

# CATZOC CLASSIFICATION OF LEGACY DATA - REPORTING FORM

(to be returned to the IHB by **20 October 2010**  
E-mail: [info@ihb.mc](mailto:info@ihb.mc) - Fax: +377 93 10 81 40)

Member State: CROATIA

Contact: Zeljko Bradaric  
Vinka Juric E-mail: [zeljko.bradaric@hhi.hr](mailto:zeljko.bradaric@hhi.hr)  
[office@hhi.hr](mailto:office@hhi.hr)

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.

EXAMPLE		
CATZOC allocated by HO	Data acquisition method	Comments
EXAMPLES	<p>A1</p> <p><i>Acoustic swath system with at least 9 soundings on each IHO S-44 minimum detectable target-sized block.</i></p> <p><i>Vessel positioned by DGPS or by least-squares adjusted, multiple electronic position lines.</i></p> <p><i>Good co-tidal model employed.</i></p> <p><i>Good quality topographic LIDAR survey in drying areas.</i></p>	<p><i>Topographic LIDAR is also included under this classification because its feature detection capabilities meet the requirements.</i></p>
	<p>A2</p> <p><i>Single beam echo sounder and modern sidescan sonar (survey date 1986 or later) with lines run into/with tidal stream.</i></p> <p><i>Vessel positioned by DGPS or by least-squares adjusted, multiple electronic position lines.</i></p> <p><i>Good co-tidal model employed.</i></p>	<p><i>Although the position and depth accuracy prior to 1986 may have been adequate the application of side scan sonar was not sufficiently developed to guarantee that when used in conjunction with a SBES system, 100% sea floor coverage could be achieved</i></p>
	<p>B</p> <p><i>Single beam echo sounder used to obtain depth profiles along systematic survey lines planned in accordance with RN survey practice.</i></p> <p><i>Vessel positioned by 2 Lines of Position from survey-quality electronic navaid, horizontal sextant angle resection, directions and distance (such as theodolite or sextant and 10 foot pole).</i></p> <p><i>Bathymetric LIDAR survey.</i></p>	<p><i>Bathymetric LIDAR survey is included under this classification due to uncertainties relating to feature detection.</i></p>

CATZOC allocated by HO	Data acquisition method	Comments
A1	Multi beam System (MBS) used. IHO S-44 standard are applied. Vessel positioned by DGPS. Good tidal data included.	
A2	Single beam echo sounder used. Vessel positioned by DGPS. Good tidal data included	
B	Single beam echo sounder used to obtain depth profiles along systematic survey lines planned in accordance with CHI survey practice and valid IHO recommendations in time of survey. Vessel positioned using an electronic impulse system (three lateration method) and a pulse electronic system. Bathymetric MBS survey. Good tidal data included	Bathymetric MBS survey is included under this classification due to uncertainties relating to feature detection and checking data.  In those cases vessel positioned by DGPS.
C		
D		

Additional Comments:

Although the majority of HR ENC's assigned CATZOC "B" the certain numbers of HR ENC's is partially updated by new data which could be allocated "A1" CATZOC classification. It is especially related to the parts of HR principal ports open for international traffic which are periodically re-surveyed using MBS and DGPS. Accordingly with new survey ENC's are updated.