LIST OF DECISIONS & ACTIONS ARISING FROM HSSC-13

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AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at 6 May 2021)
1.	**Opening and Administrative Arrangements**				
	Contact List	HSSC13/01	**IHO Member States** and **Stakeholders** to provide the IHO Sec. with their updates to the HSSC List of Contacts.	**Permanent**	Last update 7 May 2021
	Attendance	HSSC13/02	**HSSC Members** to consider the possibility of limiting the number of their delegates at HSSC face-to-face 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 announcing the meeting. In the case of remote events, additional attendance in the limits of the web platforms is encouraged.	**Permanent**	
2.	**Approval of Agenda**				
	Agenda and Timetable	HSSC13/03	**HSSC** approved the agenda and associated timetable.		Decision
3.	**Matters arising from Minutes of 12th HSSC Meeting**				
	S100 Viewer	HSSC3/04 (former HSSC12/19B)	**HSSC** noted the release of KHOA S-100 Viewer and the correspondence group under TSM/S-100WG to discuss S-1OOP (S-100 Open Online Platform) open source strategy.	**HSSC-14**	IHO CL 12/2021 refers

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at 6 May 2021)
5.1	Revision of IHO Resolutions following the introduction of S-100	HSSC13/05 (former HSSC12/20)	**HSSC** agreed that the revision of some IHO Resolutions is an important driver for the effective implementation of the S-100 concept and supported the revised proposals made in Doc. HSSC12-05.1H in general, in relation to A2 PRO 2.3 submitted by the ROK		Decision
			HSSC Chair to include in his updated report to A-2 that "*A-2 is invited to task the HSSC to review the IHO Resolutions with regard to PRO 2.3*".	**A-2**	Done
			When the operational implementation of the S100 concept becomes mature enough, proposed amendments to the Resolutions eventually complemented by other new Resolutions (such as WEND100) will be submitted to the Council for endorsement as appropriate, and for subsequent approval by Member Statutes.		Some proposals to be considered for HSSC14 (as WEND-100 Principles should be adopted).
			Noting A-2/PRO2.3, **HSSC WGs/IHO Secretariat** to review M-3 and submit proposed amendments at the next HSSC meeting, as appropriate.	**HSSC-14**	
	Future of the Paper Chart	HSSC13/06 (former HSSC12/40)	**HSSC Chair** to include some recommendations in his report to **IRCC** (for the RHCs) based on the proposals made by NCWG from the report on the Future of the Nautical Paper Chart on the INT chart concept and ENC Schemes (Registration of ENC Schemes, ENC Producing Agencies, IHO Resolution 7/1919, compliance with S-4 for printed charts or re-print, coordinated maintenance procedures if needed).	**IRCC-13**	

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at 6 May 2021)
4.	**HSSC Administration**				
4.1	Outcome of A-2 and C-4	HSSC13/07	HSSC agreed on the proposed way forward to address decisions and actions from A2 and C4.		Decision
4.2	Maintenance of roadmap for S-100 implementation decade	HSSC13/08 (former HSSC12/05, HSSC11/09)	When the S-100 Implementation Strategy is finalized as an official IHO document, **S-100WG** to consider submitting a proposal by which this Strategy (Annex 2 to Roadmap in fact) supersedes the S-100 Master Plan. In addition to the relevant updates to be made to the main text of the S-100 Implementation Strategy.	**HSSC-14**	
4.2	Maintenance of roadmap for S-100 implementation decade	HSSC13/09	**HSSC Chair** in liaison with **SG, Council's and IRCC's Chairs** to submit a proposal with the following proposed amendments to the Roadmap: - Annex 2 to be added related to Programme 2 including List of Products covered by S-98 and S-1xx Gantt diagram/timeline and Architectural Display maintained by NIPWG Synoptic diagram of transition S-57 to S-101 + Dual-Fuel Concept to be covered in the HSSC Chair presentation to C-5. **HSSC Chair** to include this proposal in his report to C-5.	**July 2021 (for C-5)**	
4.2	Maintenance of roadmap for S-100 implementation decade	HSSC13/10	**IHO Secretariat**, in liaison with **S-100WG Chair**, to develop a more friendly-user version of the Gantt to ease the maintenance.	**C-5/HSSC-14**	
4.2, 5.3	Maintenance of roadmap for S-100 implementation decade	HSSC13/11	**HSSC Chair** to take note of the proposal from **NIPWG** to ensure that the description and maintenance of Maritime Services in context of e-navigation become part of the S-100 roadmap.	**C-5**	

