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EAtHC Report by

International Hydrographic Organization
Dr John Nyberg



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WORKING TO REFORMAT THE SECRETARIAT'S REPORT

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- Commission specific items on first 3 pages
 - Information
 - Opportunities
 - Events
 - Recommendations
- IHO details, expanded recommendations, and additional information in Annex A.



- Please note CL 43/2023 – 2024 timeline for advancing S-100 Phase 1 (route monitoring) product specifications.

Task	IHO CL issue date	MS Response Due
S-100 Edition 5.2.0	March 2024	May 2024
S-100 Phase 1 Endorsement	October 2024	December 2024

- Please be on the lookout for IHO CLs and vote accordingly.
- On-time implementation of S-100 will depend on MS votes.



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OPPORTUNITIES FOR TRAINING AND CAPACITY BUILDING

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- Empowering Women in Hydrography - <https://iho.int/en/basic-cb-sc-ewh>
 - NOAA (USA) 3 shipboard opportunities in 2024 (Usually due mid-March 2024)
 - SHOM (France) two opportunities in hydrographic training (End of January)



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OPPORTUNITIES FOR TRAINING AND CAPACITY BUILDING

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- Master of Science Programme in Hydrographic Science at the University of Southern Mississippi (USA), sponsored by the Republic of Korea – Application Late January 2024.
- IHO - Nippon Foundation Geospatial Marine Analysis and Cartography (GEOMAC) Project, UKHO, Taunton, UK Application Late February - Early March. (CL03/2024)
- Graduate Certificate in Ocean Bathymetry at the University of New Hampshire (UNH), USA sponsored by IHO-IOC-Nippon Foundation/GEBCO due Mid-April (CL12/2024)



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UPCOMING EVENTS

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- Geospatial World Forum – 15-16 May, Rotterdam, Netherlands – Hydrospatial Infrastructure Enabling Integrated Ocean Knowledge Solutions.
- Second IHO-IALA S-100 Workshop – September 2024, Annapolis, Maryland, USA
- Annual GEBCO Week November 2024 – Nadi, Fiji, in partnership with the Fiji Navy Hydrographic Office, SWPHC and the Nippon Foundation-GEBCO Seabed 2030 Project South West Pacific Regional Data Archive Centre (Run by NIWA and Supported by LINZ).



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STATUS OF IHO MEMBERSHIP IN THE EATHC

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99 IHO Members – 2 suspended

Members

Cameroon, Cabo Verde, Democratic Republic of the Congo, France, Ghana, Morocco, Nigeria, Portugal, Spain.

Associate Members

Benin, Congo, Côte d'Ivoire, Guinea, Guinea-Bissau, Mauritania, Senegal, Togo, United Kingdom.

Observers

Angola, Equatorial Guinea, Gabon, Gambia, IALA, Liberia, São Tome and Principe, Sierra Leone, USA.





