

LIST OF DECISIONS & ACTIONS ARISING FROM HSSC-10

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AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at 12 Feb 2019)
1. Opening and Administrative Arrangements					
	Contact List	HSSC10/01	IHO Member States and Stakeholders to provide the IHO Sec. with their updates to the HSSC List of Contacts.	Permanent	Last update 24 Jan 2019
		HSSC10/02	HSSC Members to consider the possibility of limiting the number of their delegates at HSSC meetings (up to 2 in addition to WGs' office bearers, in any) and to register in accordance with the deadlines set up in the IHO CL.	Permanent	See also IHO CL 36/2018
2. Approval of Agenda					
	Agenda and Timetable for HSSC-10	HSSC10/03	HSSC approved the agenda and associated timetable.		Decision
3. Matters arising from Minutes of 9th HSSC Meeting					
	E-navigation implementation	HSSC10/04 (Former HSSC8/05 and HSSC9/03)	ENCWG and S-100WG to monitor any possible impact of the work on the agreed e-navigation outputs on ECDIS related standards and S-100 related standards respectively.	HSSC-11	
	S-101&IMO Performance Standards	HSSC10/05 (Former HSSC8/19 and HSSC9/04)	S-100WG invited to investigate if S-101 ENCs will meet the current IMO Performance Standards so there is no need to consider proposing amendments to the IMO.	HSSC-11	
	Equivalent T&Ps for ENCs	HSSC10/06 (Former HSSC8/28 and HSSC9/62)	NCWG and ENCWG to draft a single educative IHO authoritative document addressing the issue of "equivalent" T&Ps for ENCs, in view of its distribution to HOs, Port State Control authorities and mariners after approval.	HSSC-11	In progress. 1 st step: to provide some additional guidance in S-65.

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4. HSSC Administration					
	HSSC TORs	HSSC10/07	<p>HSSC endorsed the proposed amendments to the HSSC TORs.</p> <p>HSSC Chair/IHO Sec to submit these amendments to C-2 for endorsement and submission to A-2, and take the appropriate actions to ensure consistency with the amendments to be made to IHO Resolution 2/2007.</p>	C-2 (- 3 months = 9 July)	<p>Decision</p> <p>Done</p>
5. Reports by HSSC Working Groups					
5.1 S-100 (S-100WG)					
	S-100 Ed. 4.0.0	HSSC10/08	<p>HSSC Chair to issue an HSSC CL seeking endorsement by correspondence of Ed. 4.0.0 of S-100 by HSSC Members.</p> <p>HSSC Members to reply/provide comments if any by the end of August.</p> <p>IHO Sec. to issue a CL to IHO Member States seeking their approval on Ed. 4.0.0 of S-100.</p>	<p>June 2018</p> <p>Aug. 2018</p> <p>Oct. 2018</p>	<p>Done</p> <p>Done</p> <p>Done (IHO CL 50/2018)</p>
	S-97, Product Specification Guidebook	HSSC10/09	<p>HSSC endorsed the S-100 Product Specification Guidebook and agreed to include it within the S-100 work plan.</p> <p>HSSC assigned S-97 to the product specification guidebook</p>		Decision
	S-100 PS master plan and timeline	HSSC10/10	<p>HSSC endorsed the simplified S-100 master plan and the notional S-100 Timeline for Product Specifications (PS).</p> <p>HSSC Chair to include the timeline for PS in the HSSC report to C-2.</p>	9 July	<p>Decision</p> <p>Done</p>
	S-101	HSSC10/11	<p>HSSC agreed to the publication timeline of S-101 Edition 1.0.0 under the conditions depicted by the IHO Secretariat for the new Review Cycle for WG/PT Development Phase of Prod Specs that was endorsed with immediate effect (see below)</p>		Decision

