

<p align="center">19th TSMAD MEETING 26-30 October 2009, Sydney, Australia</p>
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Paper for Consideration by TSMAD**Report from the ENC Encoding Bulletin Sub-Working Group**

Submitted by:	ENC Sub-Working Group Coordinator (Jeff Wootton)
Executive Summary:	Issues for the attention of TSMAD from the ENC EB Sub-WG
Related Documents:	
Related Projects:	S-57 Maintenance; S-101 Development

Introduction / Background

The ENC Encoding Bulletin Sub-Working Group is a sub-working group of TSMAD. Its function is the development and approval of ENC Encoding Bulletins and Frequently Asked Questions which are designed to address inconsistencies in methods of encoding data and emerging issues that affect the way ENC's are encoded and displayed. Since S-57 has been "frozen" on publication of Edition 3.1, the ENC Encoding Bulletin Sub-Working Group has become the principle group through which maintenance issues in S-57 have been addressed. In addition, ENC Encoding Bulletins will provide the basis for proposals to the IHO Hydrographic Register and/or proposals for enhancements from S-57 within the S-101 development process.

Where consensus is reached within the Sub-Working Group on the content of an ENC Encoding Bulletin, it is considered to constitute TSMAD approval, resulting in publication on the IHO web site without further consultation with TSMAD. If consensus cannot be reached on the content of any Encoding Bulletin, it must be referred to the full TSMAD for discussion, guidance and resolution. The following report is a summary of the activities of the ENC Encoding Bulletin Sub-Working Group since TSMAD18.

Analysis / Discussion

The following ENC Encoding Bulletins/FAQs have been published on the IHO web site since TSMAD18:

- EB 28/FAQ 28, 29 New attribute values in S-57 Edition 3.1;
- EB 29/FAQ 30 Objects permitted for use in ENC and their geometric primitives (non-display of features in ECDIS);
- EB 30/FAQ 31 Various special types of lights (strip lights);
- EB 31/FAQ 32, 33 Updating (file size and data coverage limits);
- EB 32 Wrecks.

The following ENC Encoding Bulletins/FAQs are currently in development/review:

- EB/FAQ on Feature Object Identifiers (FOID) – multiple occurrences of a single feature within a cell;
- FAQ on depiction of minimal detail;
- EB/FAQ on wind/current farms and underwater turbines.

Recommendations

None.

Justification and Impacts

None

Action required of TSMAD

TSMAD is invited to:

- a. Note this report