

6TH MEETING OF THE IHO ENC STANDARDS MAINTENANCE WORKING GROUP
Virtual Online Meeting, 15-17 June

Contribution to the IHO Work Programme 2021	
Task 2.1.2.2	Organize and prepare meeting (ENCWG)

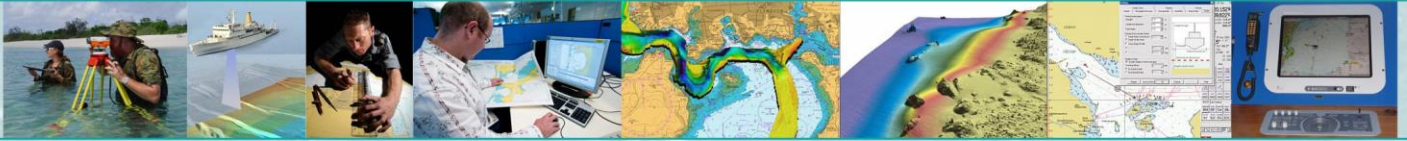
The ENC Standards Maintenance Working Group (ENCWG) held its 6th meeting via remote Video Tele-Conference (VTC), 15 to 17 June 2021. The meeting was attended by 66 delegates from 23 Member States (Australia, Belgium, Brazil, Canada, Chile, China, Denmark, Estonia, Finland, France, Germany, India, Indonesia, Italy, Japan, Korea (Republic of), Netherlands, New Zealand, Norway, Singapore, Sweden, UK, and the USA) and 14 stakeholder organizations. The IHO Secretariat was represented by IHO Director Abri Kampfner, Assistant Director Yong Baek, and Technical Standards Support Officer Jeff Wootton.

The 6th ENCWG discussed items included in the 2021 ENCWG Work Program, including the review of draft Edition 7.0.0 of IHO Publication S-58 – *ENC Validation Checks*; draft Edition 4.2.0 of IHO Publication S-57 Appendix B.1, Annex A – *Use of the Object Catalogue for ENC*; a draft S-63 Cyber-Security guideline; and progress of the S-57 to S-101 Conversion Sub-Group.

Following a recommendation from HSSC13, the ENCWG decided to include Mariner Information Papers such as *Mariners' Guide to Accuracy of Depth Information in ENC* and *Information on ENC Generalization, Over-Scaling and Safety Checking Functions in ECDIS* in existing IHO Publications such as S-67 and S-65. In addition, it was approved to propose a change to the title of S-67 to the next HSSC14 meeting so as to better accommodate such information papers in the future.

Since the publication of Edition 4.0(.3) of S-52 Annex A – *IHO ECDIS Presentation Library*, minor technical improvements had been suggested by stakeholders. It was agreed that the S-52 Sub-Group will review these proposals and prepare a new Clarification version 4.0(.4) of the Presentation Library, if appropriate, for the 7th ENCWG meeting.

The draft Edition 7.0.0 of IHO Publication S-58 – *IHO Validation Checks* was reviewed by the meeting. After discussion and refinement of further amendments suggested at the meeting, the revised final draft was approved. In order to ensure that new validation checks included in S-58 Edition 7.0.0 were in line with ENC encoding guidance, the draft Edition 4.3.0 of IHO Publication S-57 Appendix B.1, Annex A – *Use of the Object Catalogue for ENC* was also discussed and approved at the meeting. Both Publications will be submitted to HSSC14 for endorsement.



The S-57 to S-101 Conversion Sub-Group reported that it is in the process of reviewing a draft of a new S-57 to S-101 Conversion Guidance. This conversion guide references S-101 Edition 1.0.0, which is currently in the development and testing stage. It was proposed that this document is included as an Appendix to the IHO Publication S-65 – *Electronic Navigational Charts (ENCs) Production, Maintenance and Distribution Guidance* in order to flexibly manage the development of this guide in line with moving to S-101 edition 2.0.0. It was agreed to propose this publication plan to HSSC14.

An ECDIS kernel manufacturer recently reported that a version of its ECDIS kernel has an issue in the presentation of submerged navigational hazards (OBSTRN, UWTRC, WRECKS) where the surrounding Group1 objects are deleted or modified as part of an ENC Update. The ENCWG agreed to publish an ENC Encoding Bulletin advising ENC producers to issue ENCs that may be impacted by this issue as New Editions rather than Updates as an interim solution in consideration of navigational safety, and to conduct additional investigation and analysis targeting all ECDIS OEMs registered with the IHO. The results will be reported at an intercessional ENCWG videoconference in the second half of this year.

The ENCWG elected its current chair, Mr Thomas Mellor and vice-chair, Mr Richard Fowle as office bearers to lead the WG for the next intercessional period. The 7th meeting of the ENCWG is scheduled to be held in New Zealand in October or November 2022, with an intercessional videoconference to discuss the progress of the WG's Work Program to be held in the second half of 2021.



Some of the participants of the 6th ENCWG remote meeting.