



14th Meeting of the Hydrographic Services and Standards Committee

Discussion on the development and maintenance of the S-100 implementation roadmap and consequences on the S-100 Master Plan

Agenda Item 04.2A

HSSC-14, Denpasar, Bali, Indonesia - Hybrid Event, 16 – 19 May 2022



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ROADMAP FOR THE S-100 IMPLEMENTATION DECADE (2020 – 2030) - VERSION 2.0, 16 DECEMBER 2021

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- Available at IHO website -> Council -> S-100 Implementation Strategy
- Roadmap will be maintained as an incremental version-controlled document (including narrative and timelines) on an annual basis
- Version 2.0 also include three new Annexes:
 - Annex 1: Collaboration and timelines with IMO and other liaising organizations to incorporate S-100, in their respective instruments (WP1, IHO-Secretariat)
 - Annex 2: Detail on S-100 Implementation Priorities, S-100 Timeline for the prioritized IHO Product Specifications and Options for HOs for Parallel Production of S-101 and S57 ENC's (WP2, HSSC)
 - Annex 3: Development of Global Distribution Capability, WEND-100 Principles (WP3, IRCC)



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COORDINATED IMPLEMENTATION OF SERVICES – S101 ENC

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- In order to accomplish the phase of transition, from S-57 to S-101 ENCs, on the data production and data distribution side:
 - It is proposed to seek commitment from as many as possible IHO MS to start **regular native production of S-101 ENCs in 2025 and regular availability gradually growing in the course of 2026** in parallel to regular S-57 production.
 - RENCs and VARs must be capable to feed the market with the S-101 ENCs – including encryption aspects and be ready for a mixed distribution arrangement to support the “dual fuel” model.



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S-100 IMPLEMENTATION ROADMAP, ANNEX 2

S-100 IMPLEMENTATION PRIORITIES

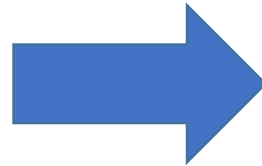
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First step

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

As of October 2021

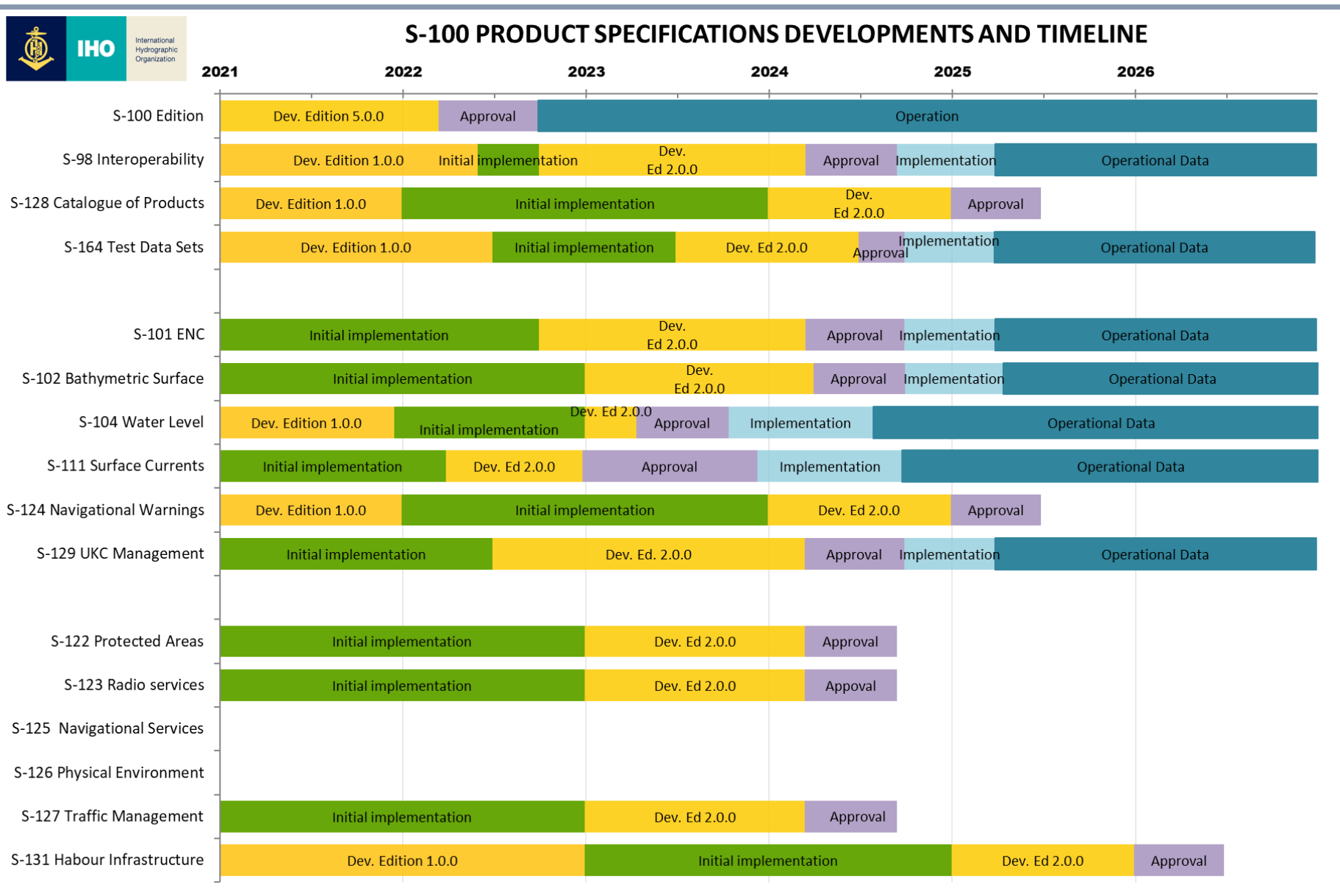


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S-100 IMPLEMENTATION ROADMAP, ANNEX 2

