

IHO ENC Maintenance Working Group

Report of the Nautical Cartography WG

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Main Tasks

- Maintain and extend S-4
- Develop new and revised symbology
- Maintain INT1, INT2, INT3
- Maintain and extend S-11 Part A
- Provide technical assistance to other IHO working groups and support regarding the implementation of S-100 Product Specifications



Membership and Meetings

- Membership
 - 29 Member States
 - 3 Expert Contributor Organizations
- Meetings
 - NCWG4, 6 - 9 November 2018 , The Hague, NL
 - Next meeting NCWG5, 5 - 8 November 2019, Stockholm, SE



S-4

- Edition 4.8.0 published, October 2018
 - Available in English, French and Spanish
- Revised clauses include
 - Extended use of 'yacht' symbol
 - New islet symbol
 - Magnetic variation
 - Planes of reference
- Deleted clause
 - LORAN



S-4 (2)

- Clarifications include clauses on
 - Colour of floodlighting
 - Anchor berths
 - Limits of larger scale (ENC) chart
 - Compass roses
- Identified impacts on ENC
 - Possibility to indicate colour of the floodlighting is missing in S-57 and S-101
 - Clarified clause in S-4 says

B-478.2 Floodlighting of a structure [...], should be indicated by the symbol **P63**. The symbol must normally be in magenta or may be in an appropriate colour on ‘multicoloured’ charts where the colour is known and constant.



ENCWG is requested:

- Discuss and agree on how to encode colour of floodlighting in S-57



Topics discussed at NCWG4

- Topics considered included
 - Submarine cables (ICPC)
 - Satellite derived bathymetry
 - Ballast water management areas
 - Offshore solar parks
 - Portrayal of pilot boarding areas on ECDIS
 - Minimum size of isolated shoals
 - Fixed-and-flashing light characters
 - INT1 Section V Data Quality
 - Study on regional ENC scheming, case Caribbean Sea
 - Marine incidents – alarm fatigue
 - Distinction between foul ground and obstruction



Topics discussed at NCWG4 (2)

- Topics considered included

- Seagrass in ENC

- S-4 ed 4.7.0 made a clear distinction between seagrass (plants) and seaweed/kelp (algae)
 - S-57 CATWED supports this distinction
 - S-52 portrays all WEDKLP with the same symbol
→ distinction lost

- Marine incidents – alarm fatigue

- Grounding of the “Muros” on its way from Teesport, UK to Rochfort, France
 - Check route function resulted to more than 3000 warnings



ENCWG is requested:

- Consider adding a distinct symbol for WEDKLP CATWED=3 (Seagrass) in next edition of S-52 PresLib
- Discuss means to reduce false alarms on ECDIS through improved encoding practices



S-4 supplementary publications INT 1, 2 & 3

- INT1
 - English version (DE), Edition 9, October 2018
 - French version (FR), Edition 6, April 2016
 - Spanish version (ES), Edition 6, April 2018
 - New Section V on data quality under consideration
 - Included now in UK NP5011
- INT2, Edition 4, 2007 (NL)
- INT3, Edition 5, 2011 (UK)



S-11 Part A

- Current edition 3.1.0 (February 2018)
- Possible future tasks include revising Section 200 ‘Guidance for the Preparation and Maintenance of ENC Schemes’ to cover also S-101 ENCs
 - Current edition talks specifically about S-57 ENC



Other topics

- The future of the paper chart
 - Preliminary report delivered to HSSC11
 - MS Survey conducted in the upcoming months
 - Final report to be delivered for HSSC12 (May 2020)



Actions requested of ENCWG

- ENCWG is invited to
 - **Note** this report
 - **Discuss and agree** on how to encode colour of floodlighting in S-57
 - **Consider** adding a distinct symbol for WEDKLP CATWED=3 (Seagrass) in next edition of S-52 PresLib
 - **Discuss** means to reduce false alarms on ECDIS through improved encoding practices

