Tel.: +377 93 10 81 00 Fax: +377 93 10 81 40 e-mail: info@iho.int Web: www.iho.int

S-100WG Letter 2/2024

July 29, 2024

S-101, S-102 and S-129 Endorsement and Upcoming Meeting Logistics

Dear S-100 Working Group Members,

Apologies in advance for the length and timing of this S-100WG letter as I recognize that most of our colleagues in the northern hemisphere are on summer holidays. As we all know, the various project teams under the S-100WG have been working diligently to prepare the operational editions of S-101, S-102 and S-129 for IHO endorsement and approval by the end of this year to align with the S-100 implementation timeline. I'm pleased to announce that we have reached the final steps in this work and the project teams are ready to seek the endorsement of the S-100WG Members so that it can move to HSSC Endorsement and then subsequent IHO Member State approval via Circular Letter.

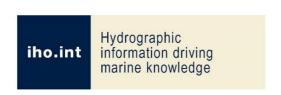
S-101, S-102 and S-129 Endorsement by the S-100WG

The draft product specifications for S-100WG endorsement have been uploaded to the <u>IHO</u> Geospatial Information Registry Testbed. The product specifications up for endorsement are:

- S-101 ENC Product Specification Edition 1.4.1 The project team have opted to keep the edition numbering at 1.4.1 until after S-100WG endorsement and after that it will be changed to Edition 2.0.0 as it moves through the process.
- S-102 Bathymetric Surface Product Specification Edition 3.0.0
- S-129 Under Keel Clearance Management Product Specification Edition 1.2.0 The project team have opted to keep the edition numbering at 1.2.0 until after S-100WG endorsement and after that it will be changed to Edition 2.0.0 as it moves through the process.
- Validation Checks for S-158:S-101 Edition 1.0 and S-158:129 Edition 1.0 These files have been also uploaded in conjunction with the each product specification and these are considered mature enough to move forward with the endorsement process.

Please note that the S-158:102 will be available in due course as there is a contract in place to gather the validation checks and properly format them according to decisions made at S-100WG8. They will then go to the project team for review and endorsement prior to moving forward for S-100WG endorsement.

Noting that there is a quick turnaround on the endorsement of S-101, S-102 and S-129, I am kindly requesting for the S-100 working groups endorsement by **August 23rd 2024.** No response will indicate approval. If there are any major issues please use the attached comment form and send it to <u>Julia.Powell@noaa.gov</u> and <u>Yong.Baek@iho.int.</u> This will give the project teams two weeks to resolve any outstanding issues prior to submission to HSSC.



Tel.: +377 93 10 81 00 Fax: +377 93 10 81 40 e-mail: info@iho.int Web: www.iho.int

Decisions and Outcomes from HSSC for the S-100WG

I would also like to draw your attention to the decisions and outcomes from HSSC16 held in May 2024. Several of these will require action prior to the upcoming S-100WG9 meeting in November 2024. The HSSC actions are captured in Annex A of this letter.

S-121 Project Team

One of the actions from HSSC was to reinvigorate the S-121 Project Team and progress the specification to an edition 2.0.0 in line with S-100 Edition 5.2.0. We recognize that over the past few years the S-100WG has been focused on specifications related to an operational S-100 ECDIS, however, there is still a need to continue the work of S-121 for use by DOALOS. Mr. Mark Alcock will continue to lead the S-121 Project Team and at this time we are asking to reconfirm your interest in participating in the development of S-121. Please send your interest (or the appropriate subject matter expert's name) to Yong.Baek@iho.int.

Announcement of the S-100WG9 Meeting in Genoa, Italy

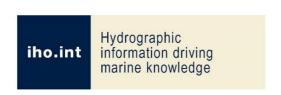
Lastly, I'm pleased to announce that Istituto Idrografico of Italy has finalized <u>logistic details</u> for the upcoming S-100WG9 meeting in Genoa, Italy. The main S-100WG meeting will be held from **November 4 – 7**th and there will be an S-102 PT and S-129PT meeting held from **November 7**th – **8**th. Please note that the ICE PT meeting will also be held on November 8th. The draft agenda, timetable and logistics information have been posted on the IHO Portal under the S-100WG. You will need to set up an IHO Portal Account to access the information. Please follow the instructions at this <u>link</u> and the portal can be accessed <u>here</u>.