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at 6 May 2021)
4.3, 5.3	SPIs	HSSC13/12	**HSSC** agreed on the metrics and targets for the SPIs of the Strategic Plan 2021-2026 allocated to HSSC (see Doc. HSSC13-04.3A). **HSSC WGs,** as appropriate, to provide **HSSC Chair/Secretariat** with their initial values (Jan 2021) and targets 2026 for each SPI they are involved in. With **NIPWG** comments on S-122, S-127, S-128 and S-131 (Section SPIs in Doc. HSSC13-05.3A refers) duly acknowledged, **HSSC Chair** to include recommendations and provisional SPIs values in his report to C-5. This should include explanations on the target values (60% versus 100% for instance for SPI 1.1.2) and clarification on definitions adopted for "operational".	**30 June** **19 July 2021**	Decision
4.3	SPIs	HSSC13/13	**HSSC** tasked the **HSWG** to consider the possibility of measuring and assessing automatically respectively the number and the typology of downloads of Ed. 6.0.0 of S-44. **HSSC Chair** to include the outcome of the discussion on SPI 2.2.2 (*Number of new applications of the new version of Standards for Hydrographic Surveys (S-44)* in the report to C-5.	**End of June 2021** **C-5**	

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at 6 May 2021)
4.4	Joint IHO-Singapore Innovation and Technology Laboratory	HSSC13/14	**HSSC** noted the status report on the establishment of the Lab, the general strategy and governance procedure, as well as the proposed way forward to be submitted to C-5. Following Action C4/06, **HSSC Chair** to include recommendations and proposed themes to be possibly considered by the IHO-SGP Lab in his report to C-5.	**19 July 2021**	Decision
4.5	S-130 PT	HSSC13/15	**HSSC** endorsed the requirement for a Project Team under HSSC with the proposed objectives aiming to develop an S-130 Product Specification as dataset model for the subsequent production of the authoritative S-130 Dataset and agreed **HSSC Members** to review the proposed TORs and ROPs and provide their comments to IHO Secretariat. **IHO Secretariat** to call for Membership and Office Bearers through IHO CL.	**15 May 2021** **15 June 2021**	Decision Comments received from China
5.	**Reports by HSSC Working Groups**				
5.1	**S-100 (S-100WG)**				

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at 6 May 2021)
5.1A	S-100 Ed.5.0.0	HSSC13/16 (former HSSC12/07)	**HSSC** noted the finalization plan for the publication of S-100 Edition 5.0.0 (scheduled Sep. 2022)… …while tasked the **HSSC WGs** to consider aligning all product specifications and as a priority the following product specifications to Edition 5.0.0 by 2023 (S-101, S-102, S-104, S-111, S-122, S-123, S-124[1], S-129) and the need for any other S-100 based products out of the IHO remit (such as S-411 - *Ice information*)[2] that are considered valuable to the S-100 Implementation Plan and advise accordingly.	**HSSC-14**	Decision
5.1A	S-100 Ed.5.0.0	HSSC13/17 (former HSSC12/08	**WGs** developing S-1xx product specifications to estimate the possible associated costs needed to support this alignment, and report to the **HSSC and S-100WG Chair/HSSC Secretariat** in order to set up priorities.	**HSSC-14**	

[1] Subject to confirmation by IRCC.
[2] S-100WG/IHO Secretariat.

