S-101Project Team

Dataset Load/Unload sub-group (Action S-101PT6-03)

https://github.com/iho-ohi/S-101-Documentation-and-FC.git

- **GOAL**

Review and refine the S-101 ENC datasets loading and unloading strategy as described in the S-101 Product Specification and DCEG.

- **CURRENT DOCUMENTATION ON LOADING STRATEGY**

  - S-101 Product Specification

    §4.5.3 Data Coverage rules

    - *The maximum display scale is considered to be the equivalent of the compilation scale of the data.*
      - ➔ This must be discussed as it would not allow a zoom CSCL X 2 as it is in S-57.
    - Figure 7 implies that the basic rule is to have overlapping scale ranges. This is to be confirmed by testing (along with scale minimum policy).

  - DCEG 1.0.1

  Note: many info in the DCEG duplicate the PS.

    §2.5.5 Seamless ENC coverage:

    - *"The meta feature Data Coverage (see clause 3.4) is used to provide the ECDIS with the scale information necessary for the determination of dataset loading and unloading…"*
      - ➔ Will the loading strategy deal with individual data coverages? Or will it process an ENC dataset as a whole?
    - *"portions of a dataset can have a different maximum display scale"*
      - ➔ Needs to be tested and displayed (with scale minimum).
    - Figure 2.3 says that 2 datasets scale ranges cannot overlap. This contradicts what is said above figure 2.2: "… *Data Coverage features from different datasets may overlap if they have differing maximum display scales*."
      - ➔ Figure 2.3 to be reviewed
    - The last clause:" *In areas which include neighbouring producer nations*" deals with international cooperation. May be should it be elsewhere (Product Specification, S-65) as it goes beyond encoding proper.

    §3.4.1 Coverage:

    - Many sentences speak of ECDIS loading (redundancy?).
      - ➔ Shouldn't we restrict to encoding
    - Below figure 3.1, some information deals with scheming
      - ➔ To be put elsewhere?