



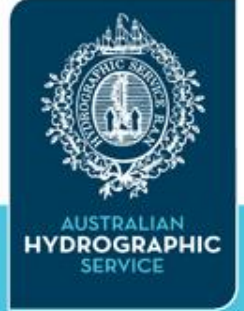
Australian Government
Department of Defence



IHO Transfer Standard Maintenance and Application Development Working Group

S-101 Data Classification and Encoding Guide (DCEG)
Sub-Working Group

Report to TSMAD26/DIPWG5

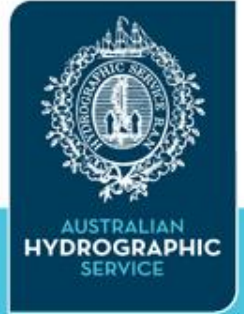


- DCEG Sub-WG1 – Wollongong January 2012
- DCEG Sub-WG2 – Monaco May 2012
- DCEG Sub-WG3 – Tokyo January 2013
- TSMAD 1st Review of DCEG – February-April 2013
- **DCEG Sub-WG4 – Silver Spring June 2013.**



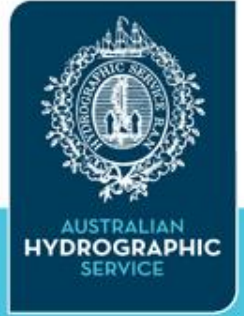
TSMAD Review

- Just under 500 review comments received.
- A number of new proposals submitted for Sub-WG discussion.
- Significant contribution from US NGA supporting alignment with NATO efforts.



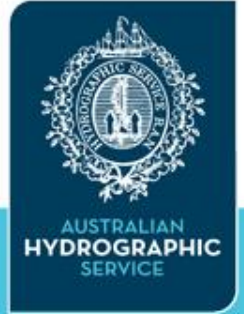
DCEG Sub-WG4 Discussions

- Text placement – new clause in the Introductory section.
- A number of issues relating to quality of bathymetric data discussed – referred to DQWG.
- Minimum and maximum display scales for Coverage remodelled to enumerate attribute type.
- Nautical Publications meta feature removed from S-101 ENCs.
- Orientation removed from Navigational System of Marks – new feature to encode direction of buoyage.



DCEG Sub-WG4 Discussions

- Ice information – some additional values required for S-101 ENC's (seasonal ice)?
- Display of some features (e.g. Sloping Ground) – proposal to be developed for DIPWG.
- Pingo's re-modelled.
- Bridge span feature re-modelled to remove conditional mandatory attributes.
- New proposal for encoding works in progress (UK).



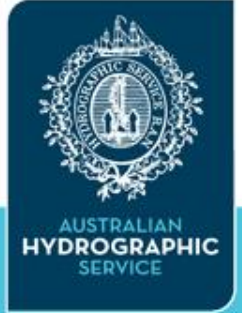
DCEG Sub-WG4 Discussions

- New system attributes “minimum surrounding depth” and “default clearance depth” to remove portrayal CSP for wrecks, underwater rocks and obstructions.
- Proposal to be developed for new feature “Buoy Non-navigational”.
- Slight re-modelling of lights to have all sector lights as a single feature.
- Navigation aids section re-structured to be more logically ordered.



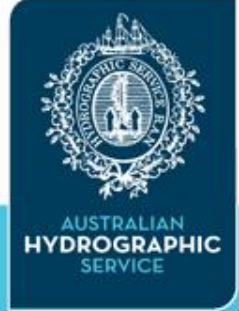
DCEG Sub-WG4 Discussions

- Retroreflector re-modelled to complex attribute for navigation aids.
- New proposal for AIS Aids to Navigation accepted.
- Crosswalk document for S-57 to S-101 to aid S-57 compilers.
- Rationalisation of definitions – considered to greatly improve.



What Happens Next??

- Incorporate results of discussions from DCEG Sub-WG4 in the document (July 2013).
- DCEG Sub-WG review (August 2013).
- TSMAD Review (September 2013).
- “Baseline” version 0.0.1 of DCEG for FC and Test Bed development (October 2013?).



And Most Important of All

2.6 Description of table format for S-101 meta and geo features

X.X **Clause heading**

<u>IHO Definition:</u> FEATURE: Definition. (Authority for definition).				
<u>S-101 Geo Feature:</u> Feature (S-57 Acronym) S-101 feature and corresponding S-57 acronym				
<u>Primitives:</u> Point, Curve, Surface Allowable geometric primitive(s)				
<i>Real World</i> Example if real world instance(s) of the Feature.	<i>Paper Chart Symbol</i> Example(s) of paper chart equivalent symbology for the Feature.	<i>ECDIS Symbol</i> Example(s) of ECDIS symbology for the Feature.		
S-101 Attribute	S-57 Acronym	Allowable Encoding Value *	Type	Multiplicity
Category of beer		1 : ale 2 : lager 3 : porter 4 : stout 5 : pilsener 6 : bock beer 7 : wheat beer	EN	1,1