### Title: S-98 Annex C ECDIS Legend

# S-100 Maintenance - Change Proposal Form

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Change Proposal Type (Select only one option)

1.Clarification	2.Correction	3.Extension
x	Х	

#### Location (Identify all change proposal locations)

S-100 Version No.	Part No.	Section No.	Proposal Summary
S-98 Annex C 1.1	-	C-12.10.3 ECDIS Legend	Clarify and correct entries as shown in attached redlines.

### Change Proposal

The attached redlines are intended to clarify / correct S-98 Annex C requirements related to the ECDIS legend.

## Change Proposal Justification

The proposed changes align the requirements with the current data model and clarify some imprecise .

What parts of the S-100 Infrastructure will this proposal affect?

- □ S-100 Feature Concept Dictionary Interface or Database
- □ S-100 Portrayal Register
- □ S-100 Feature Catalogue Builder
- □ S-100 Portrayal Catalogue Builder
- □ S-100 UML Models

Please send completed forms and supporting documentation to the secretary S-100WG.

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#### 12-1.1.1 ECDIS Legend

The ECDIS chart legend containing the following elements should be available for display <u>of</u> values derived from at the position selected by the Mariner. Table C-1 indicates which ENC data elements should be used.

NOTE: The legend is currently described in terms of elements of the Dataset Identification (DSID) record in dataset headers in the ISO 8211 encoding as well as dataset discovery metadata because neither the dataset header nor discovery metadata contain all the elements of the legend.

		1	
ECDIS Legend Item	Values		
Units for depth	Axis Unit of Measure (AXUM) subfield in the Coordinate System Axes (CSAX) field		
Units for height	AXUM subfield in the CSAX field	1	
not allow any unit	oth and height: although the S-101 ENC Product Specification does ts other than metres for depths and heights, these two elements or clarity for the Mariner		
Scale of display	Selected by mariner	1	
Data quality indicator	(a) verticalUncertainty.uncertaintyFixed (SOUACC)zoneOfConfidence.categoryOfZoneOfConfidenceInDat a (CATZOC) attribute of the Quality Of Bathymetric Data		
	(M_QUAL) meta-feature. NOTE: When multiple temporal attributes are present:		Commented [GDM(CUNAV2]: Consistent with S-52
	If a single attribute value is valid for the selected viewing date range, that value should be displayed.		
	<ul> <li>If multiple values are valid for the selected viewing date range, the worst-case value should be displayed.</li> </ul>		
	NOTE 2: When multiple features are present (to indicate bathymetric data quality at various depths):		
	The feature which intersects the specified safety contour value should be used.		Commented [GDM(CUNAV3]: Clarifies requirement when
	(b) <u>Total</u> horizontalPositionUncertainty- <u>uncertaintyfixed</u> (POSACC) attribute of the <b>Quality Of Non-Bathymetric Data</b> (M_ACCY) meta-feature if available.		multiple features / attribute values are available.         Commented [GDM(CUNAV4]: The variable uncertainty
Note: Due to the wurder	vay quality is encoded in the ENC, both values (a and b) should be		should be taken into account.
Sounding/vertica	The soundingDatum and vorticalDatum fields of the dataset	1	
l datum	discovery metadata in the exchange catalogue, or the verticalDatum attribute of the SoundingDatum feature and		Commented [GDM(CUNAV5]: Exchange catalogue doesn't contain these fields.
	VerticalDatum feature when available.		
	( <i>verticalDatum</i> attributes of individual features should not be used for the legend.)		
Horizontal datum	WGS84		
Value of safety depth	Selected by Mariner. Default is 30 metres		

**Commented [GDM(CUNAV1]:** Clarifies that legend is not displayed at a selected position; the selected position is used to populate the values displayed.

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ECDIS Legend Item	Values	
Value of safety contour	Selected by Mariner. Default is 30 metres	
	er has selected a contour that is not available in the ENC and the a default contour, both the contour selected and the contour be quoted	
Magnetic variation	<b>MagneticVariation</b> (MAGVAR) feature, attributes: referenceYearForMagneticVariation (RYRMGV), valueofAnnualChangeInMagneticVariation (VALACM), and valueOfMagneticVariation (VALMAG) Item should be displayed as: VALMAG RYRMGV (VALACM) For example, 4°15W 1990 (8'E)	
Date and number of latest update affecting chart datasets currently in use	Issue date and update number from the dataset discovery record (S100 DatasetDiscoveryMetadata) of the last update dataset applied. (See S-100 Part 17)	Commented [GDM(CUNAV6]: Clarifies schema element
Edition number and date of the ENC	Edition number and issue date from the dataset discovery record (S100 DatasetDiscoveryMetadata) of the current base issue of the ENC dataset. (See S-100 Part 17)	Commented [GDM(CUNAV7]: Clarifies schema element
Chart projection	Projection used for the ECDIS display (For example, oblique azimuthal). This should be appropriate to the scale and latitude of the data in use	

### Table C-1 - Legend elements

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The list above is the minimum that should be available, but the complete list need not always be shown. Individual items may be picked by the mariner for display for a period; examples are magnetic variation, data quality for depths, etc.

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