

## 13<sup>th</sup> Meeting of the Hydrographic Services and Standards Committee

# Maintenance of Roadmap for S-100 implementation decade

Agenda Item HSSC 13-04.2A

HSSC-13, VTC Event, 3 – 7 May 2021



International Hydrographic Organization

#### S-98 INTEROPERABILITY SPECIFICATION THE IHO NAVIGATIONAL PACKAGE

First step

Navigational Route Monitoring Mode S-98 Edition 1.0.0

S-101 ENC S-102 Bathymetry S-104 Water Level S-111 Surface Currents S-124 Navigational Warnings S-129 UKC Management

#### Next step

Navigational Route Planning Mode Future S-98 Editions

S-122 Marine Protected Areas
S-123 Marine Radio Services
S-125 Marine Navigational Services
S-126 Marine Physical Environment
S-127 Marine Traffic Management
S-131 Marine Harbour Infrastructure

+ S-100 Products used in Monitoring Mode

S-128 Catalogue of Catalogues



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#### S-100 PRODUCT SPECIFICATIONS DEVELOPMENTS AND TIMELINE

International Hydrographic		202	1	202	2		2023		2024		2025		2026	
Organization	S-100	Finali		Edition 5.0.0 Published						Work begins on future editions of S-100				
	ENC S-101	Developmen	Edition	Preliminary Implementatio n	entatio Finalization Edition Ir			Implementation	Operational Data					
	Testbed Activities	De	evelopment of Sho	CDIS systems	Development of Full E				IS	Implementation Operation al ECDIS				
	Bathymetry S-102	Developmen	t and Testing and 3.0.0	Finalizatior	n of Edition Implementation			on	Operational Data					
	Water Levels S-104	Edition 1.0.0	velopment and Implementation			Operational Data								
	Surface Currents S-111	Development	t and Testing and Edition 2.0.0	Finalization	on of Implementation				Operational Data					
	Nav Warnings S-124		nt and Finalization dition 1.0.0	n of	Preliminary Implementation				Development and Finalization of Edition		Implementation	Opera	tional Data	
	Catalog of Catalogs S-128	Developmen	Finalization	on of Edition Implementation			ion	Operational Data						
	UKC Management S-129	Developmen	Finalization	on of Edition Implementation				Operational Data						

• This timetable should be restructured as a Gantt diagram in the S-100 Implementation Strategy, Annex 2 and also include S-98, S-164 and the Route Monitoring S-1xx PS.



#### S-100 PRODUCT SPECIFICATIONS DEVELOPMENTS AND TIMELINE

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	2021	> 2	022	20	23	20	24	$\geq$	2025		2	2026	
S-100	Finalize Edition 5.0.0			Edition	5.0.0 Pul	lished	ished Work b			egins on future editions of S-100			
ENC S-101	Development and Fina 1.1.0	lization Edition	Preliminary Implementation		oment & Edition 2.0.0	Impleme	ntation		Operational Data				
IMO		IM	IMO update ECDIS Performance Standards				IMO Performance Standards Phase In						
IEC			IEC updates IEC 61174						IEC 61174				
Testbed Activities	Testbed Activities Development of Shore based ECDIS systems					Developmen	Development of Full ECDIS Implem					Operational ECDIS	
				<b></b>		Produce							
						perational							
	S-10												



#### **UPDATES NEEDED FOR THE ROADMAP FOR THE S-100 IMPLEMENTATION DECADE (2020 – 2030), VER 1.0, REV 1**

S-101 ENC:

- According to the HSSC road map, the S-101 PS will be technically ready for regular production of S-101 ENCs by end of 2022. (HSSC)
- To change the above sentence to read: In the beginning of 2024 the Standard will be operational and ready for production and implementation. HOs can prepare their production systems and experiment with S-101 ed 1.1.0 already 2022. (slide 4)
- Standardization within the S-100 hydrographic domain should put special focus on the following products.

S-101	Electronic Navigational Chart (ENC)					
S-102	Bathymetric Surface					
S-104	Water Level Information for Surface Navigation					
S-111	Surface Currents					
S-122	Marine Protected Areas					
S-123	Radio Services					
S-124	Navigational warnings					
S-129	Under Keel Clearance Management					

 To amend the table in accordance with S-98 Navigational Package – First and Next step list of Product Specifications (slide 2).

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### IHO ACTIONS REQUESTED FROM HSSC

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- 1. Endorse to submit proposed amendments to the Roadmap for the S-100 Implementation Decade, Version 1.0, Rev 1, to the Council-5 2021.
- 2. Approve that the S-100 Implementation Strategy, Annex 2 also should include relevant parts from the S-100 Master Plan and that the S-100 Master Plan is then superseded by Annex 2.
- 3. To note the C4/11 decision: Council to monitor the progress of the task given to HSSC to prepare a synoptic summary report on the various options offered to HOs for future production of S-101 ENCs in conjunction with S-57 maintenance/production. To be further discussed under 05.1C. Should be included in Annex 2.