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at 12 Feb 2019)
	IHO Resolution 2/2007	HSSC10/12	HSSC Chair to report at C-2 and inform the Council on the new Review Cycle for WG/PT Development Phase of Prod Specs, seeking for Council's endorsement <u>as part of</u> the revision process of IHO Resolution 2/2007	9 July	Done
	S-102	HSSC10/13	HSSC Chair to issue HSSC CL seeking endorsement by correspondence of Ed. 2.0.0 of S-102 by HSSC Members. HSSC Members to reply/provide comments if any by the end of August. IHO Sec. to issue a CL to IHO Member States seeking their approval on Ed. 2.0.0 of S-102.	June 2018 Aug. 2018 Oct. 2018	Done Done Postponed (HSSC Letter 2/2018 refers)
	S-129	HSSC10/14	UKCMPT to justify iaw S-99 the need for the establishment of an UKCM Domain within the Feature Concept Dictionary	HSSC-11	
	S-121	HSSC10/15	S-121PT to justify iaw S-99 the need for the establishment of an Maritime Limits and Boundaries Domain within the Feature Concept Dictionary	HSSC-11	
	S-121	HSSC10/16	HSSC agreed to the publication timeline of S-121 Edition 1.0.0 under the conditions depicted by the IHO Secretariat for the new Review Cycle for WG/PT Development Phase of Prod Specs that were also endorsed with immediate effect		Decision
	S-121	HSSC10/17	HSSC endorsed the publication timeline for S-121 Edition 1.0.0 – noting that the wider stakeholder review should include IHO Member States and ITLOS		Decision
	S-121	HSSC10/18	S-100WG/S-121PT to keep HSSC Chair/Sec updated on the progress made on the development of S-121 according to the timelines and milestones given at HSSC-10.	From May 2018 until HSSC-11	See also <u>Article</u> dated 27 Nov 2018 in Hydro International
	Interoperability	HSSC10/19 (Former HSSC9/08)	S-100WG to consider how to incorporate generic interoperability into future editions of S-100	HSSC-11	

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at 12 Feb 2019)
	Test Bed Platform	HSSC10/20 (Former HSSC9/18)	S-100WG to further develop and finalize the Test Bed Platform and associated guidelines to be used by developers of S-100 based products	HSSC-11	
	IHO Geospatial Information Registry	HSSC10/21	HSSC Working Group Chairs and Stakeholders to note the intention to conduct a “IHO GI Registry Workshop” in conjunction with S-100WG4 (tentatively March 2019) and encourage any members of their WG that have been involved in the activities of the Registry to attend.	S-100WG4 (March 2019)	Planned
5.2 ENC Standards Maintenance (ENCWG)					
	S-58 Ed. 6.1.0	HSSC10/22	HSSC endorsed Ed. 6.1.0 of S-58. IHO Sec. to issue a CL to IHO Member States seeking their approval on Ed. 6.1.0 of S-58 and informing on the date of entry into force (+12 months after the approval).	June 2018	Decision Done (IHO CL 38/2018 refers)
	S-58 test datasets	HSSC10/23 (Former HSSC9/21)	ENCWG to manage the technical aspects of the contract (acceptance tests, etc.) and make these datasets available.	HSSC-11	Done
	High Density Bathymetry ENCs	HSSC10/24 (Former HSSC9/22)	ENCWG to identify the individual components in S-57 (file size, etc.) that prevent ENC Producers from providing high density contour lines and propose subsequent recommendations	ENCWG-4/HSSC-11	In progress
	G-Series	HSSC10/25	HSSC Chair/IHO Sec to include in the revision process of IHO Resolution 2/2007 a proposal that would divide the Appendix 1 into two parts: * <i>Standards and Publications including...Guidance... that <u>MUST</u> follow the full process of IHO Resolution 2/2007</i> * <i>Standards and Publications including ... Guidance... that <u>CAN BE</u> developed and maintained <u>WITHOUT</u> following the full process of IHO Res 2/2007 - HSSC and IRCC decision.</i>	HSSC-11	Done (See Doc. HSSC11-04.5A)

