

**TRAFICOM**  
Liikenne- ja viestintävirasto



## Information of the issues of the IHO Council

**66<sup>th</sup> Nordic Hydrographic Conference**  
**29 - 30 March 2023**



# *IHO Council 6 meeting*

1. IHO Council 6 meeting was held as face-to-face meeting in Monaco 18 – 20 October 2022.
2. 26 Council Members at present and two members listening via live stream.
3. The main task of the meeting was to prepare Council report with recommendations and proposals for the 3<sup>rd</sup> Session of the IHO Assembly in May 2023.



# *IHO Council 6 Proposals to IHO Assembly*

## PRO-1.1 Adoption of IHO Resolution – S-100 Implementation

It is resolved that S-100 implementation be monitored by the Council through the Roadmap for the S-100 Implementation Decade 2020 – 2030 and guided by its Annexes.

- a) Collaboration with IMO and other liaising Organizations.
- b) S-100 Timelines
- c) WEND-100 Principles
- d) Dual Fuel Concept for S-100 ECDIS

The IHO Member States should respect the IMO Resolution on Performance Standards for ECDIS and the in force dates agreed upon, understanding that adequate S-101 ENC coverage and appropriate complementary S-100 data/products services are expected when S-100 ECDIS becomes operational.

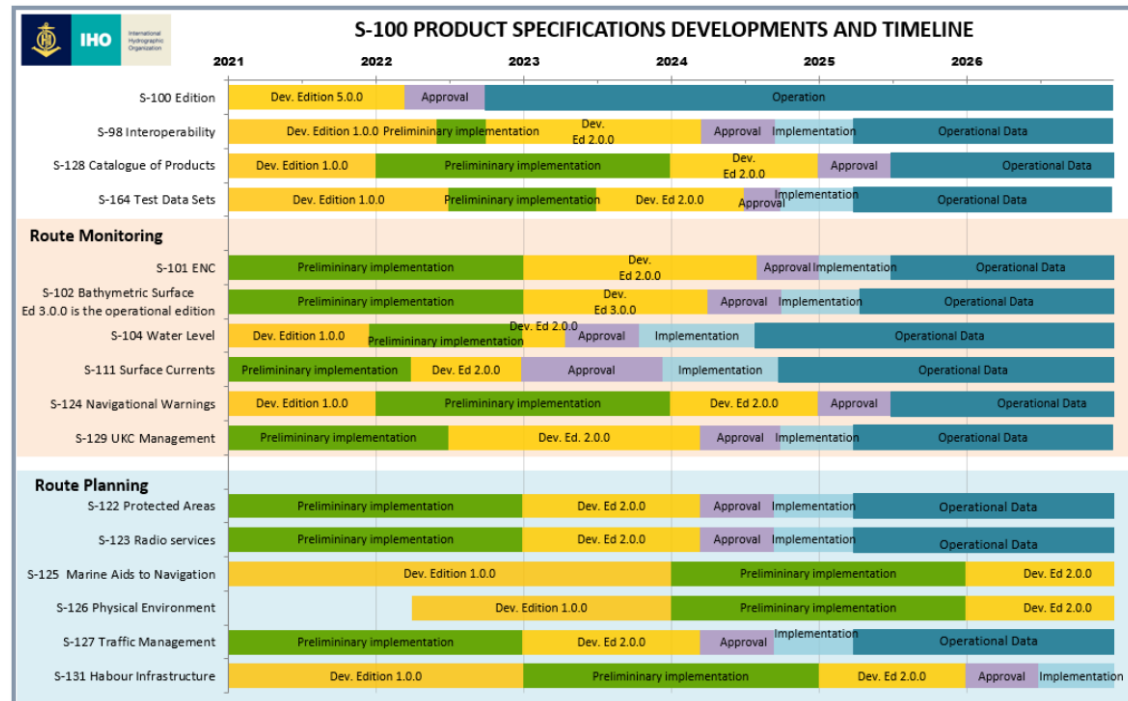
# IHO Council 6 Proposals to IHO Assembly

## PRO-1.2 Implementation and Review of the Strategic Plan

- ▶ to agree on the continuation of conduct of the annual Work Programmes on the basis of the Strategic Plan in place for 2021 – 2026 and direct the Council accordingly;

- ▶ to approve that Goal 1 of the IHO Strategic Plan and its targets shall have the highest priority in the implementation of the 2024–2026 Work Programme;

▶ ...