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at 6 May 2021)
5.1A, 5.3A	S-100 Ed.5.0.0 S-164 - Funding	HSSC13/18	**HSSC** noted the request from the **S-100WG and NIPWG** to allocate: - 15 k€ Euros to assist in updating the UML models for S-100 Edition 5.0.0 and S-101. - 50-80 k€ of the IHO Special Project Fund to support phase 2 of S-164 development. - 15 k€ for drafting the Dual-Fuel Concept Governance document. - 2 x 8 k€ for contracting improvements of S-122 and S-123 product specs. **IHO Secretariat** to consider this request in the preparation of Budget 2022 once the detailed statements of work are received from proposers.	**September 2021**	
5.1A	S-98	HSSC13/19	**HSSC** noted the progress made in the development of Ed. 1.0.0 of S-98 and the target date for endorsement (May 2022).	**HSSC-14**	
5.1A	S-102	HSSC13/20	**HSSC** tasked the **S-100 WG/S-102 PT** to submit a formal proposal to their next S-100WG meeting with regard to the proposed "de-scoping" issue of S-102 to focus on high resolution bathymetry for navigation systems and on the numbering of Ed. of S-102… …and then **S-100WG** to report on these issues (including impact study) to HSSC at their earliest convenience, at the next HSSC meeting at the latest.	**Asap³** **Asap/HSSC-14**	

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³ Asap : as soon as possible.

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at 6 May 2021)
5.1A	S-129	HSSC13/21	**HSSC** noted the progress made in the development of S-129 and the expected planning for the availability of Ed. 2.0.0 of the PS in 2023. **S-100WG** to submit a proposal for endorsement of Ed 2.0.0 at the next HSSC meeting.	**HSSC-14**	
5.1A	S-121	HSSC13/22 (former HSSC12/14)	**HSSC** encouraged the S-121PT, under the management of the **S-100WG Chair**, to pursue the development of Ed. 1.1.0 of S-121 in accordance with HSSC Rules of Procedures and IHO Resolution 2/2007 (submission to S-100WG, then HSSC for endorsement.	**HSSC-14**	
		HSSC13/23	*Left blank intentionally*		
5.1B	IHO GI Registry	HSSC13/24	**HSSC** noted the main achievements on the IHO Geospatial Information Registry, and encouraged: - to complete the Registry User Guidelines (S-99 Annex A); - to consider the possibility of arranging a 2nd Educational Workshop; - Developers of Product Specifications to register their items if not already done.	**HSSC-14**	
5.1C	S-101	HSSC13/25 (former HSSC12/16)	**HSSC** agreed on the way forward for the development of Ed. 1.1.0 of S-101 to align with S-100 Ed. 5.0.0.	**HSSC-14 / Autumn 2022**	
5.1C	Dual Fuel Concept	HSSC13/26 (former HSSC12/18)	**HSSC** tasked **S-100WG/S-101PT** to liaise with Stakeholders (OEM, etc.) and invite **IHO MS** to contribute in the development of a governance document that formalizes the guiding principles of DF-Concept for incorporation into the S-100 Implementation Roadmap.	**HSSC-14**	Decision

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at 6 May 2021)
5.1F	SENC	HSSC13/27	**S-100WG** to consider the SENC delivery issues raised by France, add this work item in its work plan and report at the next meeting.	**HSSC-14**	
5.1C	Dual Fuel Concept	HSSC13/28	**HSSC** noted the achievements made by the S-101 PT so far as well as their concerns due to the lack of understanding and clarity of the Dual Fuel Concept and its consequences.		
5.1C	Dual Fuel Concept	HSSC13/29	**HSSC Chair** (in liaison with S-100WG, S-101PT and ENCWG Chairs** to prepare a specific Annex to the report to C-5 (as an outcome of HSSC-13) to provide clarity to IHO Council Members as well as the available strategic options to move forward.	**19 July 2021 (for C-5)**	
5.2	**ENC Standards Maintenance (ENCWG)**				
5.2	S-57 to S-101	HSSC13/30	**HSSC** noted the achievements made by ENCWG by correspondence despite the pandemic, the development of guidelines for HOs for the conversion from S-57 to S-101 in particular. **HSSC Chair** to consider reporting on the development of these guidelines in his report to C-5	**HSSC-14** **C-5**	
5.2	S-63	HSSC13/31 (former HSSC12/22)	**HSSC** agreed on the proposal from the **ENCWG** to go ahead with option 1 (See Doc. HSSC13-05.2B): "*No changes to IHO standards, create a new IHO ECDIS Cyber Security Guideline*" to manage risk when using ENC data. No new Edition of S-63	**HSSC-14**	Decision
5.2	S-58	HSSC13/32	**ENCWG** to pursue the development of Edition 7.0.0 of S-58 for submission at the next meeting.	**HSSC-14**	

