

3rd ENCWG Meeting
Wollongong, AUSTRALIA (16 – 18 April 2018)
DECISIONS & ACTIONS ARISING FROM HSSC-9

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AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at 18 December 2017)
1. Opening and Administrative Arrangements					
	Contact List	HSSC9/01	IHO Member States and Stakeholders to provide the IHO Sec. with their updates to the HSSC List of Contacts.	Permanent	Last update 1 Nov 2017
2. Approval of Agenda					
	Agenda and Timetable for HSSC-9	HSSC9/02	HSSC approved the agenda and associated timetable.		<u>Decision</u>
3. Matters arising from Minutes of 8th HSSC Meeting					
	E-navigation implementation	HSSC9/03 (Former HSSC8/05)	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-10	
	S-101&IMO Performance Standards	HSSC9/04 (Former HSSC8/19)	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-10	
	Equivalent T&Ps for ENCs	HSSC9/62 (Former HSSC8/28)	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-10	
4. HSSC Administration					
	Decisions from the IHO Council (C-1) affecting HSSC	HSSC9/05	IHO Sec. in liaison with HSSC Chair Group to draft proposed amendments to HSSC TORs as instructed by C1 (Action C1/05 refers)	HSSC-10	
	Election of HSSC Chair and Vice-Chair	HSSC9/06	HSSC agreed on the voting procedure for the election of Chair and Vice-Chair		<u>Decision</u>
5. Reports by HSSC Working Groups					

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5.1 S-100 (S-100WG)					
	Report and Recommendations of S-100WG	HSSC9/07	HSSC approved the proposed publication cycle of S-100 (Ed. 4.0.0 in 2019, 2 years cycle, then 3 years cycle).		Decision
	Interoperability	HSSC9/08	HSSC assigned S-98 to the S-100 Interoperability Specification for Navigation Systems S-100WG to consider how to incorporate generic interoperability into future editions of S-100	HSSC-11	Decision
	S-99	HSSC9/09	IHO Sec. agreed to resource the maintenance of S-99 - <i>Operational Procedures for the Organization and Management of the S-100 GI Registry</i> – noting that the oversight remains under the S-100WG umbrella		Decision
	S-101/S-100	HSSC9/10	HSSC agreed to use the IHO Special Project funds to build the first iteration of the S-101 portrayal catalogue and potential fixes and enhancements to the Portrayal Catalogue Builder		Decision
	IHO S-100 webpage	HSSC9/11	IHO Sec. to revamp the S-100 page of the IHO website to include a repository for different product specifications under development		Done
	S-101	HSSC9/12	HSSC welcomed the nomination of Mr Al Amstrong (US) as S-101 Project Team Lead		Decision
	S-121	HSSC9/13	S-100WG/S-121PT to submit Ed. 1.0.0 of S-121 for endorsement by HSSC	HSSC-10 (- 7 weeks = 26 March 2018)	
	ECDIS Display	HSSC9/14	HSSC welcomed the establishment of the “transversal” ENC Display SubWG under the ENCWG , to concentrate on the improvement of ENC display.		Decision
	IALA Marine Resource Identifier	HSSC9/15	HSSC approved the adoption the IALA Marine Resource Identifier concept IHO Sec. to register to the um:mm:iho domain and S100WG to establish a management process for the namespace once it has been registered	Dec. 2017 HSSC-10	Decision

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	Data Validation	HSSC9/16	HSSC agreed on the proposal made to consider the systematic development of validation checks within every S-10x Product Specification. S-100WG/DQWG to consider at their next meeting how the development of a “minimum” standard for data validation in S-1xx based products, can be handled, and report back at HSSC	HSSC-10	Decision
	Test Bed Platform	HSSC9/17	HSSC endorsed the Test Bed Platform as the mechanism to be used by developers of S-100 based Product Specification for the IHO and other interested domain owners.		Decision
	Test Bed Platform	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	
5.2 ENC Standards Maintenance (ENCWG)					
	End-users perspective on ENC and ECDIS	HSSC9/19	ENCWG to address the issues raised by INTERTANKO in its paper submitted to HSSC-9 and provide HSSC/IHO Sec. with appropriate comments for further consideration by HSSC WGs and PTs if appropriate IHO Sec , then to provide INTERTANKO with a consolidated response on the issues raised in its submission paper	Feb.2018 March 2018	
	S-58 test datasets	HSSC9/20	HSSC approved the funding request to create S-58 ENC datasets to support validation test for critical errors only.		Decision
	S-58 test datasets	HSSC9/21	ENCWG to manage the technical aspects of the contract (acceptance tests, etc.) and make these datasets available.	March 2018	
	High Density Bathymetry ENC's	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-3	

