



EAtHC VTC 01 (2023)

**Atelier ICCWG CHAto sur la S-100 / EAtHC-ICCWG S-100 Workshop
Rapport du HSSC sur la S-100 / HSSC report on S-100**

Agenda Item 02.1A



IHO

S-100 Product Specification developments

International
Hydrographic
Organization

- Editions endorsed by HSSC 15
 - S-100 Edition 5.1.0
- Edition 1.0.0 approved by HSSC 15 (initial implementation, testing & evaluation)
 - S-164 Test data sets
 - S-131 Marine harbour infrastructure
 - S-124 Navigational Warnings (mandate given to HSSC by IRCC chair to approve this PS under WWNWS sub-committee)
 - S-130 Polygonal Demarcations of Global Sea Areas PS and dataset
- HSSC noted the following incremental revisions
 - S-101 ENC Ed 1.1.0
 - S-102 Bathymetry Ed 2.2.0
 - S-104 Water Level Ed 1.1.0
 - S-111 Surface Currents Ed 1.2.0



IHO

S-100 Product specifications development

International
Hydrographic
Organization

- Work in progress but under a tense calendar → need to increase involvement
- Updated timeline in Annex 2 of S-100 Roadmap
- MS can expect an IHO CL **early in November 2024** with the request to **approve the first package of the S-100 PS**

Phase 1 Route Monitoring Mode

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

Critical Framework

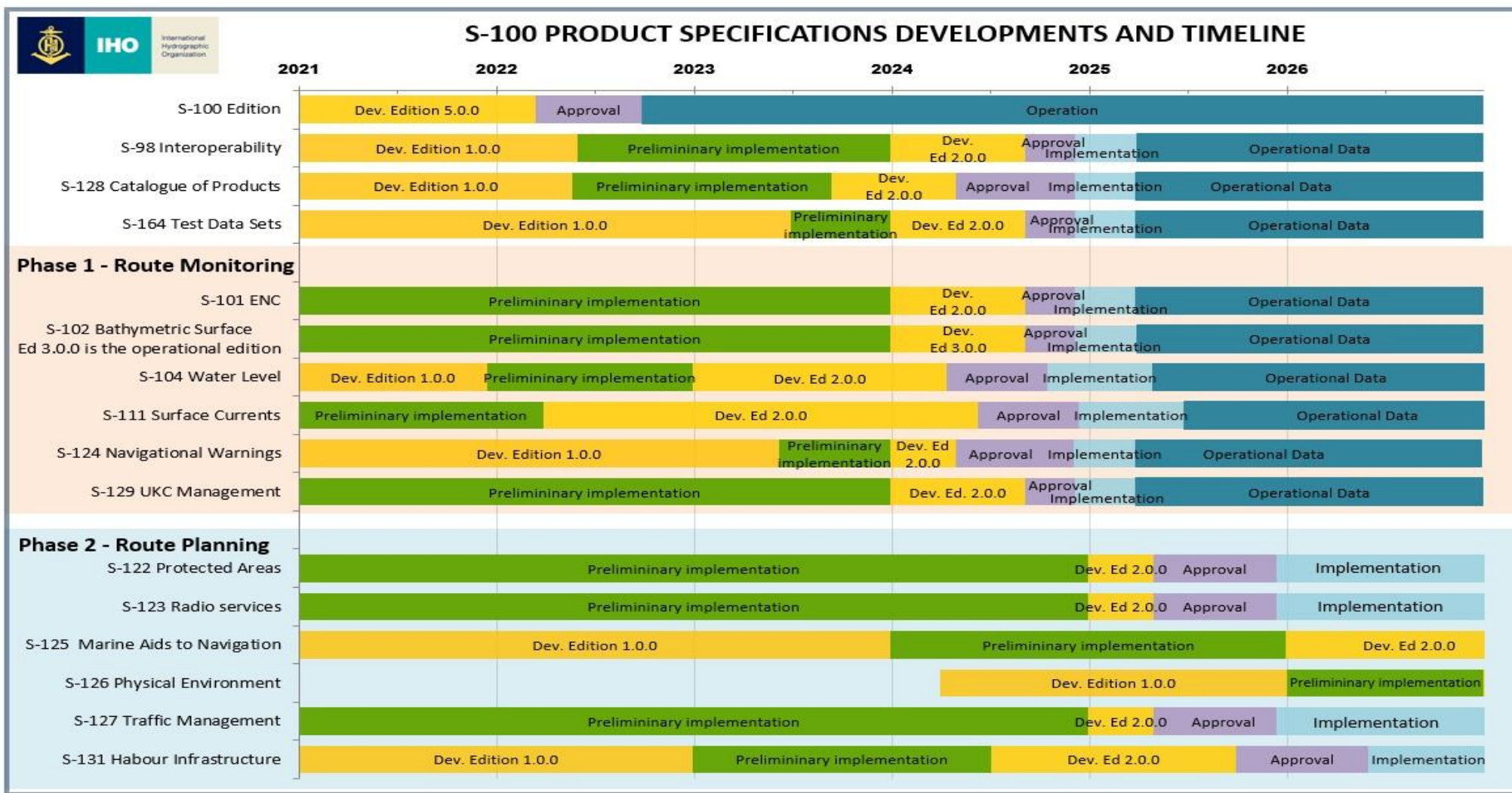
IHO Geospatial Information Registry
S-98 Interoperability Specification
S-100 Universal Hydrographic Data Model
S-128 Catalogue of Nautical Products
S-164 Test Data Set for S-100 and ECDIS
Type Approval



