7Cs Analyzer Edition 4.0

New Generation for Validation of S-57 and S-100/S-101 data
7Cs Analyzer

- 7Cs Analyzer is an application for the validation of S-57 and S-100 datasets.
- It helps ensure that datasets are compliant with the relevant S-57 and S-100 product specifications and standards.
General Information

- 7Cs Analyzer based on Nautilus is S-100 ready
- Development from scratch (since 2014)
- Considered to be an ENC Analyzer Upgrade
- First official release Q1 2019
- Support customers get Base Module (S-57) as usual
- New licenses preferably as annual subscription
Supported Standards/Products

- **Products**
  - ENC (S-57, S-101),
  - IENC (S-57, 2.0, 2.1, 2.2, 2.3, 2.4)

- **Validation Standards**
  - S-58 ENC Validation Checks Ed. 6.1.0 (Sept. 2018)
  - Recommended Validation Checks for Inland ENC

- **Related Standards**
  - S-57, Use of the Object Catalogue
  - S-100, S-101
Highlights

- Validation of S-57 and S-101 nautical chart products
- Compliant with latest Ed. of IHO S-58 ENC Validation Checks
- Compliant with Recomm. Inland ENC Validation Checks 2.4
- Integrated command line mode for batch processing
- Advanced editor for definition of checks users want to ignore
- Simplified validation log output
- Improved consistency in check naming and log messages
### The Graphical User Interface

#### 7Cs Analyzer

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<th>Ed.</th>
<th>Up.</th>
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#### Validation Results
The Graphical User Interface
The Graphical User Interface
Review in ENC Designer
XML Log File Export

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<LogDocument Toolname="7Cs Analyzer">
  <LogGroup Title="7Cs Analyzer © 4.0.0"/>
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  <LogGroup Title="Validation Parameters"/>
  <LogGroup Title="Dataset Metadata"/>
  <LogGroup Title="Dataset Entries : Warning 4"/>
  <LogGroup Title="Feature and Geometry Entries : Critical 68, Error 17, Warning 158"/>
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          DEPARE must not be of geometry type Line.
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        <Reference>S-58, Ed. 6.1.0, checks 20a and 517c</Reference>
        <Reference>S-57, Ed. 3.1, Part 3 § 3.9, 4.2.1 and 6.2</Reference>
        <Reference>S-57 ENC Product Specification, Ed. 2.0, § 3.3 and 3.9</Reference>
        <Reference>S-57 Use of the Object Catalogue for ENC, Ed. 4.1.0, § 15</Reference>
        <Reference>S-57 Supplement No. 3, ch. 3 § 3.3</Reference>
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7Cs Analyzer based on Nautilus is S-100 ready

7Cs Analyzer is fully compliant to the latest Edition 6.1 of S-58 ENC Validation Checks.

7Cs Analyzer is already capable of validating S-101 datasets to the extent that validation rules have been defined, and S-58 checks are applicable.

7Cs Analyzer performs hundreds of individual checks and uses the same validation engine for both S-57 and S-101 data products.

S-101 module will be charged extra

New licenses preferably as annual subscription
Thank you for your attention! Any questions?