



# 15<sup>th</sup> Meeting of the Hydrographic Services and Standards Committee

## Report of the ENCWG

### Agenda Item 5.2

HSSC-15, Helsinki, Finland, 5 – 9 June 2023



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# PRINCIPAL ACTIVITIES AND ACHIEVEMENTS

International  
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1. Published S-58 Validation Checks edition 7.0
2. Drafted cyber security guideline
3. In collaboration with DQWG preparing new combined guidance for Mariners on the use of ENC's in ECDIS
4. S-52 clarification 4.0.4
5. Drafted S-64 new edition 4.0 for HSSC endorsement
6. S-65 Annex C - S-101 to S-57 Conversion work commenced on edition 1.0.0 to align with S-101 edition 1.1.0



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## S-58 VALIDATION

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### HSSC action 14/35

- S-58 test data sets have been updated to align with edition 7.0 and are available to download from the IHO web site,
- 5 open proposals for amendments to S-58 on the IHO Github
- A review is underway to establish if a possible change edition 7.1.0 is required
- If its deemed necessary this will be prepared for approval at ENCWG8 ( Sept 23) with submission to HSSC16 in 2024



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# CYBER SECURITY GUIDANCE

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HSSC14/43 (Please see associated input paper for details)

- Draft cyber security guidance created. Mariner information to minimise risks when transferring ENC data and permits to the ECDIS either using removeable media or via a bridge network.
- Guidance is currently being approved by the ENCWG.
- On approval the guidance will be included in the new edition of S-67 which is being drafted to consolidate S-67, S-66 and the associated information papers



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# IHO S-67 MARINERS GUIDE TO USE OF ENCS IN ECDIS

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HSSC14/40 (Please see associated input paper for details)

- New structure agreed by ENCWG and DQWG, document is currently being constructed by UKHO.
- Expected delivery date 31 May 2023
- A comprehensive review of the content must be undertaken to remove duplication and outdated content.
- Cyber security guidance to be included
- Expected delivery date HSSC 16



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# S-64 TEST DATASETS EDITION 4.0

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## HSSC14/38

- New edition of S-64 has been created for endorsement by HSSC. The NE includes a new section 8 to cover the Skin of the Earth tests.
- During ENCWG7 no member state was willing to resource the reformatting of the document to use the template approved by HSSC 14. Therefore the new edition still uses the original formatting.
- External impact assessment and review conducted with OEMs on the S-63 security scheme and the CIRM ECDIS WG
- Feedback from the review has indicated a need for edition 3.0.3 to remain on the IHO website for backwards compatibility until 2029



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## S-65 ANNEX B - S-57 TO S-101

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### HSSC14/36

- S-57 ENC to S-101 Conversion Guidance document Ed. 1.0.0 was approved by HSSC14 and was published as S-65, Annex B (May 2022).
- Edition 1.1.0 draft in progress :
  - has been aligned with S-101 FC 1.1.0;
  - sub-Group members review ended 28 February;
  - objective for validation by the ENCWG: 31 May 2023;
- Future work: edition 1.2.0 (to align with S-101 FC 1.2.0)



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# S-65 ANNEX C - S-101 TO S-57

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## HSSC14/41

- Same sub-group than for S-57 to S-101 Conversion.
- S-101 to S-57 Conversion document initiated by Jeff Wootton
  - ✓ based on the S-101 DCEG structure;
  - ✓ sub-group meeting not started yet;
  - ✓ objective: First Edition aligned with S-101 FC 1.1.0





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## PROBLEMS OR OUTSTANDING ISSUES

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1. Within IEC 61174 – ECDIS testing standard, the reference to IHO S-64 is undated. The consequence of an S-64 new edition being published is it becomes effective immediately.
2. During the impact assessment OEMs raised the possibility of an extended transition period from edition 3.3 to 4.0. To limit the impact of the changes to new installations only it is my recommendation to HSSC that the old version of S-64 is superseded but will remain valid and listed on the IHO webpages with an expiry of 1st Jan 2029



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# **FUTURE WORK PROGRAMME**

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## 1. IHO Lab conversion project

- Discussion regarding the possibility of running the conversion document testing as a workshop in Singapore during July 2023



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## ACTIONS REQUESTED FROM HSSC

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1. Note the report of ENCWG
2. Endorse S-64 edition 4.0.0, supersede edition 3.0.3. and agree to concurrently list both editions on the IHO website until 1<sup>st</sup> Jan 2029
3. Agree to the endorsement of IHO S-67 Mariners Guide to use of ENCs in ECDIS to take place at HSSC 16