Registration for the meeting must be completed by <u>October 4th</u> through the IHO Portal. Please follow the instruction provided at this <u>link</u>. Late registration requests will require coordination with the host organization regarding the venue and other arrangements, so please adhere to the deadline.

Please note that papers for consideration of the S-100WG must be submitted by **October 4**th in order to give delegates enough time to consider the issue. Additionally, comment papers related to the agenda should be submitted by October 23rd.

Many apologies for this long letter and I'm looking forward to seeing everyone at the next S-100WG meeting in Genoa.

Yours sincerely,







Tel.: +377 93 10 81 00 Fax: +377 93 10 81 40 e-mail: info@iho.int Web: www.iho.int

Juli Jowell

Julia Powell (IHO – S-100WG Chair)

Tel.: +377 93 10 81 00 Fax: +377 93 10 81 40 e-mail: info@iho.int Web: www.iho.int

Annex A: List of HSSC Decisions and Action affecting the S100WG

5.1 S-100 (S	-100WG)			
S-100WG Structure	HSSC16/27	HSSC tasked ICE PT to consider how systems currently managed under the S1OOP should move to the IHO Infrastructure Centre.	HSSC-17	
SENC	HSSC16/28 (former HSSC15/20, , HSSC13/27)	HSSC noted the paper from UK on performing further testing to confirm if SENCs delivery is needed or not for S-100. HSSC noted the joint comment paper from FR, CA, HR, EE, FI, DE, LV, NO, PL, ROK, SE, US and PRIMAR, which agreed with S-100WG Chair that SENC delivery is not needed for S-100 and raised concerns related to the S-100 Part 15 security scheme in conjunction with potential SENC delivery. HSSC concluded that further testing should focus on determining if S-100 Part 15 is feasible for use for data distribution, ensuring that the digital signature is retained from the issuing data producer and verified in the end user system. HSSC tasked the S-100WG to report the testing result as guided by HSSC above.	S-100WG9/ (HSSC-17)	Decision

S-100 Ed. 5.2.0	HSSC16/29	Based on the provisional outcome of IHO CL 18/2024 provided by the IHO Secretariat (36 affirmative votes in support so far), HSSC Chair announced that S-100 Ed. 5.2.0 had been adopted by the IHO Member States, meeting the tight milestone for S-100 Phase 1 operational planning. HSSC commended the S-100WG and contributors for all the efforts made in this process and thanked the IHO Member States who had responded to the CL 18/2024.		Decision
S-98, S-164	HSSC16/30 (former HSSC15/13)	HSSC noted that S-98 and S-164 development are on the critical path with medium risk to not meeting the 2025 deadline for their Ed. 2.0.0.		
		Planning to seek HSSC endorsement of Ed 2.0.0 at HSSC-17 in May 2025, and if endorsed, IHO MS approval by CL will follow accordingly.	HSSC-17	Decision
		The special note on S-98 (slide 12/48) providing comments on S-57 versus S-101 in S-100 ECDIS was explained and noted		

S-158	HSSC16/31	HSSC agreed on the proposed structure for S-158: • S-158 Introduction and Structure • S-158:100 ed 1.0. • S-158:98 ed 1.0. • S-158:101 ed 1.0. • S-158:102 • S-158:104,etc. and on the management of these parts by individual HSSC WGs/PTs (development, submission, endorsement, approval), and noted the high risk of not meeting the deadline.		Decision
S-100 ECDIS Dual Fuel	HSSC16/32	HSSC noted the work in progress by the S-100WG supported by NIPWG, TWCWG and WENDWG to prepare amendments to the current version of the Dual Fuel Concept for S-100 ECDIS. HSSC Chair/S-100WG Chair to finalize the proposed amendments for submission to Council.	15 July for C-8	
S-100 Infrastructure Tools	HSSC16/33	HSSC noted the information provided on the S-100 Infrastructure Tools (S-100 GI Registry, Feature and Portrayal Catalogue Builders, DCEG Composer, Symbol Editor,) and the associated update schedule.		
S-102	HSSC16/34	HSSC noted the estimated completion date for draft Ed. 3.0.0 of S-102 (June 2024) aligned with S-100 Ed. 5.2.0, including a "light" impact study and welcomed the compatibility with GDAL.	Aug 2024	
S-102	HSSC16/35 (former HSSC15/18)	HSSC noted the intention to create a separate S-1xx spec number for non-navigation purposes. To be decided after S-102, Ed. 3.0.0 is published.	2027	

