Report on the S-100 PCB

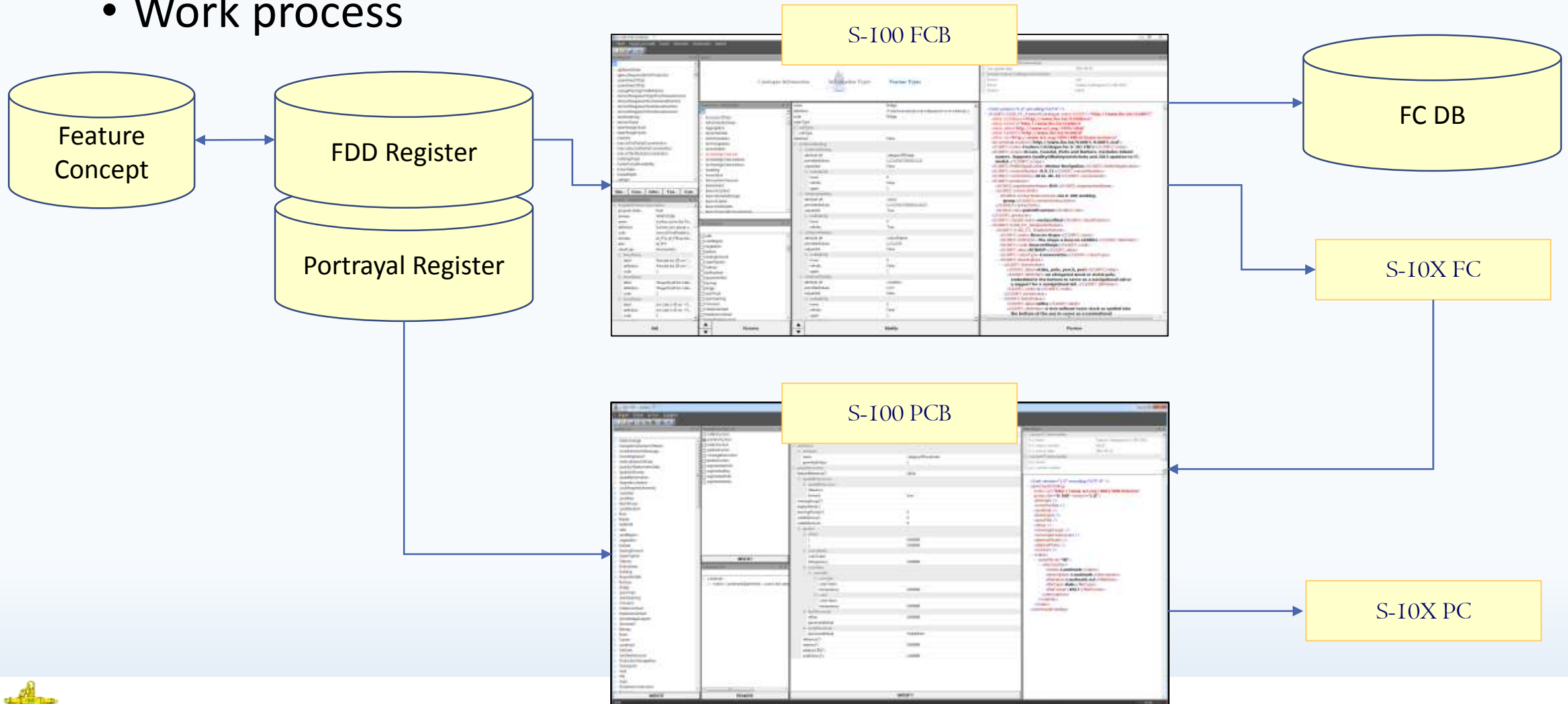Presented by KHOA

Overview

- **Discussion on the S-100 PCB**
  - 9th HSSC meeting, 6-10 November 2017, Ottawa, Canada
    - Decision HSSC9/10 - HSSC agreed to use the IHO Special Project funds to build the first iteration of the S-101 portrayal catalogue and potential fixes and enhancements to the Portrayal Catalogue Builder (Ongoing)
  - 2nd S-100 Working Group (S-100WG) Meeting, Singapore (10 - 13 April 2018)
    - YB reported that they had made progress with their portrayal catalogue builder, that was a standalone application that accessed the portrayal registers.   KHOA is validating PCB using the S-101, S-122, S-123 and S-412 FCs. Subject to approval KHOA may release the new PCB for PT developers when it is mature.

KHOA PCB

- ## Work process

KHOA PCB

- Structure of S-100 Portrayal Catalogue

```
Root ----    (contains the catalogue named "portrayal_catalogue.xml")
     |
     |-- Pixmaps  (contains XML files describing pixmaps)
     |
     |-- ColorProfiles  (contains XML files with colour profiles and CSS2 style sheets)
     |
     |-- Symbols  (contains SVG files with symbols)
     |
     |-- LineStyles  (contains XML files with line styles)
     |
     |-- AreaFills  (contains XML files area fills)
     |
     |-- Fonts  (contains TrueType font files)
     |
     |-- Rules  (contains XSLT files with templates)
```

KHOA PCB

- Overview

KHOA PCB

- Major characteristics
  - Same look & feel with S-100 FCB
  - Access to the Portrayal register
  - Load a S-10X feature catalogue as XML file
  - Define Rules per feature type
  - Assign Drawing instruction in each Rule
    - Null, Point, Line, Area, Text
  - New creation of portrayal catalogue
  - Modification of existing portrayal catalogue with feature catalogue
  - Export the portrayal catalogue package with feature catalogue

Future plan

- IHO activities
  - PCB Gap analysis : The contractor started the gap analysis of S-100 PCB
  - Creation of S-101 Portrayal Catalogue : Create the S-101 PC based on the latest version of feature catalogue

- Improvement of PCB
  - Consider the gap analysis of PCB

- Topics to update
  - Local DB of portrayal register : consideration of communication network, in line with S-100 FCB
  - Load the S-10X FC from FC DB