Paper for Consideration by ENCWG4

Changes to S-57 Appendix B.1, Annex A (UOC) 4.1.0 due to discrepancies with S-52 PL 4.0.2

Submitted by:	Australia (AHO)
Executive Summary:	Some content in Ed 4.1.0 of the UOC is not in line with S-52 PL 4.0.2 and should be amended to maintain consistency between the Standards.
Related Documents:	ENCWG4-05.04, S-57 UOC Ed 4.1.0, S-52 PL 4.0.2 Part I and Part I App E Look-up Table Paper Chart Points.
Related Projects:	Nil

Introduction / Background

A number of ENC display and ECDIS' alarm related improvements introduced by S-52 PL 4.0 (July 2017) had an impact on the content of S-57 Appendix B.1, Annex A (UOC).

Analysis/Discussion

1.   The following UOC sections require changes due to the publication of S-52 PL 4.0:

S-52 Changes	**UOC sections to be reviewed**
Nautical publication – new visible presentation for the meta feature nautical publication.	2.6.1.1 – 1) third bullet point 2.6.2.2 – 7. 2.6.2.3 – 8. & 11. b) 2.6. Delete text: *As **M_NPUB** objects of type area do not display in ECDIS a reference that a related **M_NPUB** object exists should be included using the attributes INFORM or TXTDSC for the **CTNARE**.*
	6.6 – Remarks second bullet point Delete text: *As **M_NPUB** of type area do not display in ECDIS, such areas should be encoded to cover the entire area of data coverage of the cell.*
According to the Points look up table, all SMCFAC objects display using symbol **SMCFAC02**.	4.6.5 – Remarks second bullet point Review text: *If it is required to encode a small craft facility in the water, this should be done using the point primitive encoded on the associated physical object (noting that SMCFAC of type point do not display in ECDIS).*
According to the Points look up table, any PRDARE with CATPRA <> 5, 6, 8 or 9 display using symbol **PRDINS02**.	4.8.13 – Remarks third bullet point Review text: *PRDARE objects of type point and having attribute CATPRA = empty (null) value do not display in ECDIS. Encoders wishing to display these objects in ECDIS must consider alternate encoding options (for example using BUISGL, LNDMRK, OBSTRN, or populating a value for CATPRA from the enumerate list).*

Note: FOR REASONS OF ECONOMY, DELEGATES ARE KINDLY REQUESTED TO BRING THEIR OWN COPIES OF THE DOCUMENTS TO THE MEETING

CSP **WRECKS05** takes into account CATWRK when the WRECKS sits in UNSARE	6.2.1 Guidance would be more accurate if new text in green is added: *Conditional Symbology Procedures in the IHO Specifications for Chart Content and Display Aspects of ECDIS (S-52) Annex A – ECDIS Presentation Library, do not take into account the classification of wrecks as "dangerous" or "non-dangerous" when symbolising WRECKS outside UNSARE. This often results in wrecks, in a DEPARE or DRGARE, being symbolised as an obstruction to navigation where they are actually non-dangerous.*

Conclusions

S-57 Appendix B.1, Annex A (UOC) Ed 4.1.0 and S-52 PL 4.0 are currently not synchronised.

Recommendations

Update the S-57 UOC 4.1.0 as required.

Justification and Impacts

If S-57 UOC is not amended, ENC producers will be double encoding unnecessary details and ECDIS display may end up looking different from expected.

Action Required of ENCWG

The ENCWG is invited to coordinate the update of S-57 Appendix B.1, Annex A (UOC) Ed 4.1.0 as per the findings in this paper and allocate an in depth review for any unreported discrepancy between S-57 UOC 4.1.0 and S-52 PL 4.0.2.