



11th Meeting of the Arctic Region Hydrographic Commission (ARHC) VTC, 8-9 November 2021

**IHO Secretariat Report
Dr Mathias Jonas
Secretary-General**

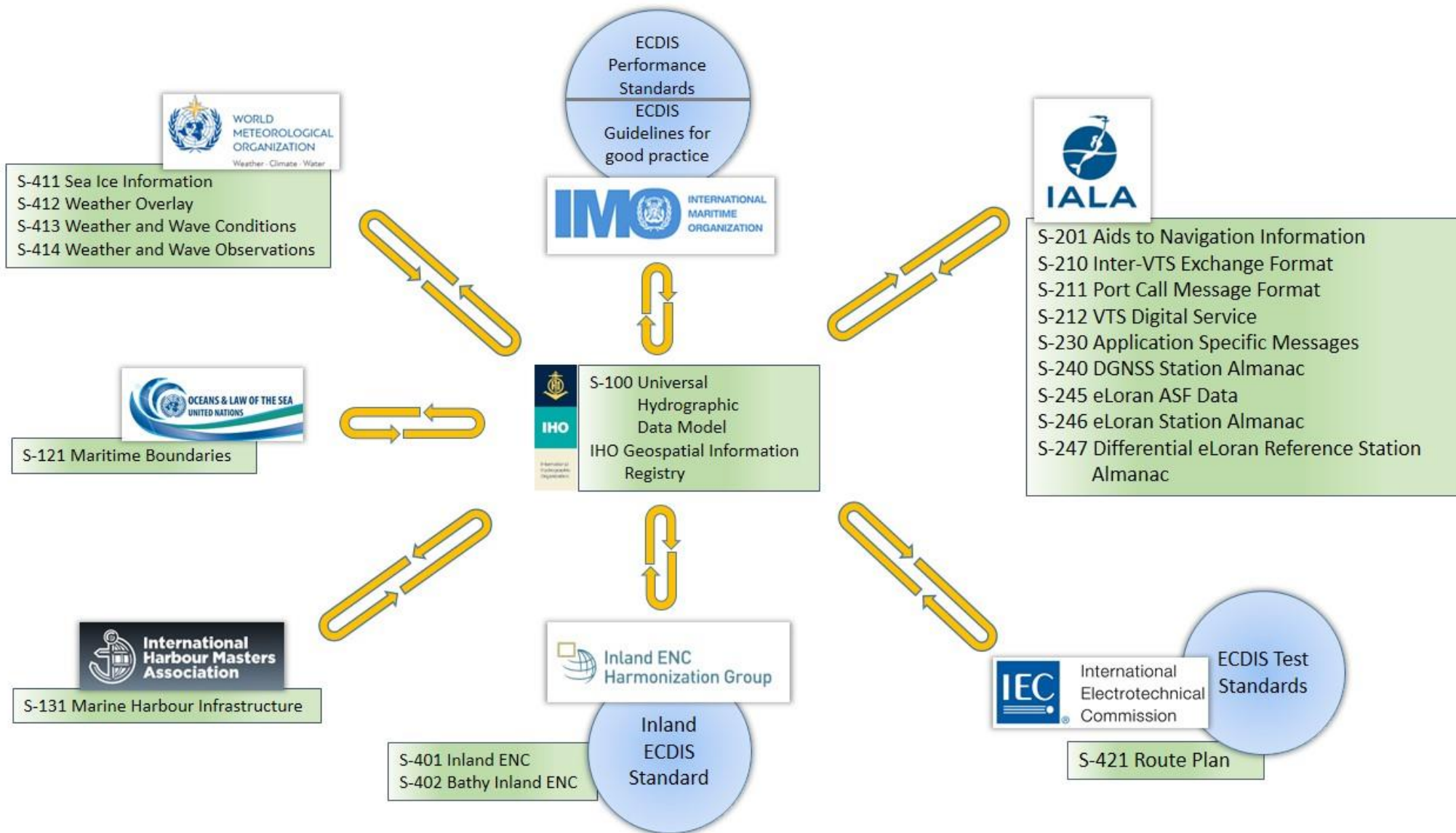
**This verbal report focuses items resulting from decision of the recent
5th meeting of the IHO Council**



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The S-100 eco-system is taking shape