S-100 TIMELINE FOR THE PRIORITIZED PS

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The S-100 timeline;

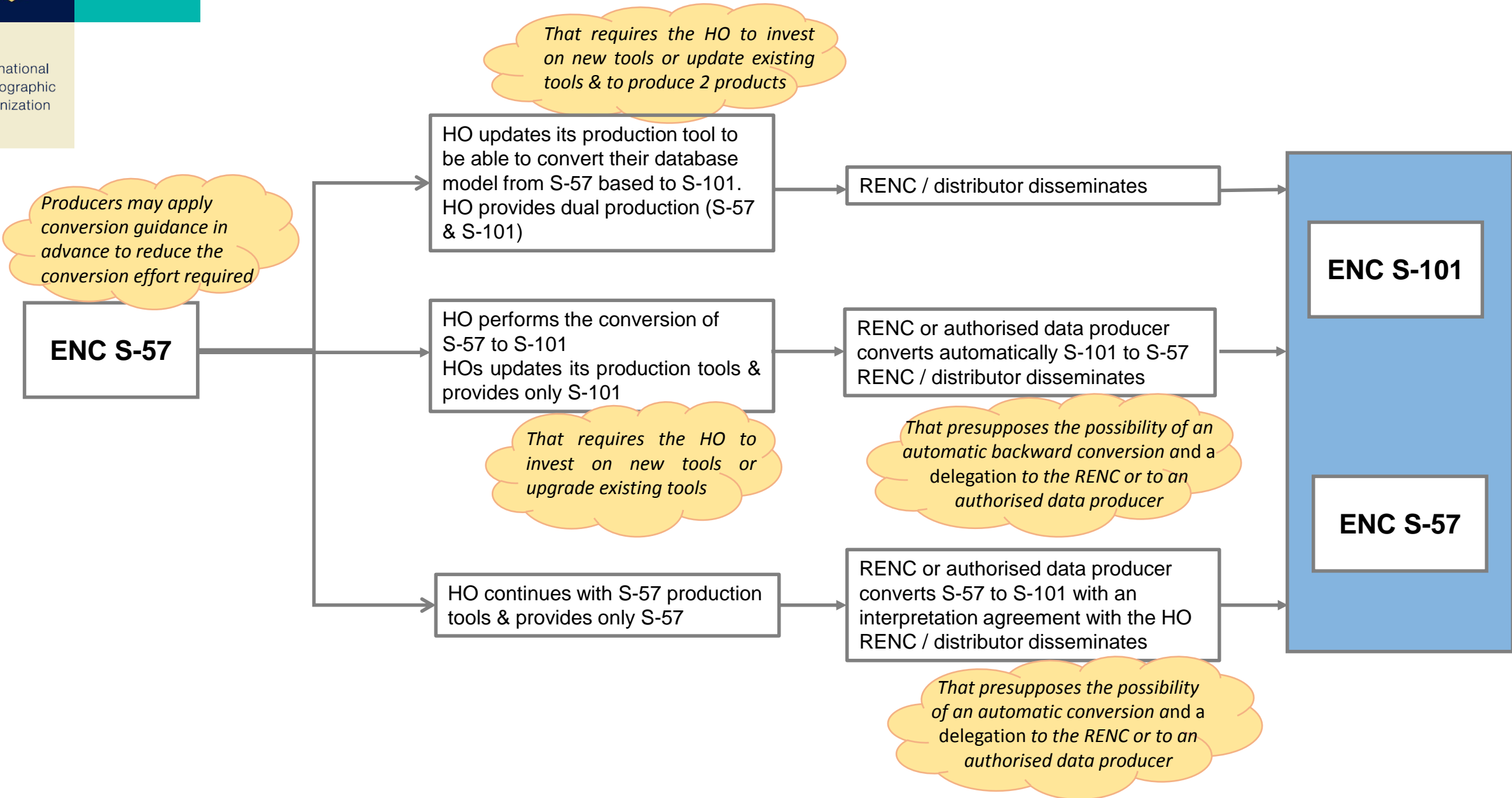
- to be maintained by the IHO Secretariat,
- version controlled Gantt Diagram,
- updated and reported annually to the IHO Council.



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S-100 IMPLEMENTATION ROADMAP, ANNEX 2 OPTIONS FOR HOs ON PARALLELL PROD. S-57 AND S-101

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PROPOSED AMENDMENTS AND ADDITIONS TO THE S-100 IMPLEMENTATION ROADMAP – TO BE DISCUSSED AT HSSC14

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1. Since the S-100 Implementation Roadmap v2.0 now is available, S-100WG recommend to **remove the S-100 Master Plan** from the IHO website and archive it in S-100 history.
2. An **Executive Summary of the S-100 ECDIS and Dual Fuel Governance Report**, to be added to the S-100 Implementation Roadmap, as becoming an Annex 4. Executive Summary and Full report, to be endorsed by C-6 for submission at A-3 for MS approval, and then to be attached to the Roadmap as Annex 4 (Full report as an appendix of the Executive Summary).
3. Clarifications and description of the **importance of the framework supporting the implementation of the S-100 products**; GI Registry, S-98, S-100, S-128, S-164. Beyond HSSC and Programme 2 (WENDWG, RHCs, RENCs, Regulatory Instruments).



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ACTIONS REQUESTED FROM HSSC

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1. To note the need to develop and maintain the S-100 Implementation Roadmap
2. Proposed amendments and additions to be captured during HSSC14

Thank you!