



## EAtHC18 (2024)

**Outputs of HSSC15 and IRCC 15 / Bilan de l'IRCC15 et du HSSC15  
Défis de la région CHAtO / Challenges for the EAtHC Region**

**Agenda Item 02.2A and 2.3A**



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# 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



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# S-100 Product specifications development

International  
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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

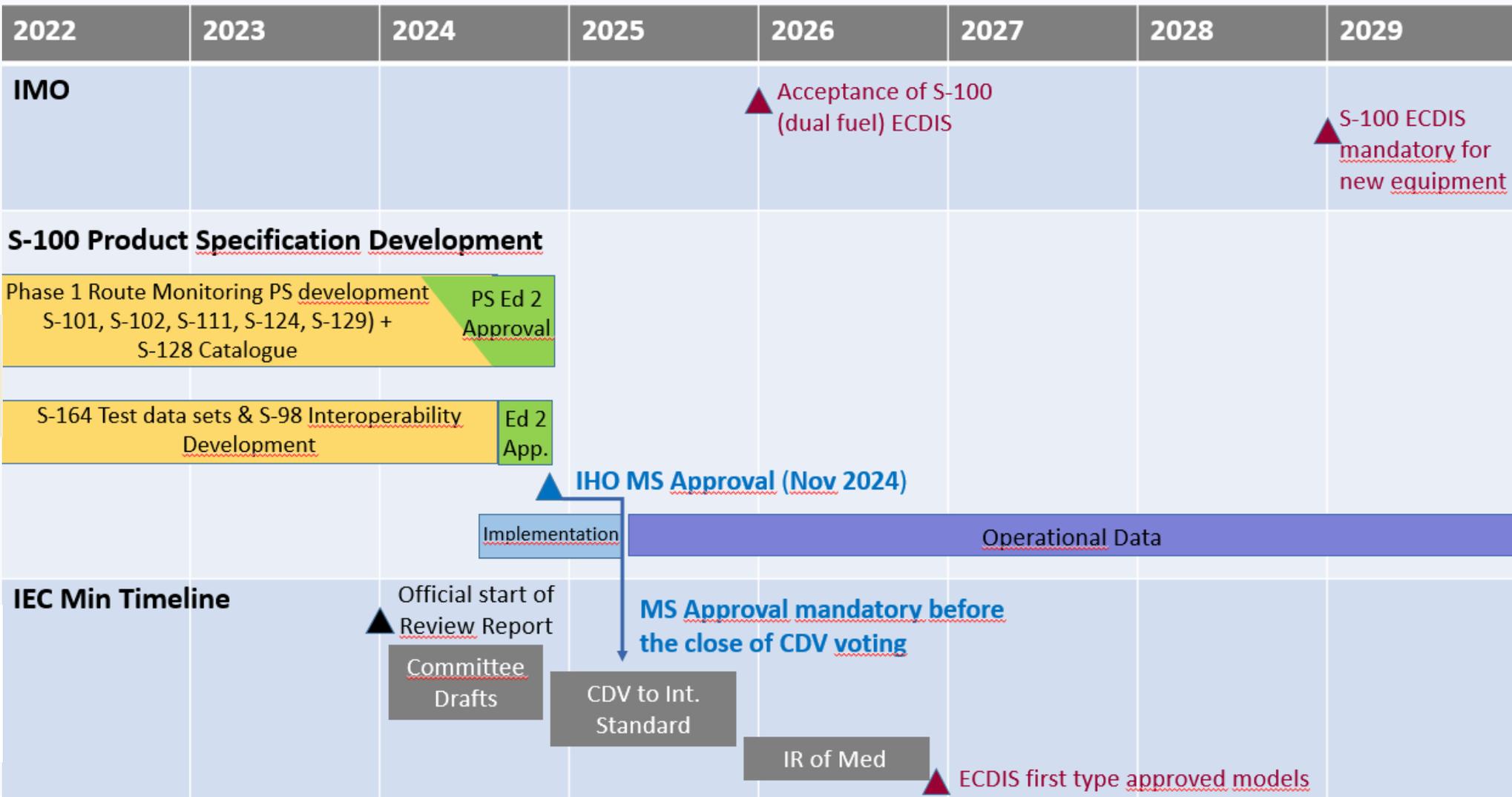
IHO Geospatial Information Registry  
S-98 Interoperability Specification  
S-100 Universal Hydrographic Data Model  
S-128 Catalogue of Nautical Products  
S-164 Test Data Set for S-100 and ECDIS  
Type Approval



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# 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



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# Update on IMO activities regarding ECDIS

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- NCSR10 in May 2023, endorsed the inclusion of :
  - S-100/IEC standard, Route Plan S-421, for route exchange from ship to shore and from shore to ship into the IMO ECDIS Performance Standards.
  - IEC SECOM standard for secure exchange of information between ship and shore. SECOM would be relevant for S-100 products distribution.
- S-421 and SECOM follows the same transition plan as S-100 ECDIS (2026 –2029)
- Final approval is expected at MSC 108 in May 2024.
- IMO has requested IHO to provide a more detailed progress report against the S-100 implementation roadmap in future updates.



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# Establishment of new PTs

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- HSCC15 established a **S-100 Infrastructure Centre PT (S-100 ICE PT)** in accordance with A-3 decision A3/14.

