Hydrographic Services and Standards Committee

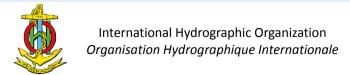
Paper for consideration by HSSC

Submitted by France (Shom)

S-100 Products Validation

Validation process for ENCs

- Current ENCs are the only official product that conforms to S-57 and which is used on the ECDIS after having gone through S-58 validation checks (more than 500 checks), relating to
 - S-57 Data Structure;
 - ENC Product Specification
 - Use of Object Catalogue for ENC
 - Allowable attribute values for particular object classes



Validation process for S-10X products (1/2)

- S-101 ENCs will follow the same validation process and S-58 checks will be converted into S-101 checks
- Checks for S-101 ENCs will be part of the Product Specification
- "Data validation" is clearly identified in the S-100 system
- Now that some S-10x Product Specifications have reached a certain degree of maturity, it seems that validation checks have to be detailed in every S-10X Product Specification in order to prevent any ECDIS crash or presentation of data unsafe for navigation

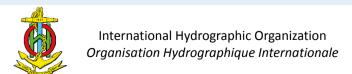
Validation process for S-10X products (2/2)

- It is suggested that Data Quality WG could be in charge of organizing and supervising this work.
- Validation checks can be implemented in production softwares and/or in specific tools such as some tools used by RENCs before ENC distribution.

Action requested of HSSC

• HSSC is invited to:

- Validate the proposal of a "Data Validation" section in every S-10x Product Specification
- Discuss on the extent of such a section;
- Decide on the IHO WG in charge of this task;
- Take any necessary action for the implementation of this new work item.



Thank you for your attention