# *IHO Council 6 Proposals to IHO Assembly*

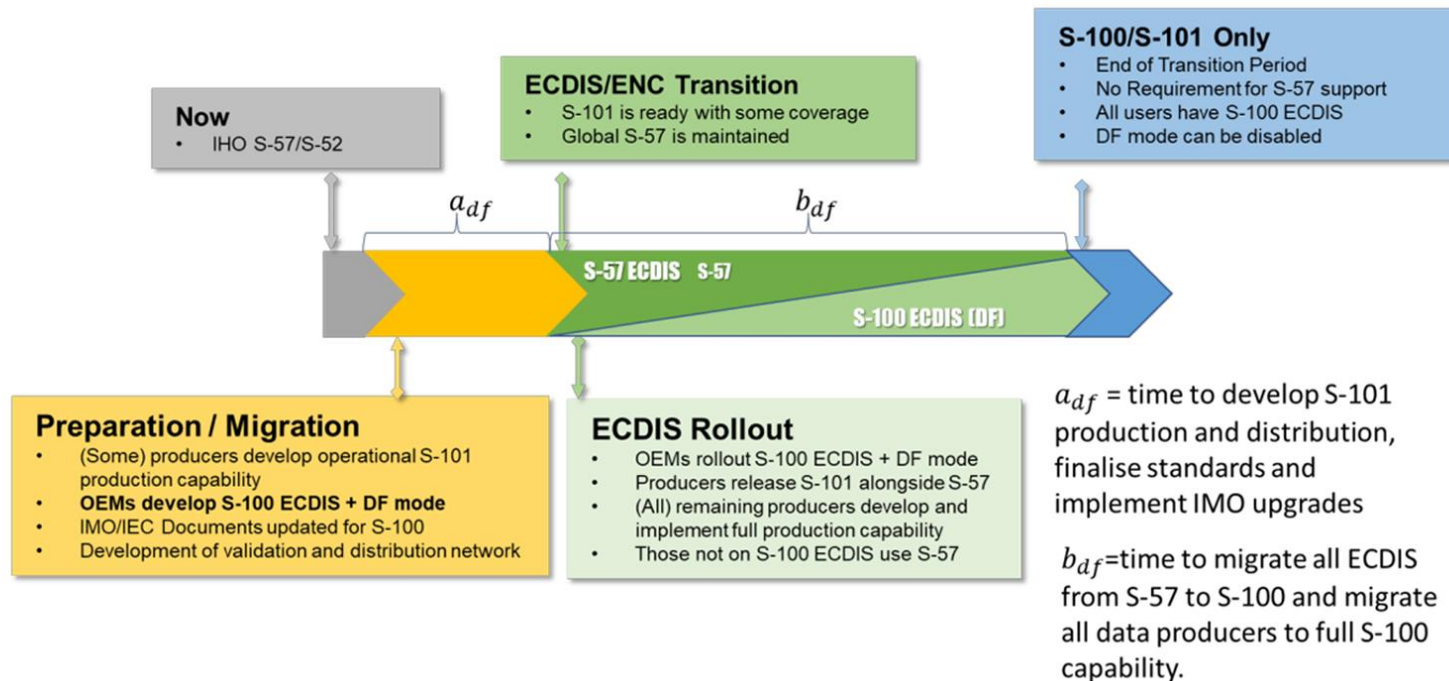
## PRO-1.4 3-Year Work Programme and budget 2024 – 2026

- ▶ to approve the 3-year work programme 2024 – 2026 based on the Strategic Plan in force.
- ▶ to approve the 3-year budget estimates 2024 - 2026.
- ▶ to approve the option of an increase of the Member States contribution share value up to a maximum of 3% percent subject to the approval by C-7, C-8 or C9 as part of Council 's approval process of the annual budget.

# IHO Council 6 Proposals to IHO Assembly

## PRO-2.1 Adoption of Dual Fuel Concept for S-100 ECDIS executive summary and the full report

- ▶ to approve the Dual Fuel Concept for S-100 ECDIS including the prefacing Executive Summary
- ▶ to take note of the importance of the fundamental strategic change introduced by the S-100 ECDIS concept with regard to multiple interacting navigational data layers



# IHO Council 6 Proposals to IHO Assembly

The fundamental strategic change introduced by the S-100 ECDIS concept with regard to multiple interacting navigational data layers

- ▶ The single layer official S-57 ENCs will be replaced by multiple, interacting layers of navigational data
- ▶ The S-101 ENC will always be the navigational base layer
- ▶ In the draft IMO ECDIS Performance Standards the term Electronic Navigational Data Service (ENDS) is used for the multiple layers to be used in S-100 ECDIS
- ▶ **Electronic Navigational Data Service (ENDS)** means a special-purpose database compiled from nautical chart and nautical publication data, standardized as to content, structure and format, **issued for use with ECDIS by or on the authority of a Government, authorized Hydrographic Office or other relevant government institution**, and conforming to IHO standards; and, is designed to meet the requirement of marine navigation and the nautical charts and nautical publications carriage requirements in SOLAS regulations V/19 and V/27. **The navigational base layer of ENDS is the Electronic Navigational Chart (ENC).**
- ▶ S-98 is the product specification which will handle how multiple layers are portrayed and how alarms are triggered

## *Other IHO Council 6 issues*

“[The digital twin of the Ocean](#)” presentation by Mr. Pierre Bahurel, (Mercator Ocean International)

- ▶ 2014 EC appointment to implement the Copernicus Marine Services (CMEMS) as part of Copernicus (programme)
- ▶ Goal: A consistent, high-resolution, multi-dimensional and near real-time virtual representation of the ocean
- ▶ European Sentinel satellites observations as a primary data source
- ▶ Automated data processing and datafusion for digital models
- ▶ “Blue Ocean” – “White Ocean” – “Green Ocean”
- ▶ MOi looking to have an IGO status in the future.
- ▶ More information [here](#)