S-102	HSSC14/22	HSSC endorsed the suspension of IHO Resolution 2/2007 for S-102 Ed. 2.2.0 until Ed. 3.0.0 to allow for iterative development to align with S-98, S-101 and S-104 (each of which are at a Ed. 1.0.0 stage).		Decision Reminder
S-129	HSSC16/36	HSSC noted the medium risk to not meeting 2024 Ed. 2.0.0 publication date.		
S-121	HSSC16/37	HSSC tasked S-100WG/S- 121PT to restart the activity of the PT for moving towards an operational edition, which is expected by UN DOALOS. S-100WG/S-121PT to meet and provide their consolidated action plan to HSSC for endorsement.	July 2024	
Future of S- 101PT, S- 102PT, S- 129PT	HSSC16/38	HSSC agreed on the recommendation from S-100WG that S-101PT, S-102PT and S-129PT should remain active until these products are fully operational and start to be used on the first S-100 ECDIS. Then, consideration to be given on any new HSSC WG Structure from 2027 onwards.	HSSC-18/-19	Decision

Versioning of PS components	HSSC16/39	HSSC noted the concerns raised about the versioning of feature and portrayal catalogues, recommending that the 1 st two digits should always be the same. On the need to review IHO Resolution 2/2007 to be able to issue an update to the machinereadable portion of the specification to "quickly" correct an error, HSSC had mixed feelings and agreed to monitor this requirement for the next couple of years and decide identify once more experience.	HSSC-18/-19	
S-97, S-65, possibly S-165	HSSC16/40	identify once more experience has been gathered. HSSC noted the thoughts on S-97 updates and S-65 (possibly S-165) to provide guidance on production, maintenance and distribution for multiple S-1xx products and agreed to keep these issues on stand-by for the moment.	HSSC-18	
S-100P	(former HSSC 15/22,, HSSC12/19B)	HSSC noted the establishment of the S-1OOP (S-100 Open Online Platform), commended the ROK for their initiative and encouraged Member States to engage and provide test data. HSSC invited KHOA to consider the development of a basic "getting started guide".	HSSC-16	IHO CL 12/2021 refers Closed. ICE PT responsible for transition into IHO Infrastructur e Centre
S-101	HSSC16/41	HSSC noted the delivery plan for Ed. 2.0.0 of S-101 PS and commended the S-101PT for their hard work.		Condo

S-101	HSSC16/42	HSSC also noted the challenges and risks on the way to Ed. 2.0.0 (Resource <i>Medium</i> , Testbeds and Testing <i>High</i> , Dependencies <i>High</i>).		
S-101	HSSC16/43	To avoid time consuming manual effort, HSSC endorsed the S-100WG/S-101PT 's proposal to make, as an exception, a bulk update of ENC related symbols including S-401in the GI Registry outside the normal procedure given in S-99.		Decision
S-101	HSSC16/44	HSSC noted that IHO- Singapore Tech Lab is considering supporting S-101 test as requested by S-101PT.	HSSC-17	
S-100 Sea Trial Area	HSSC16/45	HSSC welcomed the offer from Canada and endorsed the proposal made to designate the St Lawrence River as an IHO Canada S-100 Sea Trial Area (2024-2025).		Decision
		HSSC Members willing to contribute and participate to contact Canada's HSSC representative.	HSSC-17	
		HSSC agreed to consider the designation of additional IHO Sea Trial Areas for testing, some already active (IHO Baltic Sea Sea Trial Area, IHO UK-FR Channel Sea Trial		
		Area,). HSSC Chair to propose the IHO Sea Trial Area concept to Council 8.	C-8 (concept to be developed)	



S-100 TestBed	HSSC16/46	Canada in collaboration with S-100WG/IHO Secretariat/ISO Cell to improve the report template of S-100WG for the testbed activity, and IHO Secretariat to post TDS and information related to S-100 on the IHO website.	HSSC-17	