

**11th TSMAD MEETING**  
**10 – 12 November 2004, IHB, Monaco**

**Proposed Changes to S-57 HYDROGRAPHIC DATA DICTIONARY**  
**SUBMITTED BY AUSTRALIA SEPTEMBER 2004**

**Work Item 2.1 – Proposal**  
**S-57 FEATURE OBJECT Review**

**Updated 10 Oct 03**

**Country / Organisation / Author:** AU/AHO/Roberts

**Date of proposal:** 29 Oct 2003

**TSMAD Document Ref:** (see note 1) **WI2.1Prop#Rev**

**Date proposal registered**

<p><b>Proposal Form</b></p> <p><b>General</b> – Proposals for a new object must use the following criteria:</p> <ol style="list-style-type: none"> <li>1. It is hydrographic in nature.</li> <li>2. It must not duplicate an existing object.</li> <li>3. It is not defined as an attribute of another object.</li> </ol> <p>If there is any uncertainty then forward this form to the administrator and it will be considered by the work item group.</p> <p><b>Change</b> – Change (See Note 2).  <b>New</b> – New (See Note 2).</p>	<p><b>Note 1:</b>  There must be only one submission per form, which will be allocated a reference number. This number must be used as the subject matter for all emails concerned with this proposal.</p> <p><b>Note 2:</b>  <b>Change</b> – correction or clarification to an existing object.  <b>New</b> - new object</p> <p><b>Note 3:</b>  <b>Comments</b> – comments must be added in the appropriate table below, one for each contributor. Copy and paste a new table as required.</p>
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**Related to what type of product (eg. ENC's): Hydrographic in general (authoritative feature)**

OBJECT PROPOSAL										Change: <input checked="" type="checkbox"/> New: <input type="checkbox"/>	
Object Class Name: Buoy, IALA special purpose ('/general' deleted)								Acronym: <b>BOYSPP</b>			
Attribute Type A				Attribute Type B				Attribute Type C			
1	BOYSHP	11	NOBJNM	1		11		1			
2	CATSPM	12	OBJNAM	2		12		2			
3	COLOUR	13	PEREND	3		13		3			
4	COLPAT	14	PERSTA	4		14		4			
5	CONRAD	15	STATUS	5		15		5			
6	DATEND	16	VERACC	6		16		6			
7	DATSTA	17	VERLEN	7		17		7			
8	<b>FUNCTN</b>	18		8		18		8			
9	MARSYS	19		9		19		9			
10	NATCON	20		10		20		10			
<p>Remarks:</p> <p>The buoy should comply with the IALA Maritime Buoyage System. Another function of these buoys may be to define the boundaries of a channel within a channel, or to mark the centreline of a channel.</p> <p>Distinctions: Add buoy in general to distinctions (if required for E4?).</p>											
References:											
INT 1:											
M 4:											

Other:
<p>Definition:</p> <p>A prominent specially constructed <b>floating</b> object, forming a conspicuous mark that may indicate to the mariner a special area or feature, referred to in nautical documents, rather than to assist navigation.</p>
<p>Full citation of definition (mandatory). (You must provide details of the full title, year of publication, edition, author, publisher, ISBN if available). When more than one source is used to draft a definition, specify which is the primary source (P).</p> <p>Combination of S-32 420 (beacon), 579 (buoy special) and NP 735 6.1 (<b>P</b> special marks) with further additions (in <b>red</b>) by Roberts.</p> <p>International Hydrographic Organization Hydrographic Dictionary, 1994, Part 1, Volume 1, English, Special Publication No. 32, Fifth Edition, Monaco 600-XII-1994, S-32.</p> <p>IALA Maritime Buoyage System Combined Cardinal and lateral System, 1994, Edition 5, NP 735, Published by the Hydrographic Office, Admiralty Way, Taunton, Somerset, England.</p>
<p>ISO 19135 field: RE_SimilarityToSource value (mandatory):</p> <ul style="list-style-type: none"> <li>a. Identical - means that literally the definitions are the same word-for-word (or so close as to be effectively indistinguishable).</li> <li>b. Restyled - might result from language/spelling choices (e.g., color/colour) or particular conventions in a document (e.g., S-32 use of ALLCAPS to mean that the expression is that defined elsewhere in S-32).</li> <li>c. ContextAdded - might result from the addition of information explicitly to the definition that was only implicit in the source (e.g., the knowledge that in S-32 the term "basin" has a restricted meaning that might not apply in our use in a register where perhaps we need to distinguish a "hydrographic basin" from a "wash basin").</li> <li>d. Generalization- means that an instance of data meeting one definition won't meet the other in either direction, but will meet it in one direction (a specialized instance is valid for the generalized definition, but not the reverse). Also refers to definitions composed from more than one source.</li> <li>e. Specialisation – the definition has been specialised to have a narrower meaning than the concept defined in the source. This may be the case for some hydrographic terms.</li> </ul> <p>Specialization.</p>
<p>Justification (mandatory):</p> <p>New object <b>BOYGEN</b> is an approved extension to S-57 E4, subject to final approval by the S-57 Extensions sub-group to TSMAD. (This proposal assumes that the <b>BOYGEN</b> will be adopted for E4. The existing definition of <b>BOYSPP</b> needed to be reviewed anyway, which I have done above. Additional attribute FUNCTN added to permit two proposed new values for BOYSPP in particular (see separate proposal).</p>
<p>Comments: Please read all three citations when reviewing the new definition. NP 735 refers to buoys marking a channel within a channel or the centreline of a channel (now moved as part of the remarks). The term IALA has been added to the object class name, which may be a point of contention, but this helps to distinguish it from the <b>BOYGEN</b> which cannot be classified as IALA. I have also added a sentence to the definition regarding IALA using the term 'should' intentionally. Originally I had the second sentence of the remarks as part of the definition. I really am not sure where best to place this as the proposed new enumerators for FUNCTN relate directly to this part of the remarks.</p>
<p>Are other objects, attributes, enumerators or sections of S-57 affected by this proposal, if so, which appendix, annex, clause number, etc</p> <p>YES Appendix A, Chapter 1 BCNGEN, BOYGEN, BCNSPP</p> <p>Appendix A, Chapter 2 FUNCTN (new enumerators)</p> <p>Appendix B.1 Annex A UOC 12.3.1, table 12.2, 12.4.1, table 12.3</p> <p>Appendix A, Annex B Cross Ref (all references to beacon, special purpose and buoy, special purpose, and add BCNGEN and BOYGEN. Add BOYSPP to FUNCTN.</p>

Has a separate proposal been made for the related sections of S-57. If so when. (This fact needs to be cross-referenced).

YES, if this new definition is adopted, there are two new enumerators for the attribute FUNCTN, defining a channel within a channel, and defining the centreline of a channel (see separate proposal).

YES: proposed changes to BCNGEN, BOYGEN and BCNSPP for E4 (see separate proposals)

<b>Comments</b>	<b>Date:</b>
<b>Name :</b>	<b>Organisation:</b>

<b>Comments</b>	<b>Date:</b>
<b>Name :</b>	<b>Organisation:</b>