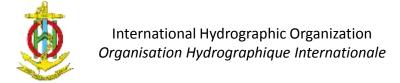
IHO S-100 Working Group

Update of S-100 PCB

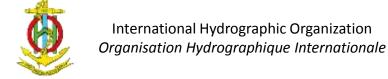
Presented by KHOA





Background

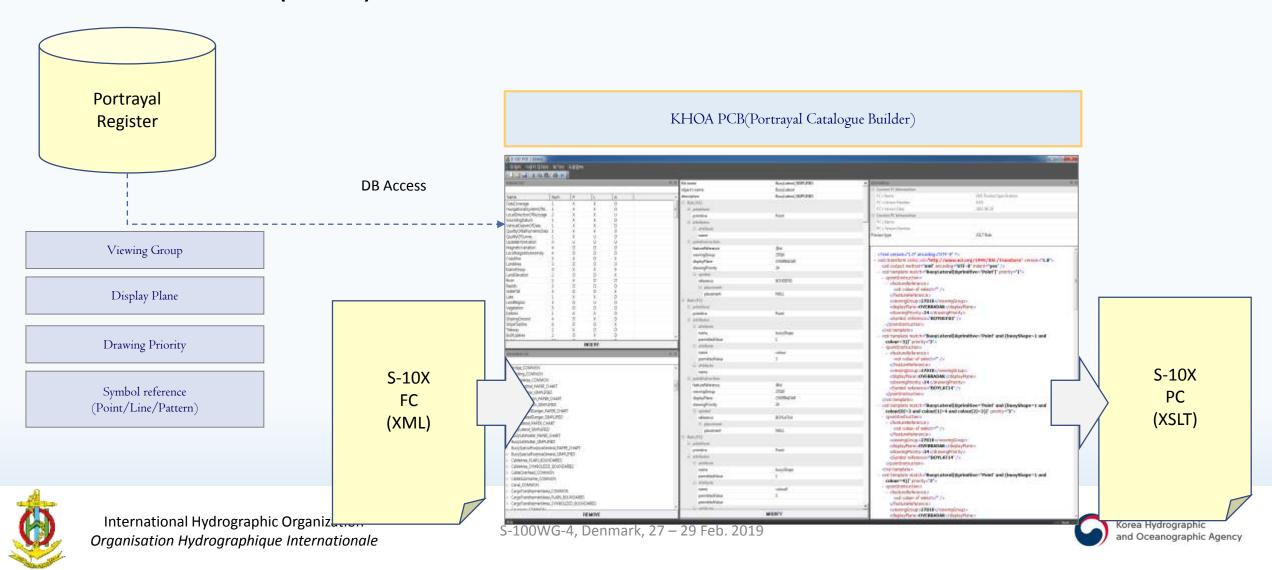
- S-100 Portrayal Catalogue Builder (PCB)
 - reported the progress at the S-100WG3 meeting in Singapore 2018
 - KHOA S-100 PCB would be the <u>IHO S-100 PCB</u> that replaces the web PCB as a part of S-100 Infrastructure
- Major changes
 - "Development of an S-101 Portrayal Catalogue" conducted by IIC /CARIS
 - reviewed the KHOA S-100 PCB when they drafted the S-101 portrayal catalogue
- This paper
 - describes key elements of the S-100 PCB version 1.0.0
 - reports the progress on improving the PCB and its release plan





Prototype KHOA S-100 PCB

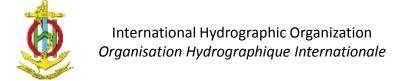
• S-100 PCB (2018)



- Review of S-100 PCB
 - IIC/CARIS tested the KHOA S-100 PCB as a process of updating the S-101 portrayal catalogue
 - provided some <u>findings</u> and <u>comments</u> to KHOA
 - a meeting on September 21, 2018 to find some solutions to resolve technical issues of the PCB



- Test results of KHOA S-100 PCB (by IIC)
 - Rules expand automatically while adding OBJECTS to GENERATE List.
 - After loading FC empty PC is created., Labels are in Korean
 - PCB crashes when user clicks Save command without logging in to the application.
 - When trying to delete rule(s) from the list and save the catalogue, the PCB crashes.
 - PCB allowed edits on selected rule but when the changes are saved, they are applied to the first rule in that list.
 - The first export to PC can be done successfully but after any subsequent edits are done on PC, changes will not be amended into the current PC.
 - Need provision to add text instructions in instructions using PCB.
 - After clicking GENERATE command, symbol reference is missing from the field and also from PREVIEW window. However it is present in the output rule file.





