

**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:** 16 Oct 03

**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).<br/> <b>New</b> – New (See Note 2).</p> | <p><b>Note 1:</b><br/> 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><br/> <b>Change</b> – correction or clarification to an existing object.<br/> <b>New</b> - new object</p> <p><b>Note 3:</b><br/> <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) or generally hydrographic in nature.** Hydrographic

**Should this be considered as an authoritative reference for the register?** YES

|  |               |    |        |    |                  |    |  |    |        |  |  |  |  |  |  |  |  |  |  |
|--|---------------|----|--------|----|------------------|----|--|----|--------|--|--|--|--|--|--|--|--|--|--|
| OBJECT PROPOSAL  |               |    |        |    |                  |    |  |    |        | Change: <input checked="" type="checkbox"/> to extensions    New: <input checked="" type="checkbox"/> for E4 |  |  |  |  |  |  |  |  |  |
| Object Class Name: Buoy, in general  |               |    |        |    |                  |    |  |    |        | Acronym: <b>BOYGEN</b>   |  |  |  |  |  |  |  |  |  |
| Attribute Type A   |               |    |        |    | Attribute Type B |    |  |    |        | Attribute Type C   |  |  |  |  |  |  |  |  |  |
| 1  | BOYSHP        | 11 | HEIGHT | 1  | INFORM           | 11 |  | 1  | RECDAT |  |  |  |  |  |  |  |  |  |  |
| 2  | COLOUR        | 12 | MARSYS | 2  | NINFOM           | 12 |  | 2  | RECIND |  |  |  |  |  |  |  |  |  |  |
| 3  | COLPAT        | 13 | NATCON | 3  | NTXTDS           | 13 |  | 3  | SORDAT |  |  |  |  |  |  |  |  |  |  |
| 4  | CONDTN        | 14 | NOBJNM | 4  | PICREP           | 14 |  | 4  | SORIND |  |  |  |  |  |  |  |  |  |  |
| 5  | CONRAD        | 15 | OBJNAM | 5  | SCAMAX           | 15 |  | 5  |        |  |  |  |  |  |  |  |  |  |  |
| 6  | CONVIS        | 16 | PEREND | 6  | SCAMIN           | 16 |  | 6  |        |  |  |  |  |  |  |  |  |  |  |
| 7  | DATEND        | 17 | PERSTA | 7  | TXTDSC           | 17 |  | 7  |        |  |  |  |  |  |  |  |  |  |  |
| 8  | DATSTA        | 18 | STATUS | 8  |                  | 18 |  | 8  |        |  |  |  |  |  |  |  |  |  |  |
| 9  | ELEVAT        | 19 | VERACC | 9  |                  | 19 |  | 9  |        |  |  |  |  |  |  |  |  |  |  |
| 10   | <b>FUNCTN</b> | 20 | VERDAT | 10 |                  | 20 |  | 10 |        |  |  |  |  |  |  |  |  |  |  |
|  |               | 21 | VERLEN |    |                  |    |  |    |        |  |  |  |  |  |  |  |  |  |  |
| Remarks:   |               |    |        |    |                  |    |  |    |        |  |  |  |  |  |  |  |  |  |  |
| Topmarks, light, fog signal, radar reflector and retro-reflector are separate objects.   |               |    |        |    |                  |    |  |    |        |  |  |  |  |  |  |  |  |  |  |
| Distinctions: Buoy lateral; buoy safe water; buoy isolated danger; buoy cardinal; buoy installation; buoy special purpose; mooring/warping facility. |               |    |        |    |                  |    |  |    |        |  |  |  |  |  |  |  |  |  |  |
| References:  |               |    |        |    |                  |    |  |    |        |  |  |  |  |  |  |  |  |  |  |

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| INT 1:  |
| M 4: B-460  |
| Other:  |
| <p>Definition:</p> <p><del>A buoy is a</del> A floating object moored to the bottom in a particular place, as an aid to navigation or for other specific purposes, <a href="#">the appearance and/or purpose of which is not adequately known</a>. (<del>adapted from the IHO Dictionary, S 32, 5<sup>th</sup> Edition, 565</del>).</p> <p>Buoy in general: — A buoy whose appearance and/or purpose is not adequately known.</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>International Hydrographic Organization Hydrographic Dictionary, 1994, Part 1, Volume 1, English, Special Publication No. 32, Fifth Edition, 565, Monaco 600-XII-1994, S-32.</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><a href="#">ContextAdded</a></p> |
| <p>Justification (mandatory):</p> <p>This is an approved extension for E4 (subject to review) but the conversion of the S-57 object catalogue to the E3.1 database for the register has caused problems with the definition of <b>BOYSPP</b>. If we introduce <b>BOYGEN</b> now for E4, it may help to rectify the inconsistency issues with <b>BOYSPP</b>. Blue has been used to highlight the changes to the previously approved definition and I have also added a new attribute FUNCTN provided for in the remarks for <b>BOYSPP</b> (see separate proposal for FUNCTN)</p>   |
| <p><a href="#">Comments:</a></p>  |
| <p><a href="#">Are other objects, attributes, enumerators or sections of S-57 affected by this proposal, if so, which appendix, annex, clause number, etc.</a></p> <p>YES Appendix A, Chapter 1 BCNGEN, BCNSPP, BOYSPP<br/> Appendix A, Chapter 2 FUNCTN (new enumerators)<br/> Appendix B.1 Annex A UOC 12.3.1, table 12.2, 12.4.1, table 12.3<br/> Appendix A, Annex B Cross Ref (all references to beacon, special purpose and buoy, special purpose, and add BCNGEN and BOYGEN. Add BOYGEN to FUNCTN.</p>   |

UOC new entry required and possible cross reference to BCNSPP.

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

YES for BCNSPP, BOYSPP, BCNGEN, same month Oct 03

## GEO OBJECT CLASSES

|                                       |
|---------------------------------------|
| Object Class: <b>Buoy, in general</b> |
|---------------------------------------|

Acronym: **BOYGEN**

Code

: ?

Set Attribute\_A: BOYSHP; COLOUR; COLPAT; CONRAD; DATEND; DATSTA; **FUNCTN**; MARSYS; NATCON; NOBJNM; OBJNAM; PEREND; PERSTA; STATUS; VERACC; VERLEN;

Set Attribute\_B: INFORM; NINFOM; NTXTDS; PICREP; SCAMAX; SCAMIN; TXTDSC;

Set Attribute\_C: RECDAT; RECIND; SORDAT; SORIND;

### Definition:

~~A buoy is a~~ **A** floating object moored to the bottom in a particular place, as an aid to navigation or for other specific purposes, **the appearance and/or purpose of which is not adequately known.** (adapted from the IHO Dictionary, S-32, 5<sup>th</sup> Edition, 565, **ISO source is contextAdded**).

**~~Buoy in general: A buoy whose appearance and/or purpose is not adequately known.~~**

### References:

INT 1:

M-4: 460;

### Remarks:

Topmarks, light, fog signal, radar reflector and retro-reflector are separate objects.

Distinction: Buoy lateral; buoy safe water; buoy isolated danger; buoy cardinal; buoy installation; buoy special purpose; mooring/warping facility.

***Note: Blue changes by Roberts 7 Oct 03 which have not been approved by TSMAD.***

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

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