

S-101 ENC Project Team

# Report on the S-100 PCB

Presented by KHOA



# Overview

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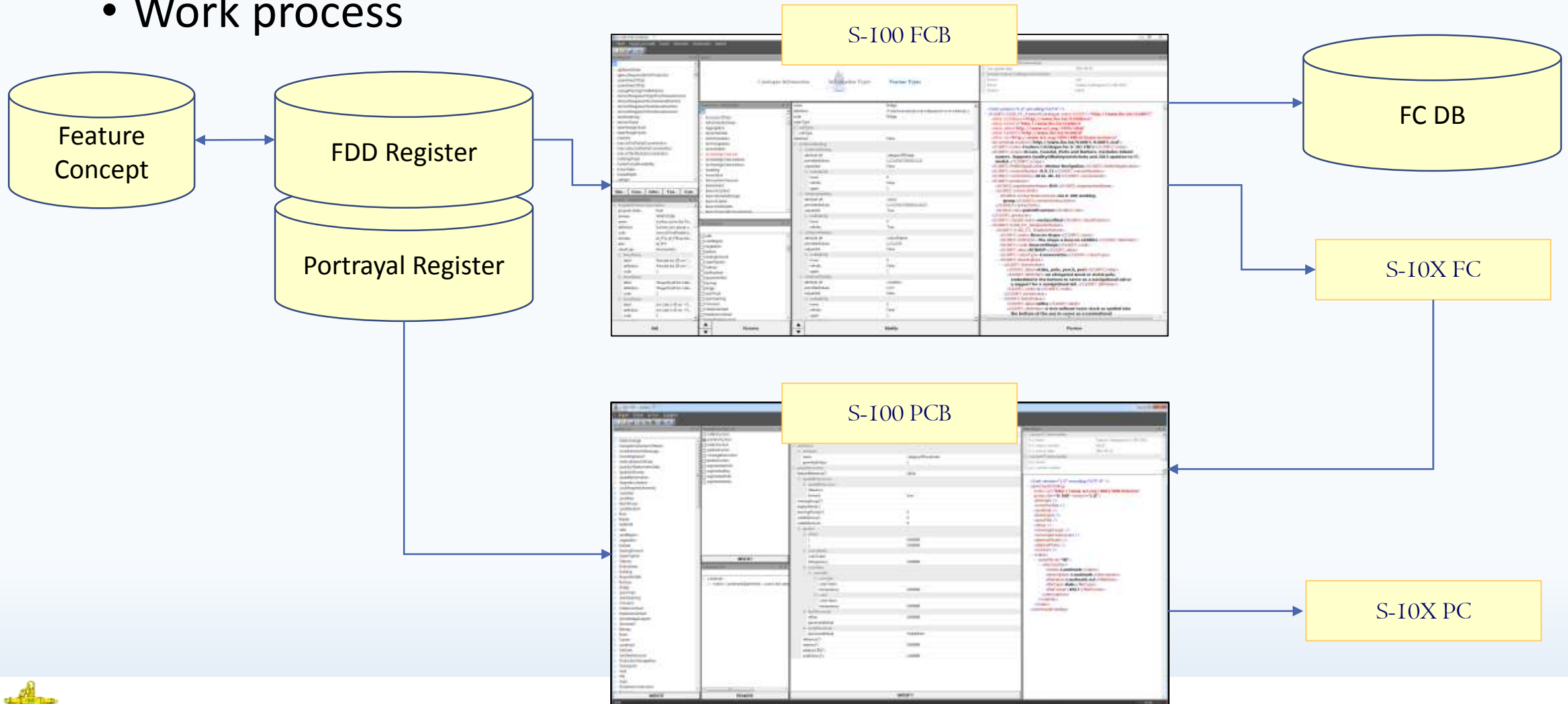
- **Discussion on the S-100 PCB**

- 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)
- 2<sup>nd</sup> 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



- 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

S-100 PCB 1.0(beta)

File(F) User define(U) View(V) Help(H)

Feature List

Name	Num	P	L	A
QualityOfNonBa...	0	X	X	U
DataCoverage	0	X	X	U
NavigationalSys...	0	X	X	U
LocalDirectionO...	0	X	X	U
QualityOfBathy...	0	X	X	U
SoundingDatum	0	X	X	U
VerticalDatumO...	0	X	X	U
QualityOfSurvey	0	X	U	U
UpdateInformat...	0	U	U	U
MagneticVariati...	0	U	U	U
LocalMagneticA...	0	U	U	U
Coastline	0	X	U	X
LandArea	2	D	U	D

Generated List

LandArea

INSERT

REMOVE

file name: LandArea

object's name: LandArea

description: LandArea

Rule [#1]

- primitives
  - primitive: point
- attributes
  - attribute
    - name
- pointInstruction
  - featureReference: @id
  - viewingGroup: 22220
  - displayPlane: UNDERRADAR
  - drawingPriority: 6
- symbol
  - reference
- placement
  - placement: NULL

Rule [#2]

- primitives
  - primitive: surface
- attributes
  - attribute
    - name
- lineInstruction
  - featureReference: @id
  - viewingGroup: 12420
  - displayPlane: UNDERRADAR
  - drawingPriority: 18
- lineStyleGroup
  - lineStyleGroup: lineStyleReference

MODIFY

Information

Current FC Information

FC's Name: S-101 ENC's\_draft

FC's Version Number: 0.9.1.1

FC's Version Date: 2017-08-27

Current PC Information

MODIFY

Portrayal catalogue

```
<?xml version="1.0" encoding="UTF-8" ?>
- <portrayalCatalog
  xmlns:xsl="http://www.w3.org/2001/XMLSchema"
  productId="S-100" version="1.0">
  <pixmaps />
  - <colorProfiles>
    - <colorProfile id="6">
      - <description>
        <name>S101SampleColorProfile</name>
        <description>S-101 sample color
          profile</description>
        <language>en</language>
      </description>
        <fileName>colorProfile.xml</fileName>
        <fileType>ColorProfile</fileType>
        <fileFormat>XML</fileFormat>
      </colorProfile>
    </colorProfiles>
  - <symbols>
    - <symbol id="ACHBRT07">
      - <description>
        <name>ACHBRT07</name>
```

PREVIEW



# KHOA PCB

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- 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

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- 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