**S-100 Infra. Center = a sustainable structure to maintain the technical & administrative infrastructure around S-100**

- PT Objectives = to develop the management documents and operating plan for the proposed structure to support the S-100 framework :
- Additional funding resources should be considered for the setup of the S-100 Infra. Center (endorsed at C7)



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## Other highlights

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- **Amended HSSC ToRs and RoPs to include the RENCs in the HSSC Membership** and expert contributors from industry on a case-by-case basis, by invitation of the Chair, endorsed by HSSC15 and C7
- HSSC endorsed the proposal from the UK for the IHO to **consider the creation of a new award**, more inclusive than the Medal of Prince Albert 1<sup>st</sup>, **recognising once a year a champion of hydrography among HSSC & IRCC**. IRCC also supported this proposal.
- **HSSC recommend to RHCs to start producing S-101 and other S-100 products** by focusing on a specific part of the region



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## **IRCC 15**

Tokyo – 12 to 15 June 2023



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# IRCC15 – Establishment of a PT for IHO fund generation

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- IRCC had established a scoping team to investigate potential additional sources of funding for programmed IHO activities including capacity building and a sustainable structure for IHO to manage the operational S-100 infrastructure
  - C7 endorsed the recommendations from IRCC to establish a PT on *Fund Generation of IHO' Project Initiatives* under the IRCC.
- ➔ Objective : identify the main IHO projects which would benefit funding from alternative sources and evaluate funding opportunities for each projects identified.



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## IRCC15 – Highlights from RHs

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The 15 RHCs had reported their main concerns :

- the need for collaboration and coordination in the implementation of the S-100 Roadmap
- the importance of CB activities and the need to increase them with suitable support
- the lack of participation in RHC's activities and meetings

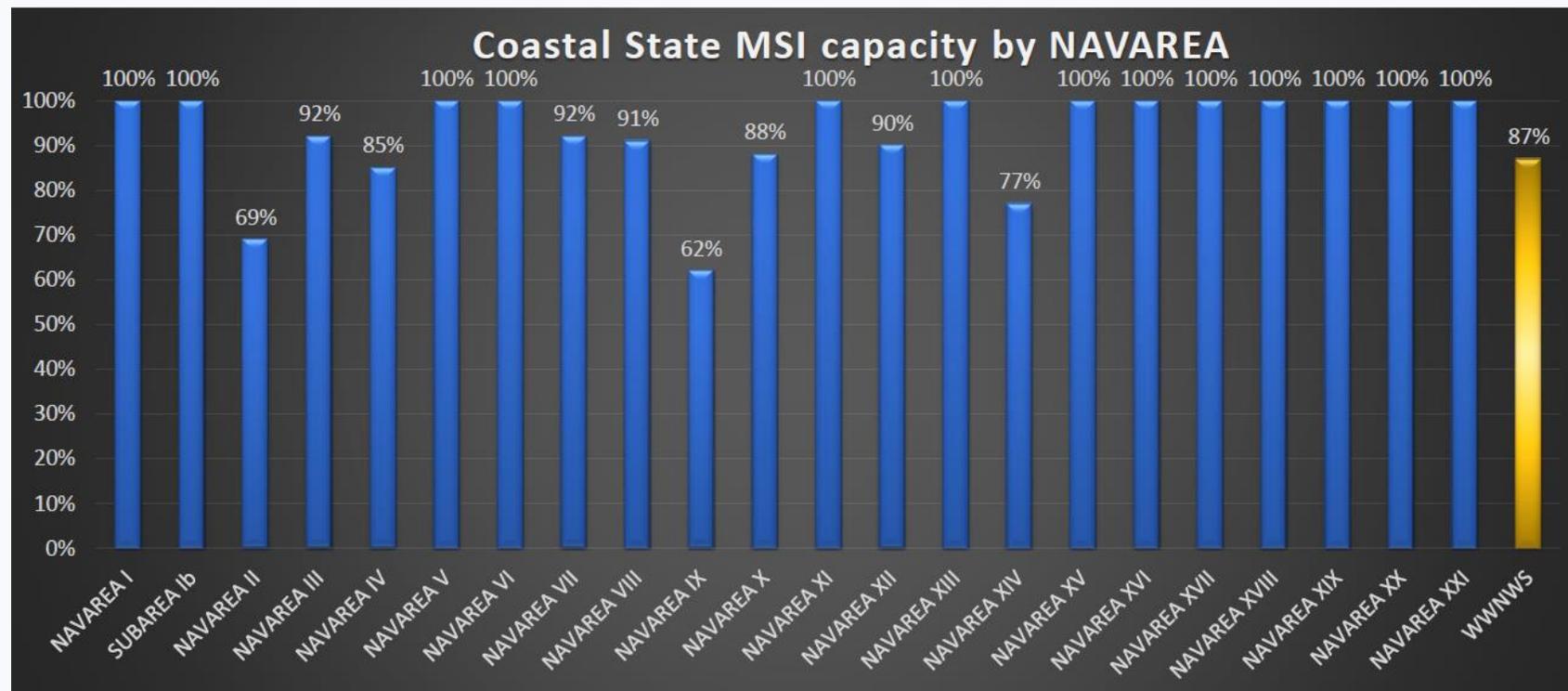


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# Maritime Safety Information - WWNWS-SC

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- SPI (2022) = 87%
- Target (2026) = 90%



*Derived from WWNWS14 Navarea Self Assessments*

IRCC recommended RHCs to encourage Member States to report to IMO and the Chair of the EGC Coordinating Panel on the progress of implementation of newly recognized mobile satellite services by MSI providers.



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# Défi de la région CHAtO Challenge for the EAtHC Region

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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 ?