TECSOU & M_QUAL

General Discussions

ReneVisser
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The IE 2.4 Encoding Guide, section C.1.7 "Survey Reliability for Detailed Depth Information" contains the following statement: "If the attributes SOUACC and TECSOU are required, they must be encoded on either the meta object M_QUAL or on individual geo objects (e.g., SOUNDG)." However according to the IE 2.4 Feature Catalogue, SOUNDG contains neither SOUACC nor TECSOU.

In addition, section C.1.2 of the Encoding Guide states that M_QUAL is not used within the EU. This means that the statement in C.1.7 referenced above cannot be fulfilled in EU charts.

In areas containing detailed depth information Rijkswaterstaat provides M_QUAL objects and, at the request of the pilot service, will continue to do so.

The Encoding Guide contains two sections describing M_QUAL objecten: C.1.2 and C.1.6. Both of these describe "An area within which a uniform assessment of the quality of the data exists". It is entirely unclear what the difference between the objects described in these sections is intended to be.

Within M_QUAL, TECSOU is given as Mandatory in the Encoding Guide C.1.6 but Conditional in the Feature Catalogue.

Recommendations/Requests
1.Either clarify what the difference is between C.1.2 and C.1.6, or combine them in a single section.
2.Change the statement "EU: M_QUAL is not used" to "EU: M_QUAL is optional".
3.Make the Encoding Guide and Feature Catalogue consistent on the matter of whether TECSOU is mandatory within M_QUAL; if conditional, state what the conditions are.
4.Remove the above-mentioned reference to SOUNDG in section C.1.7.

(In our view M_QUAL is indeed an appropriate place for TECSOU, SOUACC and POSACC attributes; we do not propose that they be added to SOUNDG.)

gertM
Dec '18

Dear René,

as far as I understand, C.1.2 Data Quality defines an area where there is a uniform assessment of the quality of the data (all kinds of data: position, depth). This is not used in Europe but it is used in the other regions.

C.1.6 is only applicable on detailed depth information and there is no encoding rule that indicates that it is not used in Europe. In my opinion you may use M_QUAL in Europe with respect to C.1.6 but not as described in C.1.2 (with CATZOC attribute).

Making TECSOU mandatory in the Feature Catalogue implies that it is mandatory for both M_QUAL sections in the Encoding Guide. This isn't the case: it's only mandatory for section

C.1.6 of the Encoding Guide, so for the Feature Catalogue we need to describe the attribute as conditional.

Regarding your comment on the reference to 'SOUNDG' I agree. There are some features where 'TECSOU' or 'SOUACC' are optional e.g. WRECKS, berths and marine farm/culture.

Best regards,

Gert