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CIRCULAR LETTER 46/2014
17 June 2014

S-57, APPENDIX B.1, ANNEX A – USE OF THE OBJECT CATALOGUE
S-58 – ENC VALIDATION CHECKS
S-57 SUPPLEMENT No 3

References: A. IHO Circular Letter 18/2014 dated 11 February - *Approval of new editions of IHO Publications: S-57, Appendix B.1, Annex A – Use of the Object Catalogue, S-58 – ENC Validation Checks; S-57 – Supplement No. 3*

Dear Hydrographer,

1. Reference A proposed the adoption of a draft Edition 4.0.0 of the Use of the Object Catalogue for ENC (UOC - S-57, Appendix B.1, Annex A), a draft Edition 5.0.0 of S-58 - *ENC Validation Checks* and a draft S-57 Supplement No 3. The Directing Committee would like to thank the following 45 Member States that replied: Algeria, Argentina, Australia, Bahrain, Belgium, Brazil, Canada, Chile, Colombia, Croatia, Cuba, Cyprus, Denmark, Ecuador, Egypt, Estonia, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Japan, Malaysia, Mexico, Morocco, Netherlands, New Zealand, Norway, Pakistan, Peru, Poland, Portugal, Qatar, Romania, Slovenia, South Africa, Spain, Sweden, Tunisia, Turkey, Ukraine, United Kingdom and USA.

2. All Member States supported the proposals with six Member States providing comments. All comments and the outcome of their review by the Chair of the Transfer Standard Maintenance and Applications Development Working Group (TSMAD) are provided in the Annex to this letter.

3. There are currently 82 Member States of the IHO with three States suspended. Therefore in accordance with paragraph 6 of Article VI of the Convention on the IHO, the majority required for adoption of publications is 40. As a result, Edition 4.0.0 of the UOC, Edition 5.0.0 of S-58 and S-57 Supplement No 3, as amended to reflect the comments received, have been adopted and will be posted on the IHO website.

On behalf of the Directing Committee
Yours sincerely,

A handwritten signature in blue ink, appearing to read 'Gilles Bessero', is written over a light blue circular stamp.

Gilles BESSERO
Director

Annex A: Member States' responses to CL 18/2014 and comments from the TSMAD Chair.

**MEMBER STATES' RESPONSES TO CL 18/2014 AND COMMENTS
FROM THE TSMAD CHAIR**

**S-57, APPENDIX B.1, ANNEX A – USE OF THE OBJECT CATALOGUE
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COLOMBIA

It is recommended to take into consideration the adoption of the Supplement N° 3 when removing a cell. The consecutive number or the identifier of that cell shall not be used again.

Comment from Chairman TSMAD: Agreed; the clause prohibiting the reuse of cell names for base cells is not meant to be applied retroactively.

CROATIA

Croatia has no any objection on the updated UOC (edition 4.0.0), the updated S-58 (edition 5.0.0) and S-57 Supplement No 3. We consider the updates very important and useful for the process of ENC production and validation. Croatia once again highly appreciates the work of the TSMAD Working Group that has resulted in the new editions of publications and S-57 Supplement No. 3.

Comment from Chairman TSMAD: Thank you for these expressions of support.

FRANCE

Edition 4.0.0 of S-57 - Appendix B1 - Annex A - *Use of the Object Catalogue for ENC (UOC)*:

- Edition 5.0.0 of S-58 will officially enter into force at the same time as Edition 4.0.0 of the UOC. Therefore France proposes a modification to paragraph 12.14.1.1 of the UOC, as follows:

“A new validation check (N° 566) for this implementation of **NEWOBJ** ~~will be~~ has been included in ~~the next version~~ edition 5.0.0 of S-58. Until validation tools have implemented ~~the~~ this new check, encoders must consider appropriate validation measures when using the New Object as the correct encoding of the SYMINS attribute is critical to ensuring a correct display in ECDIS.”

Comment from Chairman TSMAD: Agreed; wording amended accordingly in Edition 4.0.0 of the UOC.

