

The following table summarizes how the Bathymetric Data Assessment Section of the AHO allocate CATZOC when assessing individual incoming hydrographic data for nautical chart compilation:

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	<p>Evidence of interlining and shoal investigations expected in shallow water.</p> <p>Sextant positioning using floating beacons is not considered to meet horizontal accuracy requirements.</p>

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.