

CATZOC CLASSIFICATION OF LEGACY DATA - REPORTING FORM

(to be returned to the IHB by 20 October 2010  
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Member State:

Contact:  E-mail:

What type of legacy data is included under each CATZOC classification in your ENC's?

Please complete the form below for each CATZOC value. Examples from the United Kingdom Hydrographic Office have been provided as a guide.

If you do not populate CATZOC for legacy data in your ENC's, please indicate this in the Additional Comments section at the bottom of the form.

CATZOC allocated by HO	Data acquisition method		Comments
A1	MBES survey meeting required accuracies, full seafloor coverage and feature detection requirements		<p>Restricted to hydrographic surveys conducted for safety of navigation; scientific research surveys or environmental surveys are not considered to meet the required methodology or feature detection requirements.</p> <p>LIDAR is not considered to meet the required feature detection requirements.</p>
A2	MBES or SBES and SSS achieving required accuracies, full seafloor coverage and feature detection	LIDAR using scan settings and line spacing achieving full seafloor coverage and feature detection	<p>Must be evidence of feature detection and investigations to determine least depths.</p> <p>Normally restricted to hydrographic surveys for safety of navigation; scientific research or environmental surveys unlikely to meet required methodology or feature detection requirements.</p>

B	SBES survey meeting required accuracies, and meeting minimum RAN line spacing requirements for water depth	Scientific research or environmental MBES surveys meeting required accuracies and coverage equivalent to RAN line spacing requirements for water depth	LIDAR not achieving full seafloor coverage	Evidence of interlining and shoal investigations expected in shallow water.  Sextant positioning using floating beacons is not considered to meet horizontal accuracy requirements.
C	Controlled systematic surveys not meeting ZOC B accuracy or coverage requirements	Opportunity soundings meeting required accuracy requirements		This category often contains controlled systematic hydrographic surveys which cannot meet ZOC B accuracy requirements once transformed to WGS84 and/or LAT
D			Soundings with little or no metadata and/or on unknown datums	

**Additional Comments:**

CATZOC C category is too wide. It covers old (but good for their day) hydrographic surveys which cannot be transformed accurately to modern datums, and also opportunity soundings such as passage sounding.

When categorizing surveys as CATZOC C, AHS subdivides this category into C+ and C-. C+ is assessed as being in the higher level of the CATZOC C criterion (controlled systematic surveys not meeting ZOC B accuracy or coverage requirements), and information derived from surveys of this ZOC assessment are shown on paper charts and ENC's in the standard manner (solid line contours and sloping (italic) soundings). C- is assessed as being in the lower level of the CATZOC C criterion (opportunity soundings meeting required accuracy requirements), and information derived from surveys of this ZOC assessment are shown on paper charts and ENC's as inadequately surveyed (broken contours and upright (hairline) soundings). This is done to provide additional bathymetry quality information for areas defined in paper chart (ZOC diagram) and ENC (M\_QUAL) as ZOC C.