

Hydrographic Services and Standards Committee

Paper for consideration by HSSC

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S-100 Products Validation



# Validation process for ENCs

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- 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)

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- S-101 ENC's will follow the same validation process and S-58 checks will be converted into S-101 checks
  - Checks for S-101 ENC's 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)

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- 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

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- 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