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at 12 Feb 2019)
	IHO Resolution 2/2007	HSSC10/26	HSSC WGs and PTs' Chairs to identify the standards that need to be included in the revised Appendix of IHO Resolution 2/2007 and submit them to HSSC Chair/IHO Sec. for consideration	Dec 2018	May affect IRCC Done for NIPWG (email 21 Sep 2018)
5.3 Nautical Information Provision (NIPWG)					
	M-3	HSSC10/27	HSSC endorsed the NIPWG amendments and proposals on IHO Resolutions 7/2009, 9/1932, 4/1937, 9/1962 and 4/1982. IHO Sec. to issue a CL to IHO Member States seeking their approval of the amendments and proposals.	June 2018	Decision Done (IHO CL 39/2018 refers)
	IHO Resolution 2/2007	HSSC10/28	Based on the proposals (incl. the new Review Cycle for WG/PT Development Phase of Prod Specs) and recommendations made at HSSC10, HSSC Chair/IHO Sec to consolidate the proposed revision of IHO Resolution 2/2007.	HSSC-11 for C-3	Done (See Doc. HSSC11-04.5A)
	S-122, S-123	HSSC10/29	HSSC endorsed Ed. 1.0.0 of S-122 and S-123. IHO Sec. to issue a CL to IHO Member States seeking their approval of draft Edition 1.0.0 of S-122 and S-123.	Aug 2018	Decision Done (IHO CL 45/2018)
	E-Nav, IMO/IHO Harmonization Group on Data Modelling (HGDM), Maritime Services	HSSC10/30	IHO Sec. to develop an appropriate presentation of e-Navigation information on the IHO website incl. the place of the IMO Maritime Service Template	Oct. 2018	Postponed (due to IHO website revamp)
	E-Nav, IMO/IHO Harmonization Group on Data Modelling (HGDM), Maritime Services	HSSC10/31	HSSC WGs to provide NIPWG with the description of Maritime Services based on IMO Maritime Services Template	Sept 2018 (deadline for submission to HGDM being 16 Oct 2018)	Done

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	Maritime Services (former Maritime Services Portfolio)	HSSC10/32 (Former HSSC9/46)	NIPWG to continue the coordination, for the HSSC WGs, of the actions related to the development and the use of a high level HGDM template for Maritime Services and provide recommendations on the way forward at the next HSSC meeting	HSSC-11	Invitation provided by NIPWG 29 May 2018. Coordination completed
	Work items to be supported by Special Project Fund	HSSC10/33	NIPWG Chair to provide an updated list of work items of the proposed work plans for 2019-2020, the development of which needs to be supported by the Special Project fund, highlighting priorities and timeline.	1 June 2018	Done
	S-100-based Product Specs	HSSC10/34	IHO Sec to set up an appropriate repository where IHO Prod Specs could be stored until the Registry is ready to host them.	Oct 2018	Done (http://s100.iho.int/S100/productspecs)
	M-3, Submarine cables	HSSC10/35	As part of the preparation of the new Edition of M-3, IHO Sec. to make available the Spanish version of IHO Resolution 4/1967 (submarine cables)	June 2018	Done (M-3, March 2017 – inc. Res. 4/1967 refers)
	Data Quality Checklist implementation	HSSC10/36	HSSC agreed that the level of authority of Data Quality Checklist for Product Specifications is a recommendation, which can be adapted as necessary by WGs, <u>under the condition</u> that it will not create any potential interoperability issue. S-100WG to include this guidance in S-97.	HSSC-11	Decision In progress
	Data Quality Checklist implementation	HSSC10/37	HSSC WGs and PTs' Chairs to keep the DQWG informed <u>on the DQWG recommendations related to Data Quality that have not been taken into account</u> in the development of their Product Specifications [so the DQWG does not need to reiterate these recommendations at periodic reviews] S-100WG to include this guidance in S-97.	Permanent HSSC-11	Decision In progress

