

**Paper for Consideration by ENCWG4**  
**UOC revision to reflect changes in S-52 Edition 4.0**

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<b>Executive Summary:</b>	A number of changes have been made to the IHO S-52 Presentation Library to improve the usability of ENC in ECDIS. These changes will require HOs to update their capture policies to ensure they are not double encoding data unnecessarily.
<b>Related Documents:</b>	S-52 Presentation Library Edition 4.0; S-57 Appendix B.1, Annex A - Use of the Object Catalogue for ENC
<b>Related Projects:</b>	NA

### Background

A new edition of S-52 presentation library was issued in September 2014; this came into force in September 2017 and was enforced through a Paris and Tokyo MoU initiated Concentrated Inspection Campaign (CIC) on the safety of navigation.

The symbology instruction for anchorage areas within S-52 Presentation Library 3.4 did not permit the text from the object name to display on the ECDIS screen. The UOC advice to HO's therefore recommended the encoding of sea areas using the same geometry so the anchorage name would display on the ECDIS without the need to perform a pick report. In addition, Presentation Library 3.4 also had no visible display for the S-57 meta object Nautical Publications.

### Analysis/Discussion

S-52 Presentation Library 4.0 has now addressed these issues and the text from the anchorage area object name will now display on the ECDIS screen and the meta feature Nautical Publication will now display points using the information symbol and areas using a grey line style.

### Recommendations

HO's are no longer required to encode sea areas with the sole purpose to display the anchorage names and should remove named sea areas covering anchorage areas used for this purpose at the next NE.

It is recommended that the 2<sup>nd</sup> Remarks bullet related to double encoding of SEAARE in UOC clause 9.2, *Anchorage and prohibited/restricted anchorages; moorings* be deleted.

M\_NPUB information can now accurately be geo referenced within an ENC therefore HOs do not need to capture whole cell M\_NPUB features. It is recommended that the advice in the UOC at clause 2.5 be updated to reflect this change.

Based on the S-52 Presentation Library 4.0 a need also exists to review the UOC for encoding that was designed to reduce alarms in ECDIS as this issue has now also been addressed.

As these suggested changes will require Producing Authorities to amend their ENC data, it is recommended that this constitutes a Revision to the UOC.

**Conclusion**

Based on the changes identified there is a need to create a Revision of the UOC to reflect the changes in S-52 presentation library 4.0.

**Action Required of ENCWG**

The ENCWG is invited to:

- a. Review the issues and agree to produce a NE of the UOC