- Item 2 of the new paragraph 17 recommends masking the edges of certain objects when these coincide with the coastline. The S-52 standard lays down a display priority of the S-57 objects, the aim of which is precisely to avoid screen clutter with the display of symbols that are not needed, without masking. France proposes that the following sentence be added to specify that this new recommendation is made in order to palliate for the malfunction of certain ECDIS which do not respect the display priorities contained in the S-52 Presentation Library:

2. Area objects having edges coincident with the coastline:

“The recommendations contained in this paragraph for the attention of the producer authorities are aimed at palliating the fact that certain ECDIS do not strictly enforce the display priorities laid down by the S-52 standard, which results in display clutter.”

Comment from Chairman TSMAD: Agreed; the proposed additional paragraph has been included in edition 4.0.0 of the UOC, with minor text change.

ITALY

Please see our comments on Draft S-57 Appendix B.1 Annex A - Use of the Object Catalogue for ENC, section 17 Masking:

- Page A.120: the first sentence (lines 1-4) is not clear; perhaps you would want to say “Where a cell contains an area of no data coverage (M_COVR with CATCOV=2 (no coverage available)), and the ENC. production software **does not** apply automatic truncation (masking) of features extending beyond the limit of data coverage of the ENC, edges of area features extending beyond the internal limit of the area of no coverage may need to be masked manually”.

Comment from Chairman TSMAD: Agreed; wording amended accordingly in edition 4.0.0 of the UOC, with minor change. Truncation is a different operation to masking, therefore “automatic truncation (masking)” has been amended to read “automatic truncation and masking”.

- We think that in table 17.1 (page A.120), you should also add the area objects M_COVR (Coverage available, mask full coverage. No coverage available, don't mask) and M_NSYS.

Comment from Chairman TSMAD: Agreed for M_NSYS, but not for M_COVR as it does not use symbology. Further study of table 17.1 has revealed that M_SREL, which does not use symbology either, had also to be removed. Table 17.1 has been amended accordingly in edition 4.0.0 of the UOC.

- Page A.121, section 4 “Linear” area objects: we think it could be useful to indicate the minimum width of the “very narrow area”. This minimum width could be 0.3 mm at ENC compilation scale such as it is indicated in S-57 Appendix B.1 ENC Product Specification, section 3.8 and S-57 Maintenance Document no. 8 paragraphs 1.Cl.33 and 1.Co.26.

Comment from Chairman TSMAD: Agreed; wording amended accordingly in edition 4.0.0 of the UOC.

- Page A.122: we think the area objects M_COVR and M_NSYS should be removed from table 17.2.

Comment from Chairman TSMAD: Agreed for M_COVR but not M_NSYS as it does have the boundary between System A and System B symbolized. Although this scenario may occur only rarely as described in the example, it should be retained.

UK

A paper submitted to TSMAD 28 outlined various issues with the new edition of S-58 5.0.0. This paper accompanies this response to CL 18/2014.

The issues are mainly as a result of the new, clearer, wording used to describe the tests and underline the decision to undertake the extensive rewrite. The UKHO considers that a small delay in the publication of the new edition is preferable to developing an edition 5.1.0 which would closely follow 5.0.0.

Therefore the UKHO endorses S-58 5.0.0 with the proviso that the TSMAD S-58 Sub-WG reviews the recommended changes and if accepted, incorporates them in this edition.

Comment from Chairman TSMAD: Agreed; issues raised in paper TSMAD28/DIPWG6-12.7a-Version 3 have been taken into account and the recommended changes have been incorporated in the final version of S-58 edition 5.0.0.

USA

At TSMAD28, a paper was put forward highlighting some issues with existing checks in S-58 edition 5.0.0 that is available for familiarization. The paper initially proposed that they go into ed. 5.1.0 of S-58, however, the United States feels that since they were highlighted during the familiarization period of S-58 that they should be included in this edition of S-58. This can be done by the existing S-58 sub-working group via correspondence. The originating TSMAD28 paper that highlights the issues is attached to this response.

Comment from Chairman TSMAD: Agreed; see comment to the response from UK.