IHO

S-100 Timeline

International Hydrographic Organization



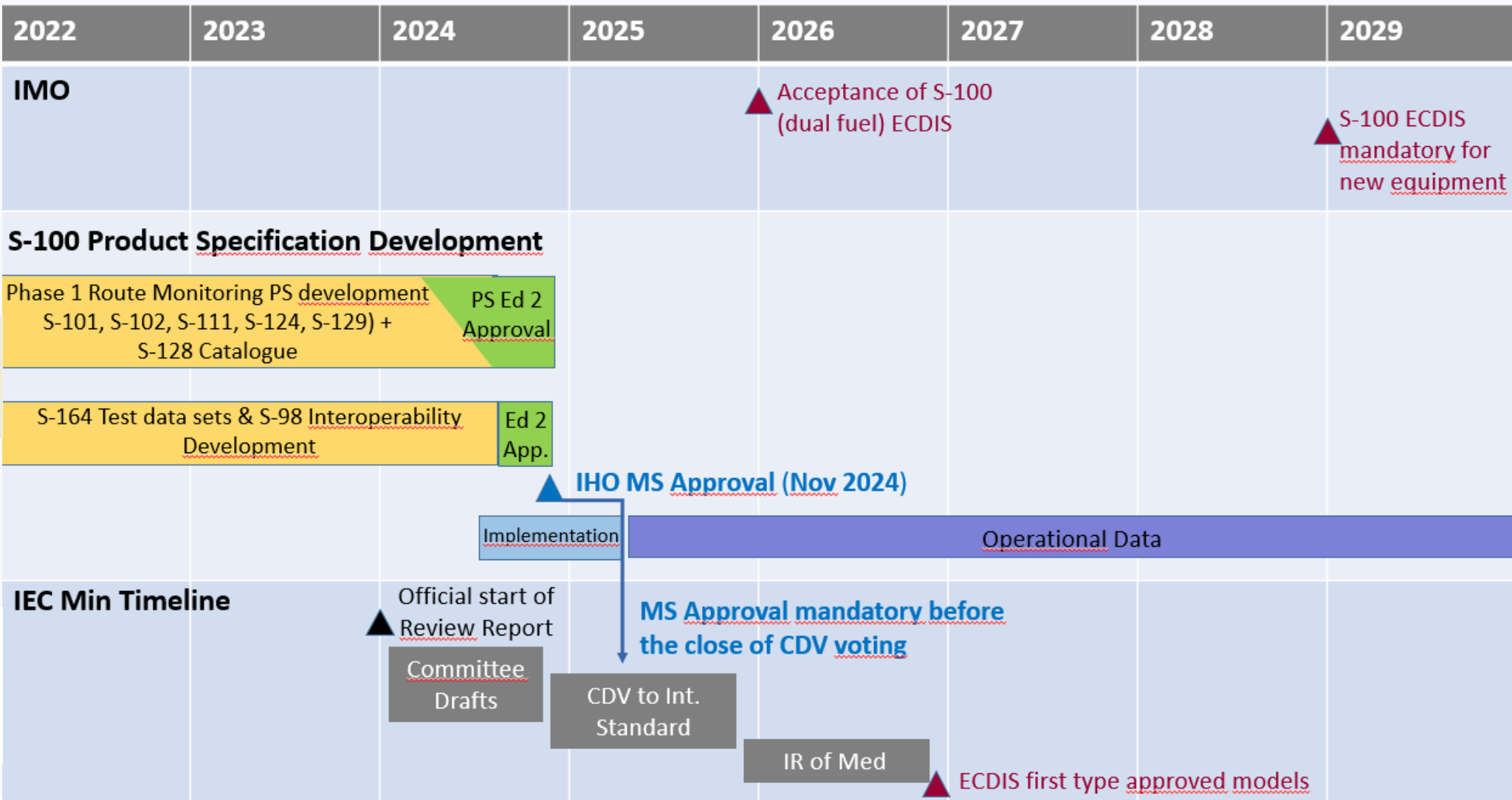
Updated 9th July 2023



IHO

Coordination between IHO S-100 development and IEC to meet IMO timeframe for S-100 ECDIS

International Hydrographic Organization



OHI

Organisation Hydrographique Internationale



International Electrotechnical Commission



IHO

Establishment of 3 new PTs

International
Hydrographic
Organization

- HSSC approved ToRs for the establishment of **S-100 Infrastructure Centre Establishment Project Team (ICE PT)** under HSSC (following Decision A3/14)
- HSSC gives the mandate to ENCWG to set up the **Electronic Chart System (ECS) PT** under ENCWG with following objectives :
 - a. to identify and prioritize ECS navigation requirements;
 - b. to analyse their impacts on current IHO hydrographic standards; and
 - c. to develop a set of recommendations/issues to be addressed by existing IHO bodies, external organisations, and member states.
- HSSC approved the establishment of a new **PT S-100 Security Scheme** under HSSC to review the procedures for the appointment, operation, and termination process of participants in the new S-100 security scheme



IHO

Stakeholders forum (HSSC 15)– Some challenges raised

International
Hydrographic
Organization

Sperrymarine



ChartWorld
Group

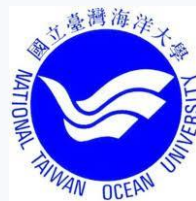


PRIMAR®



ICENC

FURUNO



TELEDYNE

- S-101 alone does not offer much benefits for end users
- Managing the impact of change
- New validation challenges (growing number of data, new formats, cross-product validation, ...) requires new system with inclusion of automated validation process
- Simplify planning & reporting obligations : extract relevant information to create route plan, automatically fulfil report
- Develop S-100 multi-fuel services for dissemination (catalogue, packaging, dissemination analysis, ...)



IHO

Défi de la région CHAtO Challenge for the EAtHC Region

International
Hydrographic
Organization

Assuming that :

- S-101 alone does not offer much benefits for end users
- Priority is SOLAS for international maritime traffic

A challenge for EAtHC Region is the coordination in production and distribution of Phase 1 / Route monitoring S-1XX products.

- What are the EAtHC Region priorities ?
- How can work together to manage the impact of change ?