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	High Density Bathymetry ENC's	HSSC9/23	In the IHO CL reporting on the outcome of HSSC-9, IHO Sec. to invite IHO MS to include more contour lines in their ENC's, as appropriate	Dec. 2017	
5.3 Nautical Information Provision (NIPWG)					
	Report and Recommendations of NIPWG	HSSC9/24	NIPWG to provide draft Ed. 1.0.0 of S-122 and S-123 (incl. impact assessment results) for endorsement by HSSC	HSSC-10	
	Request of financial support to outsource S-127 completion	HSSC9/25	HSSC endorsed the request for funding the S-127 Product Specification		Decision
	S-100-based products services	HSSC9/26	NIPWG to submit a paper addressing the issue of delivering new S-100 based products and services (production, quality control, carriage requirements...)	HSSC-10	
	IHO Resolution 2/2007	HSSC9/27	S-100WG/NIPWG in consultation with other HSSC WGs Chairs and IHO Sec. to further develop amendments to IHO Resolution 2/2007 in accordance with Decision A1/12 (guidance for impact assessment) and Action C1/05 (endorsement/approval procedure of standards listed in Appendix for instance)	HSSC-10 (1st step), HSSC-11 (2nd step)	
5.4 Nautical Cartography (NCWG)					
	Portrayal	HSSC9/28 (Former HSSC8/03)	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-10	
	NCWG TORs	HSSC9/29	HSSC approved the amendments of the NCWG TORs as proposed by the NCWG		Decision
	NCWG TORs	HSSC9/30	IHO Sec. to upload the NCWG TORs as proposed by the NCWG and approved by HSSC	Dec. 2017	

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	Nautical Accident	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-10/-11	
5.5 Data Quality (DQWG)					
	Report and Recommendations of DQWG	HSSC9/32	HSSC agreed on the continuity of the activities of the DQWG		Decision
	Proposal for new DQWG TORs	HSSC9/33	HSSC approved the new DQWG TORs as proposed by the DQWG and amended during HSSC-9		Decision
	Proposal for new DQWG TORs	HSSC9/34	IHO Sec. to upload the new DQWG TORs accordingly	Dec. 2017	
	Proposal for Portrayal of Bathymetry Quality in S-101	HSSC9/35	HSSC endorsed the proposal made by the DQWG to further develop the conditional visualization methodology of quality of bathymetric data in liaison with NCWG, NIPWG, ENCWG, S-101PT		Decision
	Proposal for a New Publication - Mariners' Guide to Accuracy and Reliability of ENC	HSSC9/36	NIPWG, NCWG, ENCWG, HSPT to provide their initial comments on the draft Publication S-67 to the DQWG Chair DQWG to further submit Ed.1.0.0 of S-67 for endorsement by HSSC and to consider a video version of S-67 when approved by MS.	12 January 2018 for DQWG-13 HSSC-10	
5.6 Project Team on Standards for Hydrographic Surveys (HSPT)					
	Report and Recommendations of HSPT	HSSC9/37	HSSC encouraged the HSPT to continue its work following the course of actions submitted at HSSC-9, with the view of submitting a draft 6 th Edition of S-44 for endorsement in 2019-20.	HSSC-10 (progress report) HSSC-11/-12	Decision
5.7 Tides, Water Level and Currents (TWCWG)					
	Report and Recommendations of TWCWG	HSSC9/38	HSSC noted that development of S-112 - <i>Dynamic Water Level Data Transfer</i> – is no longer required as the functionality will be in S-104 – <i>Water Levels</i> - and agreed to reassign the S-112 identifier to another product specification as appropriate		Decision

