

**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**

Template updated 10 Oct 03

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

**Date of proposal:** 23 Sep 04

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

**Date proposal registered**

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| <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: Hydrographic in general, IHO authoritative, ENC PS**

|  |        |    |        |                  |        |    |  |                        |        |   |  |
|--|--------|----|--------|------------------|--------|----|--|------------------------|--------|---|--|
| OBJECT PROPOSAL  |        |    |        |                  |        |    |  |                        |        | Change: <input type="checkbox"/> New: <input checked="" type="checkbox"/> |  |
| Object Class Name: Environmentally Sensitive Sea Area (ESSA) |        |    |        |                  |        |    |  | Acronym: <b>ESSARE</b> |        |   |  |
| Attribute Type A   |        |    |        | Attribute Type B |        |    |  | Attribute Type C       |        |   |  |
| 1  | AUTHTY | 11 | PEREND | 1                | INFORM | 11 |  | 1                      | RECDAT |   |  |
| 2  | CATMAR | 12 | PERSTA | 2                | NINFOM | 12 |  | 2                      | RECIND |   |  |
| 3  | CATREA | 13 | RESTRN | 3                | NTXTDS | 13 |  | 3                      | SORDAT |   |  |
| 4  | DATEND | 14 | STATUS | 4                | PICREP | 14 |  | 4                      | SORIND |   |  |
| 5  | DATSTA | 15 | VERDAT | 5                | SCAMAX | 15 |  | 5                      |        |   |  |
| 6  | JRSDTN | 16 |        | 6                | SCAMIN | 16 |  | 6                      |        |   |  |
| 7  | LEGISN | 17 |        | 7                | TXTDSC | 17 |  | 7                      |        |   |  |
| 8  | NATION | 18 |        | 8                |        | 18 |  | 8                      |        |   |  |
| 9  | NOBJNM | 19 |        | 9                |        | 19 |  | 9                      |        |   |  |
| 10   | OBJNAM | 20 |        | 10               |        | 20 |  | 10                     |        |   |  |
| Remarks:   |        |    |        |                  |        |    |  |                        |        |   |  |
| Distinctions: ADMARE, CTNARE, RESARE                         |        |    |        |                  |        |    |  |                        |        |   |  |
| References:  |        |    |        |                  |        |    |  |                        |        |   |  |
| INT 1:   |        |    |        |                  |        |    |  |                        |        |   |  |
| M 4: <b>B-437</b>  |        |    |        |                  |        |    |  |                        |        |   |  |
| Other: <b>IHO CL 46/2004</b>                                 |        |    |        |                  |        |    |  |                        |        |   |  |

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| <p><b>Definition:</b><br/>A generic term which may be used to describe a wide range of areas, considered sensitive for a variety of environmental reasons.</p>  |
| <p><b>Full citation of definition (mandatory).</b> (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).<br/>IHO Chart Specifications of the IHO and Regulations of the IHO for International (INT) Charts, 1988 (and corrected), M-4 B-437, published by the International Hydrographic Bureau, Monaco.</p>  |
| <p><b>ISO 19135 field: RE_SimilarityToSource value (mandatory):</b></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>Identical</p> |
| <p><b>Justification (mandatory):</b><br/>A new symbol for ESSA has been introduced into M-4 for use on paper charts. It will therefore also appear on RNCs and will need to be encoded for ENC's. A new object has been selected to allow the mariner to turn the object on/off on the ECDIS display. New attributes 'authority' and 'legislation' have been added to permit an encoder to add the reference to the authority that is responsible for the administration, management, jurisdiction and or the policing of a particular marine area. Legislation has been proposed to reference the act, regulation, gazette, statute, court rule or judicial action, which established the area.</p>  |
| <p>Are other objects, attributes, enumerators or sections of S-57 affected by this proposal, if so, which appendix, annex, clause number, etc YES<br/>New objects proposed ACHSLN, ASLXLN; new attributes proposed AUTHTY, CATMAR, LEGISN, additions to STATUS</p>  |
| <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<br/>New objects proposed ACHSLN, ASLXLN; new attributes proposed AUTHTY, CATMAR, LEGISN, additions to STATUS.</p>  |
| <p><b>Comments:</b> rather than include an ESSA as an attribute to a generic maritime area or maritime boundary/limit/zone, it is recommend this be considered as a separate object. Both ESSAs and PSSAs are in the final stages of development for the paper charts (M-4) and are expected to be approved by member states this year (2004). TSMAD suggested to CHRIS that the existing object RESARE may be used for ESSAs and PSSAs, but this was only a temporary suggestion until a real object is adopted into S-57.</p>   |

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| Comments | Date:         |
| Name :   | Organisation: |

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| Comments | Date:         |
| Name :   | Organisation: |