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	Description of the use and limitation of S-100 based products	HSSC10/38	NIPWG to propose a template for, or amendments to S-97 (Products Developer Guidance Document) describing the use of S-100 based products (front bridge/back bridge, ...).	Dec 2018	Done
	S-127	HSSC10/39	HSSC agreed to rename S-127 "Marine Traffic Management"		Decision
	Development of S-100 based products	HSSC10/40 (Follow-up Action HSSC9/26)	Based on Docs. HSSC10-05.3D&05.3F submitted by NIPWG , HSSC/IRCC Chairs to report to C-2 on the need for IHO Member States to initiate strategic discussions on the ways and means for an efficient implementation of S-100 based products including production and distribution.	C-2	Done (Doc. C2-4.3 refers)
	XML workshop	HSSC10/41	HSSC approved the proposal by NIPWG for an XML workshop to be held in Genoa in September 2018.		Decision
5.4 Nautical Cartography (NCWG)					
	S-4 Edition 4.8.0	HSSC10/42	HSSC endorsed the proposed revisions to S-4 Edition 4.8.0 and invited the NCWG Chair to provide a red-line version and a clean copy of draft Edition 4.8.0 to the IHO Sec. IHO Sec. to issue a CL to IHO Member States seeking their approval of draft Edition 4.8.0 of S-4.	June 2018 July 2018	Done Done (IHO CL 40/2018)
	Portrayal	HSSC10/43 (Former HSSC8/03 and HSSC9/28)	NCWG to compile portrayal requirements relating to product specifications in general as part of its programme of work, following a protocol to be distributed to the other WGs.	HSSC-11	In progress
	Nautical Accident	HSSC10/44 (Former HSSC9/31)	NCWG to consider the 3 recent investigation reports (<i>Vasco de Gama, Nova Cura, Muros</i>) by correspondence if possible, or at their next meeting, and provide recommendations as appropriate	HSSC-11	Done
5.5 Data Quality (DQWG)					

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	S-67	HSSC10/45	HSSC endorsed the proposed new title for the draft Publication S-67 as “ <i>Mariners Guide to the Accuracy of Depth Information in Electronic Navigational Charts</i> ”		Decision
	CATZOC best practices	HSSC10/46	HSSC Chair to report to IRCC on the possibility for the RHCs Members to share their best practices on the population of CATZOC values through the DQWG.	IRCC-10	Done
	Proposal for Portrayal of Bathymetry Quality in S-101	HSSC10/47 (Follow-up of HSSC9/35)	DQWG to pursue the development of the conditional visualization methodology of quality of bathymetric data in liaison with NCWG, NIPWG, ENCWG, S-101PT	HSSC-11	In progress. Comments provided by NIPWG
5.6 Project Team on Standards for Hydrographic Surveys (HSPT)					
	S-44	HSSC10/48	HSSC stressed the importance of the HSPT inter-sessional work. HSPT Members to provide inputs to the spreadsheet on S-44 identified limitations which will be a major focus at HSPT2 meeting in Niterói	1 June 2018	Decision
5.7 Tides, Water Level and Currents (TWCWG)					
	S-111	HSSC10/49	HSSC agreed to the publication timeline of S-111 Edition 1.0.0 under the conditions depicted by the IHO Secretariat for the new Review Cycle for WG/PT Development Phase of Prod Specs that were also endorsed with immediate effect		Decision
5.8 Hydrographic Dictionary (HDWG)					
	Participation in HDWG	HSSC10/50	CN and RF to consider the possibility of appointing a member to the HDWG	Sept. 2018	Done for CN
	Submissions of new terms to the Hydrographic Dictionary	HSSC10/51	HDWG to prepare a template to be used by WGs when submitting new terms to the Hydrographic Dictionary	Sept. 2018	Done
6. Inter-Organizational Bodies					
6.1 IHO-IAG Advisory Board on the Law of the Sea (ABL0S)					
7. Decisions of other bodies affecting HSSC					