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at 6 May 2021)
5.2	Mariner Information Papers	HSSC13/33 (former HSSC12/25)	In order to ensure proper maintenance of documents, **HSSC** tasked the **ENCWG** to consider existing publications in force (S-66, S-67, etc.), or new publications, to incorporate relevant information from ENCWG Mariner Information Papers as part of its programme of work.	**HSSC-14**	
5.2	Conversion S-57 to S-101	HSSC13/34	**HSSC** noted the **ENCWG's** proposal for the Joint IHO-Singapore Lab to consider testing the automated conversion of S-57 to S-101. To be considered when the Board is commissioned.	**HSSC-14**	
5.3	**Nautical Information Provision (NIPWG)**				
5.3	S-100 System Architecture, IMO's Maritime Services	HSSC13/35	Noting different expectations, **HSSC** welcomed the offer made by **NIPWG** in liaison with **S-100WG** to complement the S-100 System Architecture by a submission paper addressing the what/how/when the S-100 based products should work together in a future S-100 ECDIS environment.	**HSSC-14**	
5.3	S-131	HSSC13/36	**HSSC** agreed on the way forward proposed by **NIPWG** to consider the possibility of setting up a digital infrastructure to collect S-131 compliant Harbour Information. **NIPWG** to provide the necessary data elements description. **HSSC/IHO Secretariat** to consider the most suitable options for establishing this IHO infrastructure (IHO GIS Infrastructure within which S-131 database is managed). Possible project to be considered by Joint IHO-SG Lab for experimentation.	 **HSSC-14** **HSSC-14/-15**	Decision

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at 6 May 2021)
5.3	Maritime Services, e-navigation	HSSC13/37 (former HSSC12/32, HSSC11/36)	**HSSC** tasked the responsible **HSSC WGs** [and will invite also the **IRCC/WWNWS-SC**] to review the initial descriptions of "*Maritime Services in context of e-navigation*" under their remit and to provide them to **NIPWG** for further action if appropriate. **NIPWG** to send reminders as appropriate.	**Permanent** **Deadline to be confirmed by NIPWG**	
5.3	Maritime Services, e-navigation	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**	
5.3	NtM XML	HSSC13/39	**HSSC** noted the intention by NIPWG to close the NtM XML workshop topic and to re-open it if it becomes necessary**.**		Decision
5.3	Scale Dependent (SD)/Scale Independent (SI)	HSSC13/40	After having considered an IALA outline paper describing how S-201, S-124, S-125 may work together, **HSSC** tasked **NIPWG** to provide a paper discussing SD/SI data handling aspects.	**HSSC-14**	
5.3	S-100 Whole Picture	HSSC13/41	**HSSC** welcomed the offer by **NIPWG** to develop an outline paper, in liaison with **S-100WG**, describing the whole S100 picture in close cooperation with stakeholders, inside and outside the IHO community and with IMO in particular.	**HSSC-14**	
5.3	Acknowledgments	HSSC13/42	Following **NIPWG** analysis, **HSSC** agreed that the provision of acknowledgments on IHO publications is on editing IHO bodies' discretion.		Decision
5.4 **Nautical Cartography (NCWG)**					

