

UK: From Survey to CATZOC value

For any incoming surveys, the Scientific Analysis Group allocate a CATZOC category during the initial survey validation. CATZOC allocation is completed in accordance with the ZOC Table (S-57 Appendix A, Chapter 2).

At a general level, CATZOC categories are as follows (with reference to S-44):

CATZOC A1 = Controlled systematic survey with full seafloor search using a MBES with high position and depth accuracy. IHO S-44 order 1a or better.

CATZOC A2 = Controlled systematic survey with less position and depth accuracy than CATZOC A1, undertaking a full seafloor search using either: SBES with SSS; Open spaced MBES with SSS (skunk stripping); or MBES, full bottom coverage but uncertainty or processing does not meet CATZOC A1. IHO S-44 order 1a (but with IHO S-44 Order 2 for the positional and depth uncertainty).

CATZOC B = Controlled, systematic survey which is not 100% seafloor coverage. LIDAR surveys will almost always be CATZOC B. IHO S44 Order 2 (can in certain situations fail line spacing requirement of IHO order 2) or failing any other requirement for CATZOC A1 or A2.

CATZOC C = Used for lead-line surveys and Satellite Derived Bathymetry.

CATZOC D = Used by UK to define Unsurveyed or Aerial photography.

CATZOC U = Wherever possible, values other than CATZOC = U (unassessed) are used by UK.

Notes:

- Historically, many UK ENCs had their CATZOC populated using survey source, dates, scale and sounding technique (taken from the corresponding chart SOURCES diagram).
- UK does not downgrade CATZOC due to the passage of time. UK ENCs usually contain additional M_SREL features containing survey authority, date/s, and scale. These M_SREL features are to be interpreted in conjunction with the M_QUAL.
- Following natural disaster, existing hydrographic detail may become suspect. For affected areas, the M_QUAL may be reclassified to CATZOC D; outside any areas covered by emergency surveys.