

## Abstract: IHO Stakeholders' Open Session HSSC-15, June 2023

### *Feedbacks from the Design and Implementations for S-131 Database Project*

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National Taiwan Ocean University has been developing the software with Graphical User Interface (GUI) for S-131 Marine Harbour Infrastructure Database Project of the IHO-Singapore Innovation and Technology Laboratory since May 2022.

The S-131 Project aims to create an S-131 database and infrastructure that will assist data exchange between harbours and hydrographic offices (HOs) for nautical charts and sailing directions, support creation of S-131 products and facilitate the exchange of information between harbours, HOs and port users (e.g. mariners, shipping lines) compliant with S-100 standards. Observations from the project may be used to update the standard.

The S-131 platform is developed as a web-based geospatial application using open source software. Draft S-131 Feature Catalogue is used to generate the contents of the GUI that can hopefully support all possible entries of data. The GUI design is then trying to hide the complexities of data models as much as possible, to make the data entry/encoding appear easy to all. Viewing of the entered S-131 data also has to be well supported.

This presentation reports on the GUI/system under development by NTOU for the S-131 DB project, then provides feedbacks illustrated with examples or trials for consideration.