



17th Data Quality Working Group (DQWG17) Meeting VTC

S-67 Proposed Name Change ENCWG

**Presented by Tom Mellor
Chair of IHO ENC Standards Maintenance
Working Group**



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BACKGROUND

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Following the grounding of ABFC Roebuck Bay AHS wanted to publish safety information for Mariners on the compilation process of ENC's. The ENCWG agreed and drafted the following paper 'Information on ENC Generalization, Over-Scaling and Safety Checking Functions in ECDIS'

HSSC Letter 03/2020 informed the ENCWG the IHO cannot maintain stand-alone stacked papers, HSSC chair invited the ENCWG to make proposals to be considered at HSSC-12 on the following:

- **With the endorsement of S-67 - Mariners' Guide to Accuracy of Depth Information in Electronic Navigational Charts (ENC), is there a need to amend the information paper, so it is synchronized with S-67, before it is made publicly available at least for consistency purposes?**

Having reviewed S-67, the ENCWG do not believe there is a need to modify the information paper sent to HSSC for approval and publication. The DQWG may wish to consider if Annex B is really appropriate for inclusion within S-67 Accuracy of Depth Information in Electronic Navigational Charts (ENC).

- **What is the information included in this paper that is missing in existing standards and publications (same for the stand-alone paper on "IHO Advice for PSC Inspectors Concerning IHO Standards")? Could this information be incorporated in any of the already existing standards or publications, e.g. S-66 Facts about Electronic Charts and Carriage Requirements**

The information paper gives context to the use of ENC data in ECDIS and seeks to inform Mariners of the limitations when using them beyond their intended purpose. Apart from the very brief overview in S-67 there is currently no IHO Standard or Specification that covers this topic.



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MANAGEMENT OF ENCWG INFORMATION PAPERS

ENCWG TORs State;

Coordinate technical exchange with type-approval authorities, ECDIS manufacturers and ECDIS user community and offer guidance and advice as appropriate

Issue

- Current IHO technical standard and specification guidance documents don't always cover contemporary issues raised by the ECDIS/ENC user community
- ENCWG need to be able to respond to urgent requests for information from ENC users
- IHO technical standards are not always the best conduit for information that has a limited life expectancy

Proposals

- Establish ENCWG LinkedIn account and other social media channels for adhoc requests for information to maximise reach.
- Consider IHO ENCWG website to host ECDIS test datasets and other topical content, similar to www.S-121.com
- Publish ENCWG Information papers in periodicals and trade magazines like the Nautical Institute Seaways publication which is distributed to thousands of Mariners



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HSSC ACTION HISTORY

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ENCWG Information Papers HSSC12/25

In order to ensure proper maintenance of documents, HSSC tasked the ENCWG to consider existing publications in force (S-66, S-67, etc.), or new publications, to incorporate relevant information from ENCWG Mariner Information Papers as part of its programme of work. HSSC-13

Mariner Information Papers HSSC13/33

(former HSSC12/25) In order to ensure proper maintenance of documents, HSSC tasked the ENCWG to consider existing publications in force (S-66, S-67, etc.), or new publications, to incorporate relevant information from ENCWG Mariner Information Papers as part of its programme of work. HSSC-14



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CYBER SECURITY GUIDELINE

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HSSC13 agreed no changes are to be made to S-63 for possible cyber security vulnerabilities. Instead it was approved the ENCWG would develop a new “IHO ECDIS Cyber Security Guideline” document.



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WHERE SHOULD ALL THE ECDIS & ENC INFORMATION FOR MARINERS GO? - IHO STANDARDS

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- S-65 ENCs Production, Maintenance and Distribution Guidance
 - ENC Production guidance for HOs
- S-66 Facts about Electronic Charts and Carriage Requirements
 - Basic information for ECDIS users around ECDIS mandate and electronic charts ENC & RNC
- S-67 Mariners' Guide to Accuracy of Depth Information in Electronic Navigational Charts (ENC)
 - Detailed information regarding depth



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ACTIONS REQUESTED FROM DQWG

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The ENCWG would like to propose to the DWQG a name change from IHO S-67 Mariners' Guide to Accuracy of Depth Information in ENC to, "IHO S-67 Mariners' Guide to use of ENC data in ECDIS".

In proposing this name change it would allow any future additional guidance related to ENC and ECDIS to be more easily incorporated into a single authoritative IHO source, including future cyber security information.



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QUESTIONS