- Proposal on user interface and function (by CARIS)
 - Interface to add new items to register (Sand box function)
 - Filter by domain when selecting symbol, Filter/query to search by keyword
 - PCB needs to provide preview images for Symbols, Linestyles and Fill patterns
 - Interface to define and reuse Styles and Templates
 - The PCB should provide parameters for simple area fill (colour, percentage) and named complex fill patterns from the register
 - Interface to define Parameters, Mariner Settings
 - Interface to write Conditional Procedures and Functions
 - Switching output from XSLT to Lua

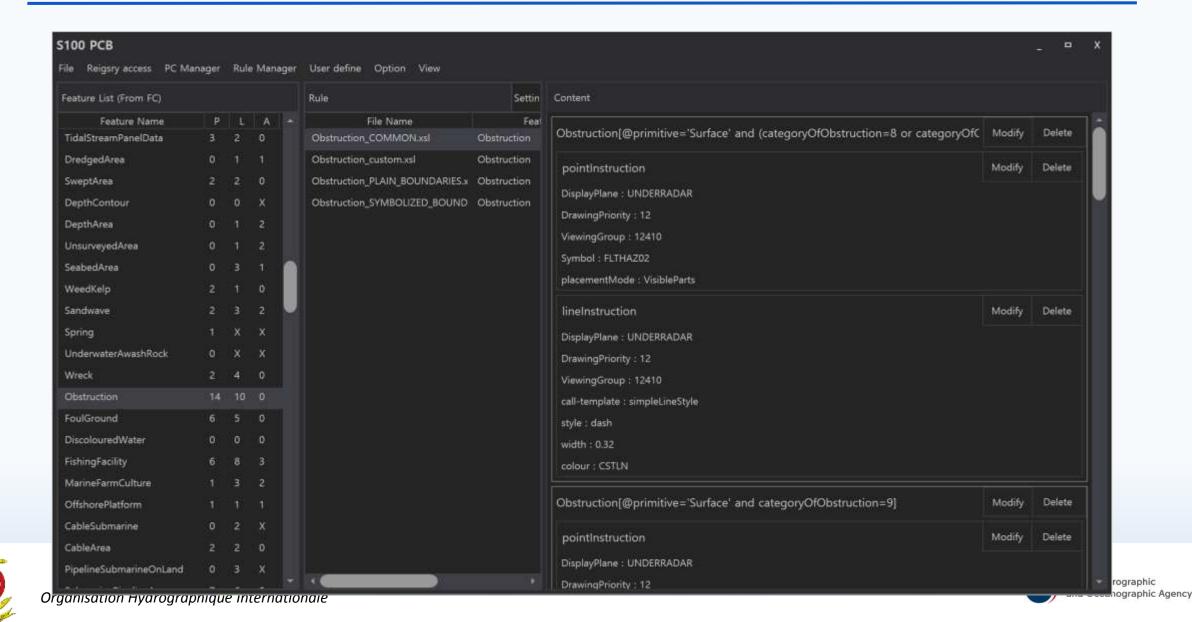


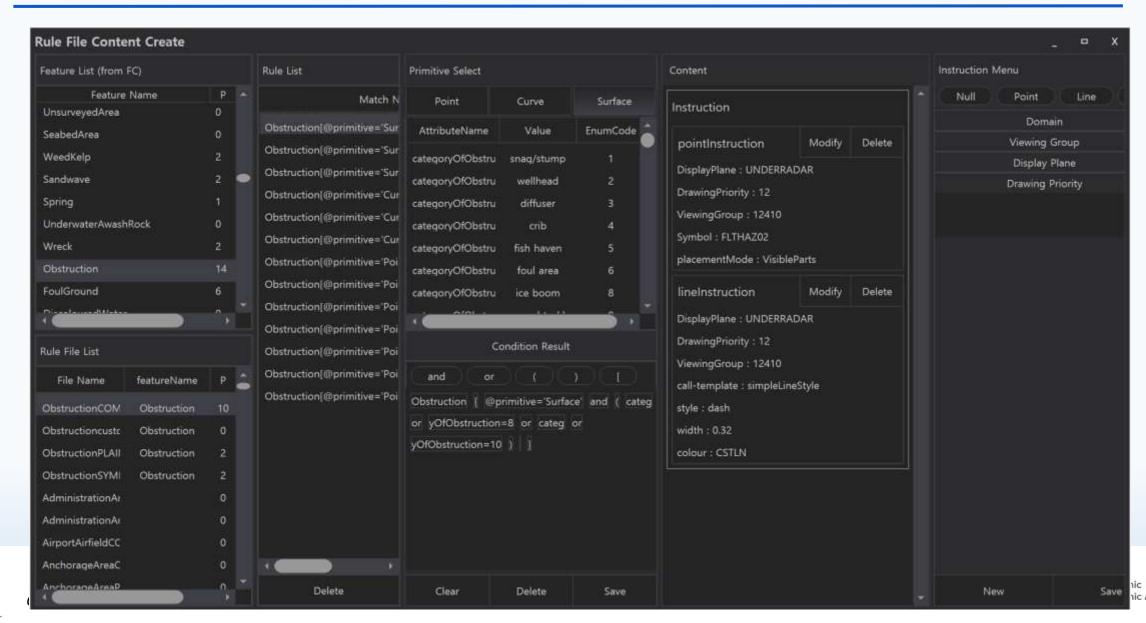
- Summary of feedbacks
 - The PCB tested by IIC was almost all about <u>operational errors and minors</u> for Korean language in menu or messages
 - some issues were related to the S-101 FC used to create the S-101PC
 - The proposals on improving user interface and functions by CARIS were all <u>mandatory requirements</u> needed for creating S-10X portrayal catalogue by the Product Specification developer
 - Considering these feedbacks and comments
 - KHOA decided to <u>redevelop the interface</u> and put additional functions in the PCB to support efficient creation of the PC



- The major features of improvement
 - Add a sand box function that new items like Symbol, Display priority and Display plane (Local XML DB will be located in the S-100 PCB to support the sand box function)
