Within Comex project there is discussion about the "Working Area object"

General Discussions

ReneVisser
Mar 4

Within Comex project there is discussion about the "Working Area object"
With such a polygon the area could be indicated, within which one NTS message would be valid. So valid for several waterways.
observation: working area is now not in IENC.
I see two options within the Inland Ecdis standard to solve this.

1. E.1.3. International Boundaries and National Limits (Administration Area) (A) A defined and named administrative area (e.g. country, state, district)
   Because such an area NTS usually comes from a single authority, such an area could be encoded with the ADMARE object. Unfortunately the attribute is missing unlocd, but just as with the adaptation of the object BuildupArea it is easy to create a CR for this
   In this way harmonization of the RIS standards is achieved
2. By abusing the object wtware (waterway area) with which the CEMT class can be coded as polygon.
   L.3.1. CEMT Classification, ISRS Code (O); The advantage is that wtware is already provided with an unlocd attribute to be able to use the ISRS code.
   During conversations with the providers, it appeared that CEMT class has little use. They prefer, if CEMT class is really desired, that this information will be attached to the wtwaxe (waterway); so no polygon !.
   By rewriting L.3.1 of the the encoding guide with a CR, the requested workarea polygon could be created.
   An additional advantage is that wtware does occur in the RIS index
   An important question is whether IENCs have now been produced with L.3.1. CEMT Classification, as a pologon?

Bernd
Mar 5
Dear René,
do I understand it correctly that the idea is to define a permanent polygon in the IENC and to publish varying information for that polygon via NtS?

That would mean that you would have to define the polygons for NtS a long time before the publication of the NtS. Wouldn't it be better to include the polygon in the NtS?

Has COMEX also considered to use the concept of Notices to Mariners?

Best regards
Bernd

ReneVisser
Mar 5
Dear Bernd
thank you
I was not at the meeting where this issue was discussed, but I understood that there was a wish that different authorities would issue notices to skippers for their own area. So the use of ADMARE makes sense. and yes these areas are registered in advance.

on the fly capturing an area for the benefit of a "multi NTS" also takes time.

If the NTS is a meteo message for several waterways and would lead to many NTS messages, then different areas, often larger waters, could also be pre-recorded. eg for NL this could be: IJsselmeer area, or part of the IJsselmeer: Markermeer.
Every country has its regularly used area names. These areas can therefore not be encoded with ADMARE.
An alternative could be the use of the wtware object.
the application of wtware to this problem seems to be a better interpretation of use than the current intended use by coding a CEMT class. (providers prefer to link CEMT class to wtwaxe instead areas)

I am not familiar with the method of notices to mariners; Is a work area also used here? Do you have a description of that?
best regards
René

johannes.nemeth
Mar 5
Dear Rene,

here the link to the latest version of S-124 draft Product Specification from Oct. 2018
https://www.iho.int/mtg_docs/com_wg/CPRNW/S100_NWG/2018/S124NW_CG_2018.htm[1]
https://www.iho.int/mtg_docs/com_wg/CPRNW/S100_NWG/2018/S-124-CG-10-2018-Product%20Specification%20Draft%201.0.2_Draft9_2018.10.17.docx

It is ementioned that 'S-124 Navigational Warnings are intended to be used in an overlay to ENC within a navigation system.' The so called 'Navigational Warning Information Overlay (NWIO)'.

BR,
Johannes

ReneVisser
Mar 5
Thank you Johannes
Impressive (complicated)
probably not yet to be used for COMEX;
maybe something for the future, I think

René

Bernd
Mar 5
Dear René,
if the working area object should be used to provide an easy predefined geographical reference for a Notice to Skippers that is affecting a whole country or a whole region within a country it would most probably be necessary to produce an overview IENC that is covering the whole country respectevely the whole region within a country. As far as I am aware such IENCs are not provided at the moment.
A practical example: a Notice to Skippers that applies to all inland waterways in Austria could be connected to all ADMARE features with NATION = Austria. But the Inland ECDIS on board would have to filter all those ADMARE features from the different IENCs. It would be easier if there would only be one ADMARE feature with a unique identifier for the whole Austrian territory, but at the moment we do not have an IENC that is covering Austria.
Is it intended to produce overview IENCs for that purpose?
And do you want an ad-hoc solution based on edition 2.4 that can be tested within the COMEX project or do you want a solution for the future that could be based on a new feature or a new

attribute or enumeration for an existing feature?
Best regards
Bernd