

CATZOC allocation practice, NORWAY

In many areas ENC's are based on old hydrographic data with inferior positional accuracy compared to that which is possible with modern technology. In digital charts the data quality in depth areas is specified in terms of a Zones of Confidence (ZOC) value. Zones of Confidence are added in ENC's according to a total assessment from survey and throughout the entire production line.

From January 2014 the areas measured with multibeam echo sounder and which otherwise met the requirements were assigned the category A1 (some A2). Due to capacity, multibeam data established before 2014 will gradually be changed from B to A1 / A2 in the ENC's.

Year survey was provided	Data Quality
pre 1950	C
1950 – 1990s	B
1990s – early 2000s	B (areas shallower than 30m) A2 (areas deeper than 30 m)
2000 – 2013	A2 (some B)
2014 to today	A1 (some A2)

Areas that were surveyed with multibeam technology in the 1990s and early 2000s were allocated A2 or B depending on depth. The type of echo sounder used is also taken into account. Some of them (EM100, EM1000/1002, EM710) provide higher quality in deeper areas, and lower quality for shallow areas.

In the western- and the northern part of Norway there are still charts partly based on surveys that are up to 100 years old. The old surveys in the charts are being continuously replaced by modern surveys in order of priority.

Svalbard

For general information about the quality of the charts around Svalbard, reference is made to The Norwegian Pilot guide, Volume 7 and the information given in each chart.

The glacier fronts seawards are continually changing. In general, the glacier fronts are receding. Observations exist where the glaciers have receded several hundred meters during the last decades. For this reason, contour lines and terrain close to the glacier can deviate from contour lines on the chart.

Surveys are in some areas of Svalbard incomplete. Large areas have not been surveyed using modern technology, but include some very old bathymetry. In the ENC's these areas have mostly been given CATZOC D.