

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 24 Apr 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 2 April 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	Liaison in progress with IEC
	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 24 Apr 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). Ed. 2.0.0 proposed for endorsement of at HSSC-11
	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	Complete. UKCM Domain removed from m the FCD. All info in the Hydro Domain.
	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

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at 24 Apr 2019)
	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	
	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)	Done
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 ENC's	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 ENCWG Report to HSSC-11 refers

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	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 - <u>HSSC and IRCC decision.</u></i>	HSSC-11	Done (See Doc. HSSC11-04.5A)
	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). To be discussed at HSSC-11 , under agenda item 4.5
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)

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at 24 Apr 2019)
	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
	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)

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	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 Done (Part C)
	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 Done
	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)					

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	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)					
	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 (Doc. HSSC11-05.5B refers)
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

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at 24 Apr 2019)
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					
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)

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

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	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	In progress
	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	Discussed at DQWG-14
7.5 CIRM					
7.6 ISO					
7.7 OGC					
7.8 ICPC					

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	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					
	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					

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	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 See Doc HSSC11-10A
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