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at 6 May 2021)
5.4	From S-101 to Paper Chart	HSSC13/43	**HSSC** welcomed the establishment of a Baseline Symbology Project Team (led by CA) under the **NCWG** aiming to support the automated production of paper charts from S-101 data and requested to provide a project plan asap.	**Asap after NCWG-7**	
5.4	S-124	HSSC13/44	**HSSC** reminded the NCWG to address the portrayal issues on S-124.	**End of August 2021**	
5.3, 5.4	NtMs versus subscription service	HSSC13/45 (former HSSC12/35)	**HSSC** tasked **NCWG** (following **NIPWG** initial assessment provided at HSSC12) to consider the proposal made on subscription based services to provide updates to navigational products.	**HSSC-14**	
5.4	S-4 Ed. 4.9.0	HSSC13/46	**HSSC** noted the adoption of Ed. 4.9.0 by IHO Member States (IHO CL 11/2021 refers). **IHO Secretariat** to publish the new Edition as soon as the authoritative English version is available.	**7 May 2021**	Complete
5.4B	Future of the Nautical Paper Chart	HSSC13/47	**HSSC** noted the report by NCWG on the implementation of the recommendations on the Future of the Nautical Paper Chart endorsed by A-2/C-4. **HSSC Chair** to update C-5 on this implementation process.	**C-5**	
5.5 Data Quality (DQWG)					
5.5A	S-67	HSSC13/48 (former HSSC12/46)	**HSSC** welcomed the availability of the Spanish version of S-67 and invited Member States, to consider the possibility of translation of S-67 Ed.1.0.0.	**HSSC-14**	Spanish version available, French and Chinese versions in progress

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at 6 May 2021)
5.5A	Data Quality in existing S-57 ENCs	HSSC13/49 (former HSSC12/49)	**HSSC** encouraged **Member States** to start populating appropriate POSACC / SOUACC values in existing S-57 ENCs for relevant spatial objects in preparation of conversion to S-101 (iaw UOC 2.2).	**Permanent**	
5.5A	Guidelines from Survey to CATZOC	HSSC13/50	**DQWG** to report on the progress in the development of Guidelines and Recommendations to HOs based on best practices to allocate CATZOC values (or S-101 ZOC values) from survey data qualified in application of the new Ed. 6.0 of S-44 - IHO Standards for Hydrographic Surveys. Liaison with other WGs/PTs needed before submission to HSSC.	**HSSC-14**	
5.5A	Support to Crowdsourced Bathymetry	HSSC13/51	**HSSC** noted and encouraged the support (in progress) following a request from the CSBWG to the DQWG.		Decision

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at 6 May 2021)
5.5B	Application of ISO 9001 Principles	HSSC13/52	**HSSC** agreed on the proposed recommendations to apply some ISO 9001 Principles in the development of Ed. 2.0.0 of S-101 ProdSpec.		Decision
			HSSC endorsed the principle of continuing the experiment with the setup of an organisation: the "**HSSC ISO 9001 Cell**" and with "Project Control Officers (**PCO**)" as suggested by the HSSC Vice Chair, DQWG and S-100WG/S-101PT. **HSSC Vice Chair** agreed to be designated as PCO for general activities related to the application of ISO 9001 principles. The **S-101 PT Vice-Chair** agreed to act as PCO in the cell.		Decision
			HSSC ISO9001 Cell/S-101 PT to design and maintain a Gantt diagram for experimentation and risk management purposes.	**HSSC-14**	
			HSSC Chair to report to C-5	**C-5**	
5.6	**Hydrographic Surveys Working Group (HSWG)**				
5.6	HSWG	HSSC13/53	**HSSC** welcomed the recent establishment of the **HSWG**, the initial report and proposed programme of work with the following change in item 8 of the WP to include "*scientific and academic*" in addition to industry.		Decision