International Hydrographic Organization

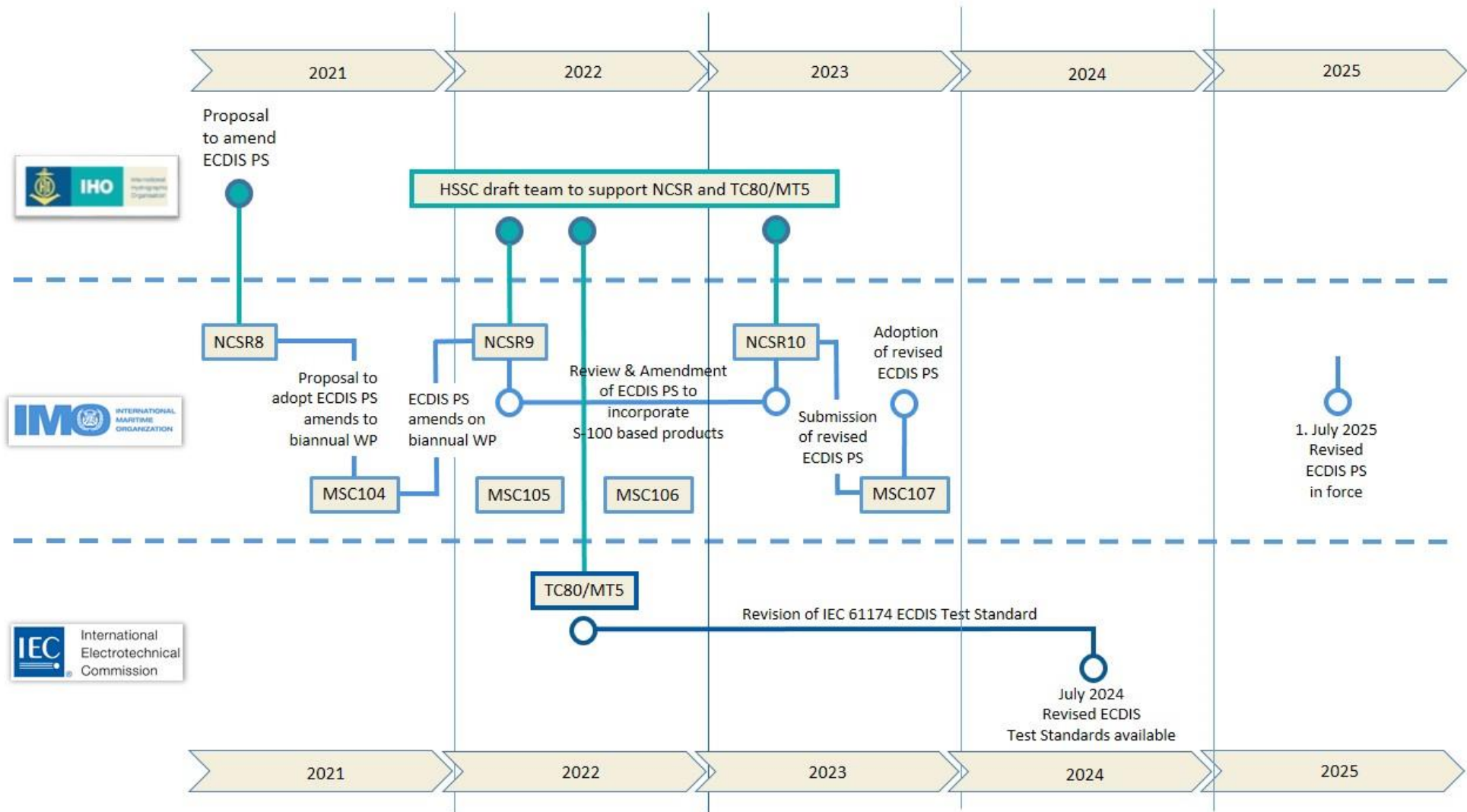




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The road to S-100 ECDIS – IHO committed to deliver

