.pdf) |
| HSSC16-07.5A | 10 May | CIRM activities affecting HSSC - [*Presentation*](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_07.5A_EN_Presentation_CIRM%20activities%20affecting%20HSSC.pdf) |
| HSSC16-07.6A |  | ISO activities affecting HSSC |
| HSSC16-07.7A | 17 May | OGC activities affecting HSSC - [*Presentation*](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_07.7A_EN_OGC_report.pdf) |
| HSSC15-07.8Aa |  | Report of the Defence Geospatial Information Working Group (DGIWG) |
| HSSC16-07.8Ab |  | Report of the Geospatial Maritime Working Group Technical Panel (GMWG TP) |
| HSSC16-07.9A | 13 April | WMO Expert Team on Maritime Safety [Advancements in S-41X Development](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_07.9A_EN_WMO_ET-MS_S-41X_Development_Status%20Rev.1.pdf) - [*Presentation*](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_07.9A_EN_Presentation_WMO_ET-MS_S-41X_Development_Status%20Rev1.pdf) |
| HSSC16-07.10A | 28 May | [Report on ICPC activities affecting HSSC](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_07.10A_EN_ICPC%20activities%20affecting%20HSSC.pdf) |
| HSSC16-07.11A |  | IC-ENC activities in support of the S-100 Implementation Roadmap, concerns and recommendations |
| HSSC16-07.11B | 28May | PRIMAR activities in support of the S-100 Implementation Roadmap, concerns and recommendations - [*Presentation*](https://iho.int/uploads/user/Inter-Regional%20Coordination/RHC/USCHC/USCHC47/HSSC16_2024_07.11B_EN_PRIMAR%20activities%20in%20support%20of%20the%20S-100%20Implementation%20Roadmap.pdf) |
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| HSSC16-07.12A | 13 May | Teledyne SevenCs - [Abstract](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_07.12.A_EN_Abstract_SevenCs_final.pdf) - [*Presentation*](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_07.12.A_EN_Presentation_SevenCs.pdf) |
| HSSC16-07.12B | 29May | KRISO - Reports\_Activities in support of S-100 implementation - [*Presentation*](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_07.12B_EN_EC2_Reports_Activities%20in%20support%20of%20S-100%20implementation_concerns%20and%20recommendations.pdf) |
| HSSC16-07.13A | 30 April / 23 May | IEHG (Inland ENC Harmonization Group (IEHG) [S-401 and interoperability with S-101](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_07.13A_IEHG_S-401%20inclusion%20within%20S-98.pdf) - [*Presentation*](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/HSSC16/HSSC16_2024_07.13A_EN_Presentation_IEHG.pdf) |
| HSSC16-08A |  | HSSC Work Plan 2024-25 ( .doc )  Useful Reference: Current consolidated HSSC Work Plan 2023-2024, version August 2023 ( [.doc](https://iho.int/uploads/user/Services%20and%20Standards/HSSC/MISC/HSSC_Work_Plan_2023-24_30Aug2023.docx) ) |