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at 6 May 2021)
5.6	HSWG Work Plan	HSSC13/54 (former HSSC12/52)	**HSSC** invited the HSWG to maintain their proposed work plan in line with the IHO Strategic Objectives and the approved IHO Work Programme, and to include in this work plan: - the possibility of arranging webinar(s) in 2021 on implementation guidance - the creation of a collaborative discussion space as proposed by FR, UK and US (data processing, QA, common practices, automation, etc.).	**HSSC-14**	
		HSSC13/55	*Left blank intentionally*		
5.6	S-44 Ed. 6.0.0	HSSC13/56 (former HSSC12/53)	**HSSC** invited Member States, to consider the possibility of translation of S-44 Ed.6.0.0.	**HSSC-14**	French version available
5.6	HSWG TORs	HSSC13/57	Following a proposal from the HSWG to act as focal group for user and industry experience of individual hydrographic accreditation/certification to collate feedback to IBSC, **HSSC** confirmed that this role was not in the approved HSWG TORs, and the HSWG Work Programme was already extensive. If appropriate, **HSWG** to report at the next HSSC meeting whether HSWG considers there is a need to amend its HSWG TORs to establish and support IBSC in the future as a permanent task.	**HSSC-14/-15**	
5.7	**Tides, Water Level and Currents (TWCWG)**				
5.7	S-111	HSSC13/58	**HSSC** noted the work in progress for S-111 (Ed. 1.1.1).		

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at 6 May 2021)
5.7	S-104	HSSC13/59	**TWCWG** to submit draft Ed. 1.0.0 of S-104 for further endorsement by correspondence by **HSSC Members**. Subsequently, **HSSC CL** to be issued for endorsement of S-104 Ed.1.0.0 by correspondence.	**End of August 2021**	
5.7	M-3 IHO Resolutions	HSSC13/60	When ready, **TWCWG** to submit proposed amendments to IHO Resolutions to **HSSC Chair/Secretariat** for subsequent circulation to **HSSC Members** for endorsement, and then approval by **IHO Member States** by IHO CL.	**End of June 2021 and/or HSSC-14**	
5.8	**Hydrographic Dictionary (HDWG)**				
5.8	HDWG-3, 2021	HSSC13/61 (former HSSC12/59)	**HSSC** supports the principle of a face-to-face meeting in 2021.		Decision
5.8	Hydrographic Dictionary, Encyclopaedic Structure	HSSC13/62 (former HSSC12/60)	**HSSC** confirmed the principle of maintaining the Hydrographic Dictionary in its present encyclopaedic structure rather than downgrading it to a simpler glossary.		Decision
5.8	HD and Registry	HSSC13/63	**HSSC** encouraged continuation of the testing effort of the S-32 IHO Hydrographic Dictionary database with the IHO GI Registry through the Concept Registry Domain Control Body.	**HSSC-14**	
6.	**Inter-Organizational Bodies**				
6.1	**IHO-IAG Advisory Board on the Law of the Sea (ABLOS)**				
6.1	ABLOS	HSSC13/64 (former HSSC12/62)	**HSSC** noted the new ABLOS website (https://www.ablos.org/)), developed and maintained by the Danish Technical University (DTU).		
6.1	ABLOS	HSSC13/65	**HSSC** noted the work in progress for the translation in Spanish of Ed.6.0.0 of the TALOS Manual.		French version now available
7.	**Decisions of other bodies affecting HSSC**				

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at 6 May 2021)
7.1 IRCC (incl. MSDIWG)					
4.3, 7.1	SPIs, CSB, WEND100	HSSC13/66	**HSSC** noted the report from IRCC and the good coordination between the two committees.		
7.1	S-124	HSSC13/67	**HSSC** noted the progress made in the development of S-124.		
7.1A	MSDI	HSSC13/68	**HSSC** noted the forthcoming intention from MSDIWG to engage directly with HSSC and its WGs in the future development of guidelines/recommendations for supporting S-100 MSDI activities in view of monitoring/contributing the Roadmap for the S-100 Implementation Decade.	**HSSC-14**	
7.2 IMO					
7.2A	Revision of ECDIS Performance Standards	HSSC13/69	**HSSC** noted the need to work with relevant stakeholders such as CIRM, IEC, BIMCO, Intertanko to provide a cohesive approach to recommending changes to the ECDIS PS to cater to the needs of an S100 based ECDIS. **IHO Secretariat** to submit to NCSR9 (tbc) a draft amended IMO Resolution MSC.232 (82) on Revised Performance Standards for Electronic Chart Display and Information Systems (ECDIS) and MSC.1/Circ. 1503/Rev 1 on ECDIS - Guidance For Good Practice, when appropriate.	**No later than November 2021** **NCSR-9 submission deadline**	
7.2A	Revision of ECDIS Performance Standards	HSSC13/70	**HSSC** welcomed the support offered during the meeting, by CIRM, IEC, Intertanko to participate in the drafting group together with HSSC Chair Group. **HSSC Secretariat** to consider inviting an IMO representative. at our next HSSC meeting.	**HSSC-14**	