 - Preview function of Symbol
 - Interface to define Styles and Templates
 - Interface to define Context Parameters, Mariner Settings, Conditional Procedures and Functions
 - Function to convert XSLT to Lua (Planned)







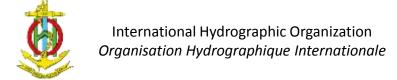


- Future plan
 - After the S-100WG4 meeting, the draft S-100 PCB will be open to S-100WG
 - fix something if any from the operation
 - remaining items such as the interface for Style/Template/CS (Conditional Symbology) and a function converting XSLT to Lua will be carried out before the next S-100 TSM meeting
 - The progress report will be submitted to the S-100 TSM7 meeting (Sept 2019)



Conclusions

- IIC/CARIS reviewed the prototype KHOA S-100 PCB and provided the feedbacks and proposal document
- KHOA decided to make a major change to the interface and add some functions in the PCB
- The <u>drafting version</u> of improving S-100 PCB 1.0.0 was introduced at the S-100 Registry workshop
- After the S-100WG4 meeting, followed by consultation with S-100WG, the draft PCB will be open
- Other remaining items such as **converting XSLT to Lua** etc. will be developed at the S-100 TSM7 meeting.





Action Required of S-100WG

- The S-100WG4 is invited to:
 - Note this paper.
 - Review and comment on the S-100 PCB version 1.0.0.
 - Discuss the S-100 PCB utilization plan and a way forward.