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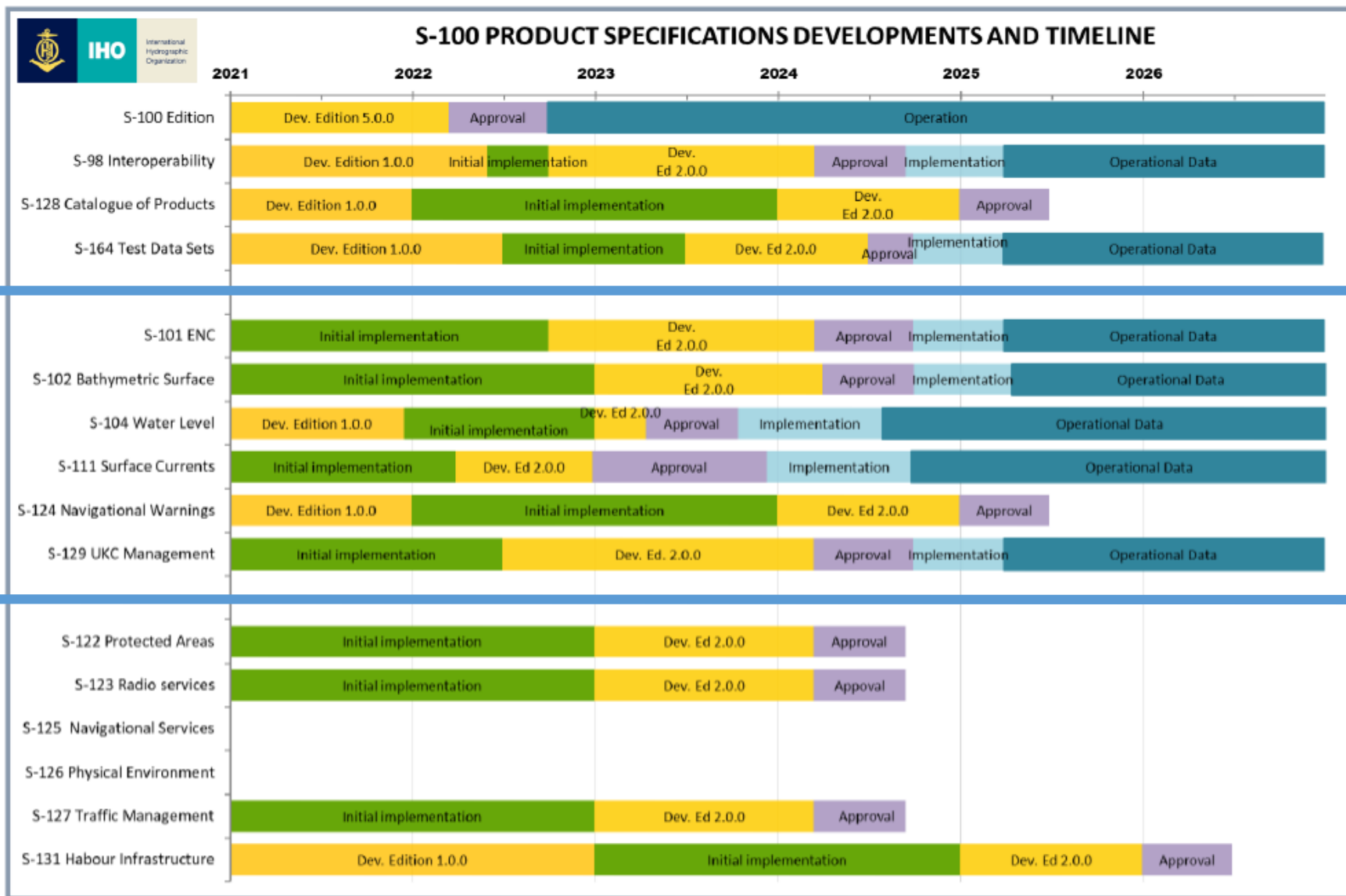




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The S-100 eco-system is taking shape

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Priority 1 Products

Regional rollout of S-100 based data services can be the door opener



Implementation of IHO Strategic Plan

How to measure success?

IRCC invites RHCs to contribute to the definition how to measure for:

1.2.2 Percentage of navigationally significant areas (..) for which the adequacy of the hydrographic knowledge is assessed through the use of appropriate quality indicators.

Comment: A smart combination of ENC cartographic and quality features (TSS..) + CATZOC values is the means at hand – GIS iaw IRCC / MSDIWG (ARMSDIWG?) guidelines can do this automatically.

1.3.1 Ability and capability of MS to meet the requirements and delivery phases of the S100 implementation plan.

Comment: Global guidance from IRCC how to measure is required.



Implementation of IHO Strategic Plan How to measure success?

... and further:

2.2.1 Percentage of adequately surveyed area per coastal state.

Comment: Current C-55 is too SOLAS-specific for. BSHC database is the Gold Standard. IRCC through MSDIWG (ARMSDIWG?) to develop guidance for a simpler but applicable model for all regions (using S-44 national databases orders for instance + mix “renewed” C-55). To be done automatically.

2.3.1 Number of HOs reporting success applying the UN shared guiding principles for geospatial information management in order to ensure in their national contexts.

Comment: IRCC to develop more precise guidance how to measure.

**In view of the individual capacity of the respective RHC
keep it SMART to maintain global comparability!**



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New IHO Singapore Innovation & Technology Laboratory (ITL)

First two projects:

- + Testing automated conversion of S-57 to S-101 in support of the dual-fuel concept;
- + Prototyping a S-131 database (and interface) for marine harbor information.

Project Manager is looking forward to more (funded) projects.

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