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at 6 May 2021)
7.2B	Maritime Autonomous Surface Ships (MASS)	HSSC13/71	**HSSC** welcomed the proposal made by UK, NO and SG to create a WG/PT on MASS Navigation in order to address MASS requirements on navigation data and services.		
			HSSC agreed to create a PT under HSSC with a 2-year mandate: - to identify and prioritize MASS navigation requirements; - to analyse their impacts on current hydrographic standards and services; - to develop a set of recommendations/issues to be addressed by existing working groups.	**HSSC-14/-15**	Decision
			IHO Secretariat to issue a CL calling for the establishment of the the MASS Navigation PT with the objectives in the TORs as amended as indicated above.	**July 2021**	
			Decision for the continuation of the PT or creation of a dedicated WG to be made at HSSC-15	**HSSC15**	
7.3 IALA					
7.3	S-2xx	HSSC13/72	**HSSC** noted the report from IALA and invited **IALA** to submit their Ed.1.0.0 of their product specifications for registration in the IHO Geospatial Registry.	**HSSC-14**	
7.4 IEC					

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at 6 May 2021)
7.4		HSSC13/73	**HSSC** thanked IEC for the updates reported on the following: - Introduction of S-101 and S-100 into IEC 61174 ECDIS standard - Data cyber security requirements for navigation equipment (IEC 63154) - S-421: Route Plan based on S-100 (IEC 63173-1) - Secure exchange and communication of S-100 based products (SECOM) (IEC 63173-2)		
7.5 CIRM					
7.5	Future of ECDIS	HSSC13/74	**HSSC** thanked **CIRM** for their report and noted in particular the session themes, discussion points and outcome of their recent CIRM virtual workshop on *S-100 and future of ECDIS*. **CIRM** to provide the HSSC Secretariat with hyperlink to the CIRM workshop presentations and summary.	**When available**	
7.6 ISO					
			Left blank intentionally		
7.7 OGC					
7.7		HSSC13/75	**HSSC** thanked **OGC** for their comprehensive update report and highlights on pilot projects related to IHO/HSSC work items.		
8. Review and Endorsement of HSSC Work Plan and List of Actions					
	Work Programme	HSSC13/76	**HSSC** approved the amendments proposed by the HSSC WGs and PTs' Chairs to their Work Plans. **IHO Sec.** to upload the consolidated version of the HSSC Work Plan accordingly.	**September 2021**	Decision

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at 6 May 2021)
	Recognition of outgoing Chairs	HSSC13/77	**HSSC** sent its warmest congratulations and thanks to the outgoing Chairs (Ms Gwenaele Jan, France, TWCWG, Mr Jens Schröder-Fürstenberg, Germany, NIPWG, Mr Rogier Broekman, Netherlands, DQWG) for their outstanding commitments and achievements.		Decision
9.	**Date & Location of the next meetings**				
	HSSC-14, HSSC-15	HSSC13/78	**HSSC** welcomed the confirmation from Indonesia for its second offer to host HSSC-14 in Den Pasar, Bali, Indonesia, early May 2022 (*dates to be decided*). **HSSC** welcomed also the confirmation by Finland, for hosting HSSC-15 in Helsinki, in May 2023.	**Go no-go / hybrid format/ postponement decision by 31 January**	Decision