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7.1 IRCC (incl. MSDIWG)					
7.2 IMO					
	Maritime Services	HSSC10/52	IHO Member States/HSSC WGs to consider greater participation at NCSR and HGDM ¹ meetings, particularly in view of the work being undertaken on Maritime Services and the S-mode (See also paragraph 7 of IHO CL 25/2018).	HGDM2 (tbc) NCSR-6 (Jan 2019, tbc)	HGDM2 (29 Oct – 02 Nov) NCSR-6 (16-25 Jan. 2019)
	IMO activities affecting HSSC	HSSC10/53 (Former HSSC9/45)	HSSC to ensure that the HGDM monitors the on-going consideration by IMO Facilitation Committee (FAL) of the single-window concept	HSSC-11	Not in the remit of HGDM. NCSR 6 agreed to invite the Facilitation Committee (FAL) to consider the Maritime Service descriptions 4 and 8 and provide comment
7.3 IALA					
7.4 IEC					
	S-63	HSSC10/54	ENCWG to develop a draft proposal for mitigation measures for cyber security, to liaise with the CIRM Cyber Risk Management WG / IEC and make an impact assessment and further investigations, so HSSC can consider the need for updating S-63.	ENCWG-4/HSSC-11	
	S-100 data authentication, quality assurance	HSSC10/55	S-100WG/DQWG to continue the development of recommendations (incl. mitigations measures) and monitoring of cyber security and quality assurance issues as reported by IEC/INTERTANKO.	HSSC-11	
7.5 CIRM					
7.6 ISO					

¹ Depending on the decisions to be made on this matter at MSC99 (from 21 May 2018).

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7.7 OGC					
7.8 ICPC					
	Cables and Deep Sea Mining	HSSC10/56 (Former HSSC8/68 and HSSC9/53)	Following proposal made to NCWG-3, ICPC to consider the possibility of participating in NCWG-4 for advocating the need to adapt S-4 charting specifications for submarine cables, taking into account deep sea mining (amendments to S-4 B-443.8).	NCWG-4 (Nov 2018)	Done
	ICPC-IHO Action Plan	HSSC10/57	IRCC (in liaison with HSSC) to consider the ICPC-IHO Proposed Roadmap (see Doc. HSSC10-07.8A) and the development of MoU Objectives to RHCs and HOs.	IRCC-10/HSSC-11	
	GEBCO Seabed 2030	HSSC10/58	HSSC/IRCC to consider the comments made by ICPC on the GEBCO Seabed 2030 Roadmap (see Doc. HSSC10-07.8B)	HSSC-11/IRCC-10	
	GEBCO Seabed 2030	HSSC10/59	HSSC noted that ICPC supports the goals of Seabed 2030.		Decision
7.9 DGIWG and NATO GMWG					
	DGIWG and NATO GMWG activities affecting HSSC	HSSC10/60 (Former HSSC9/56)	HSSC thanked UK for the offer for a liaison officer with DGWIG and NATO GMWG for matters affecting HSSC (development of AML S-501 to S-525 Product Specifications in particular)	HSSC-11	
8. Review of new developments and other information papers					
9. Liaison with External Stakeholders					

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	IHO / ECDIS Stakeholders's Forum	HSSC10/61 (Former HSSC9/57)	IHO Sec. to make a proposal at HSSC-11 for an IHO / ECDIS Stakeholder's Forum to be held in 2020.	HSSC-11	See also action C2/29
	List of Stakeholders's Events	HSSC10/62	HSSC agreed to discontinue the maintenance of the list of stakeholders's events in this current form and to incorporate these events in the IHO Calendar		Decision
	IHO Stakeholders's Forum	HSSC10/63	NIPWG Chair agreed to arrange an IHO Stakeholders' Forum at NIPWG-6 (Tuesday 15 January 2019) that will cover the theme (Digital Nautical Publications) as proposed by IEC.	NIPWG-6, January 2019	Complete
10. Review and Endorsement of HSSC Work Plan and List of Actions					
	Work Programme	HSSC10/64	HSSC approved the amendments proposed by the HSSC WGs and PTs' Chairs to their Work Plans. IHO Sec. to prepare a consolidated version of the HSSC Work Plan accordingly	Aug 2018	Decision Delayed
11. Any other business					
12. Date & Location of the next meetings					
	HSSC-11 HSSC-12 HSSC-13	HSSC10/65	HSSC welcomed the confirmation from South Africa for hosting HSSC-11 (Cape Town, 6-9 May 2019) and UK for hosting HSSC-12 (Taunton, May 2020) as well as Indonesia for hosting HSSC-13 (May 2021).		Decision