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STATUS OF IHO EATHC UPDATES

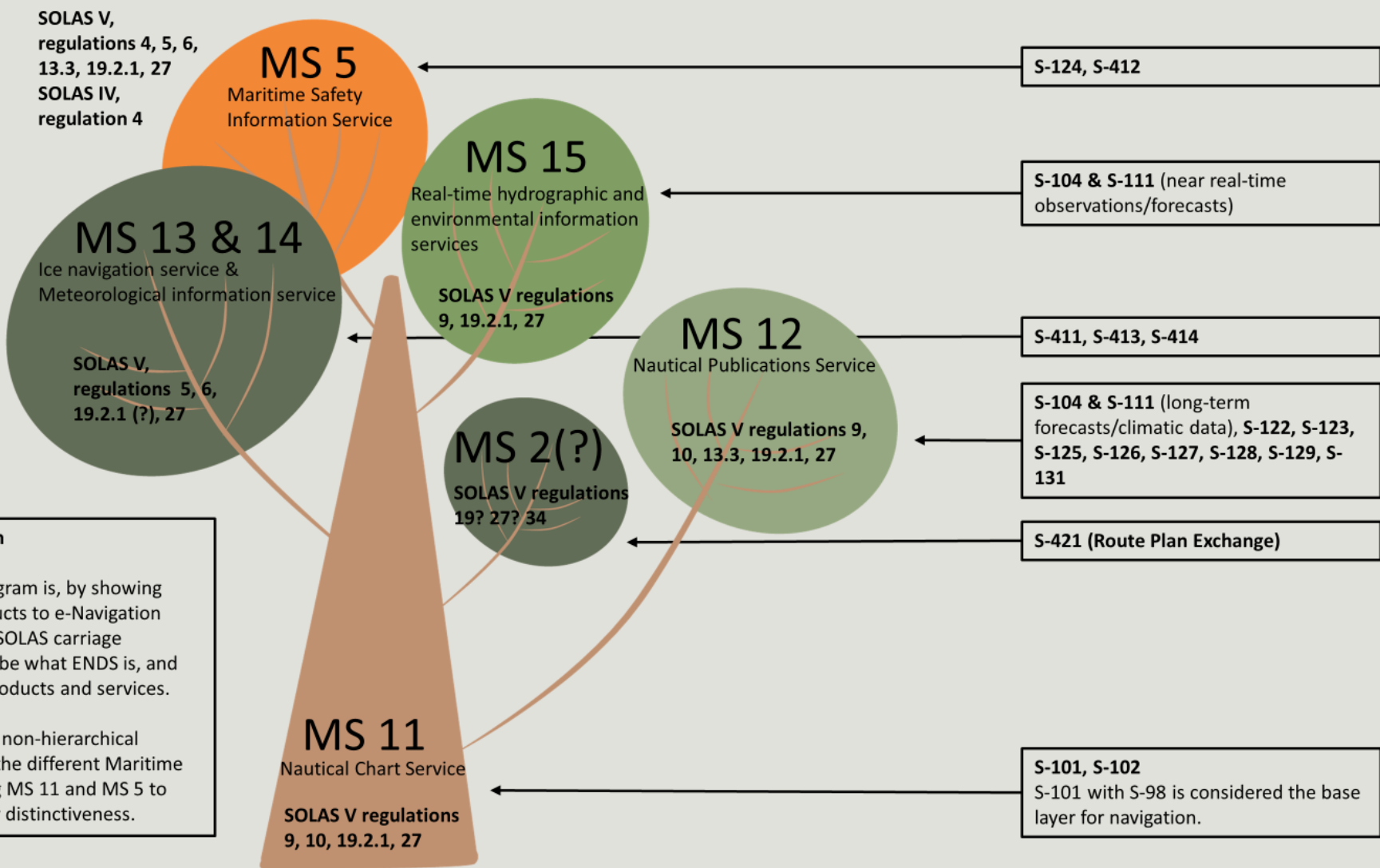
Country	P-5	C-55
Angola	May 2023	September 2022
Benin	February 2022	August 2022
Cabo Verde	January 2024	August 2022
Cameroon	July 2022	August 2022
Congo	September 2019	August 2022
Côte D'Ivoire	February 2019	August 2022
Democratic Republic of the Congo	July 2022	January 2004
Equatorial Guinea	September 2019	August 2022
France	January 2024	August 2022
Gabon	March 2023	August 2022
Gambia	March 2023	July 2019
Ghana	July 2022	May 2017
Guinea	February 2019	August 2022
Guinea Bissau	May 2016	August 2022
Liberia	January 2019	May 2004
Mauritania	October 2022	August 2022
Morocco	April 2023	August 2022
Nigeria	July 2023	October 2018
Portugal	November 2022	August 2022
Sao Tome and Principe	September 2016	August 2022
Senegal	August 2020	August 2022
Sierra Leone	November 2023	-
Spain	August 2022	October 2022
Togo	May 2021	August 2022



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Meeting SOLAS Requirements with S-100? **DRAFT** Work in progress within NIPWG

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The ENDS Tree Diagram

The purpose of this diagram is, by showing how to link S-100 products to e-Navigation Maritime Services and SOLAS carriage requirements, to describe what ENDS is, and also to classify S-100 products and services.

The diagram shows the non-hierarchical relationships between the different Maritime Services, while allowing MS 11 and MS 5 to graphically convey their distinctiveness.

- S-124, S-412
- S-104 & S-111 (near real-time observations/forecasts)
- S-411, S-413, S-414
- S-104 & S-111 (long-term forecasts/climatic data), S-122, S-123, S-125, S-126, S-127, S-128, S-129, S-131
- S-421 (Route Plan Exchange)
- S-101, S-102
S-101 with S-98 is considered the base layer for navigation.



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RECOMMENDATIONS AND INVITATIONS FOR THE COMMISSION'S CONSIDERATION

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- a. Committees are requested to respond to IHO CLs in a timely manner, particularly during Phase 1 implementation of S-100.*
- b. Support the continuation of the EWH project through financial and / or in-kind support, and to provide proposals via the specific webpage (<https://iho.int/en/basic-cbasc-ewh>).*
- c. Provide the IRCC Chair with an update regarding the measurement of those SPI of regional interest allocated to IRCC.*
- d. Conduct a survey within Commission on hosting and attending meetings in the four different modalities (in-person, in-person with live streaming, hybrid, or full VTC).*
- e. Ensure the timely provision of MSI through NAV and MET Area Coordinators.*
- f. Make data freely available for inclusion in the DCDB and the widest possible use, in accordance with IHO Resolution 1/2017.*



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RECOMMENDATIONS AND INVITATIONS FOR THE COMMISSION'S CONSIDERATION

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- g. Provide contributions to the IHO e-Learning Center at KHOA*
- h. Review entries in the IHO Yearbook and C-55 to provide the IHO Secretariat with the appropriate updates or to report no change (CL 20/2019).*
- i. Initiate the preparation of inputs for the review of the IHO Strategic Plan (C7/37 refers)*



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Thank You Very Much

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