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5.8 Hydrographic Dictionary (HDWG)					
	HDWG TORs	HSSC9/39	HSSC approved the amendments to the HDWG TORs as proposed by the HDWG		Decision
	HDWG TORs	HSSC9/40	IHO Sec. to upload the new HDWG TORs accordingly		Decision
	Participation in HDWG	HSSC9/41	IHO Sec. to invite IHO Member States to appoint new active members to the HDWG	Jan. 2018	
6. Inter-Organizational Bodies					
6.1 IHO-IAG Advisory Board on the Law of the Sea (ABLOS)					
7. Decisions of other bodies affecting HSSC					
7.1 IRCC (incl. MSDIWG)					
	IRCC activities (including MSDI) affecting HSSC	HSSC9/42	HSSC Members invited to provide their responses to IHO CL 49/2017 on the draft publication B-12 - <i>Guidance Document on Crowdsourced Bathymetry</i> -	24 Nov 2017	
	S-124	HSSC9/43	HSSC invited IHO MS to consider the possibility of nominating a new S-124 Correspondence Group Leader		Done
	S-124	HSSC9/44	S-124CG to reinvigorate the liaison with S-100WG and NIPWG	NIPWG-5, S-100WG-3	
7.2 IMO					
	IMO activities affecting HSSC	HSSC9/45	HSSC to ensure that the HGDM monitors the on-going consideration by IMO Facilitation Committee (FAL) of the single-window concept	HSSC-10	
	Maritime Services (former Maritime Service Portfolio)	HSSC9/46	NIPWG to coordinate for the HSSC WGs, 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	NIPWG-5, HSSC-10	
	Cyber security	HSSC9/47	HSSC tasked the S-100WG/ENCWG to continue monitoring the development of guidance on cyber security and advise on appropriate actions in relation with the development of the S-100 data protection scheme	HSSC-10	
7.3 IALA					
7.4 IEC					

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	IEC activities affecting HSSC	HSSC9/48	IEC to consider the possibility of presenting the typical timetable to develop a new major revision of ECDIS at the next S-100WG meeting	S-100WG-3	
	IEC TC80 Product Specifications	HSSC9/49	HSSC allocated S-421 to S-430 as IEC TC80 product specification identifiers (Route Plan, ...)		Decision
7.5 CIRM					
7.6 Inland ENC Harmonization Group (IEHG)					
	Bathymetric Inland ENC	HSSC9/50	HSSC allocated S-402 to the Bathymetric Inland ENC		Decision
7.7 ISO					
7.8 OGC					
	OGC activities affecting HSSC	HSSC9/51	HSSC encouraged IHO MS to participate in the OGC Marine Domain WG		
	OGC activities affecting HSSC	HSSC9/52	HSSC encouraged regional IHO MS participation in OGC TC meetings either in person or via web conference		
7.9 IOGP					
7.10 JCOMM					
7.11 RTCM					
7.12 ICPC					
	Cables and Deep Sea Mining	HSSC9/53 (Former HSSC8/68)	ICPC IHO Working Group (former Focus Group) to resubmit a proposal to NCWG for adapting S-4 charting specifications for submarine cables taking into account deep sea mining (amendments to S-4 B-443.8).	Sept. 2018 for NCWG-4	
	GEBCO 2030	HSSC9/54 (Former HSSC8/69)	ICPC/IHO Working Group invited to comment on the GEBCO roadmap for “Seabed 2030” (seabed2030.gebco.net/).	Jan 2018	
	ICPC-IHO Action Plan	HSSC9/55.1 (Former HSSC8/70)	ICPC IHO Working Group to consider in liaison with the IHO Sec. the development of a roadmap.	HSSC-10	
	Crowd sourcing	HSSC9/55.2	ICPC to report on the progress made on the development of crowd sourcing policies and data release.	HSSC-10/IRCC-10	

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7.13 DGIWG and NATO GMWG					
	DGIWG and NATO GMWG activities affecting HSSC	HSSC9/56	HSSC Members to report to the IHO Sec. on the possibility of designating 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-10	
8. Review of new developments and other information papers					
9. Liaison with External Stakeholders					
	ECDIS Stakeholders's Forum	HSSC9/57	HSSC will consider at HSSC-10 the need and possibility of arranging an ECDIS Stakeholder's Forum in 2019 or later.	HSSC-10	
10. Review and Endorsement of HSSC Work Plan and List of Actions					
	Status report on IHO Publications on Standards, Specification and Guidelines	HSSC9/58	IHO Sec. to report on the availability of the Spanish version of M-3 (updated until June 2017)	Dec. 2017	
	Guidelines and Guidance IHO Documents	HSSC9/59	S-100WG/ENCWG to submit a proposal opening the possibility of establishing G-series in the list of IHO Publications, for guidelines, and guidance documents.	HSSC-10	
	Status of IHO Publications	HSSC9/60 (Former HSSC8/75)	IHO Member States to provide their additional requirements, if any, and contributions for translation in French and/or Spanish of IHO Publications (Doc. HSSC9-10A refers).	Permanent	
11. Any other business					
12. Date & Location of the next meetings					
	HSSC-10 HSSC-11 HSSC-12	HSSC9/61	HSSC welcomed the confirmation from Germany for hosting HSSC-10 (Rostock, May 2018) and South Africa for hosting HSSC-11 (Cape Town, May 2019) as well as the UK provisional offer for hosting HSSC-12 (May 2020).		Decision