Status of S-101 FC update

S-101PT5 / KHOA

Presented by KHOA

International Hydrographic Organization
Organisation Hydrographique Internationale

Introduction

- **S-101 FC 1.0.0 progress of KHOA**

  - S-101 FC 0.9.1 based on S-101 DCEG(ver. July 2018) - TSM6, 2018

  - S-101 FC 0.9.2 based on S-101 DCEG(ver. November 2018) - S-100WG4, 2019

  - S-101 FC 1.0.0 based on S-101 DCEG(ver. 1.0.0 December 2018) - S-101PT4, 2019

- **New S-101 FC (1.0.1) based on 3rd generation S-100 GI Registry**

  - New version S-101 FC was created following S-100 GI Registry's latest Register DB

  - Needs an update for support S-101 DCEG 1.1.0 official release after S-101PT5

Updated information

- **Consistency with GI Registry**

  - **Clarification of name and definition**

  - **Clarification of label(name of listed value)**

Before - S-101 FC 1.0.0 (Apr. 2019)

After - S-101 FC 1.0.1 (Sep. 2020)

Updated information

- **Addition of definition reference to track version information**

Before - S-101 FC 1.0.0 (Apr. 2019)

After - S-101 FC 1.0.1 (Sep. 2020)

Updated information

- **Addition of Text Placement to all Geo-features**

Before - S-101 FC 1.0.0 (Apr. 2019)

```
▼<S100FC:S100_FC_FeatureType isAbstract="false">
   <S100FC:name>Coastline</S100FC:name>
   <S100FC:definition>The line where shore and water meet. Although the terminology
   </S100FC:definition>
   <S100FC:code>Coastline</S100FC:code>
   <S100FC:alias>COALNE</S100FC:alias>
 ▼<S100FC:attributeBinding sequential="false">
   ▼<S100FC:multiplicity>
       <S100Base:lower>0</S100Base:lower>
       <S100Base:upper xsi:nil="false" infinite="false">1</S100Base:upper>
   </S100FC:multiplicity>
   ▼<S100FC:permittedValues>
       <S100FC:value>1</S100FC:value>
       <S100FC:value>2</S100FC:value>
       <S100FC:value>6</S100FC:value>
       <S100FC:value>7</S100FC:value>
       <S100FC:value>8</S100FC:value>
       <S100FC:value>10</S100FC:value>
   </S100FC:permittedValues>
   <S100FC:attribute ref="categoryOfCoastline"/>
 </S100FC:attributeBinding>
```

After - S-101 FC 1.0.1 (Sep. 2020)

```
▼<S100FC:S100_FC_FeatureType isAbstract="false">
   <S100FC:name>Coastline</S100FC:name>
   <S100FC:definition>The line where shore and water meet. Shoreline and coastli
   <S100FC:code>Coastline</S100FC:code>
   <S100FC:alias>COALNE</S100FC:alias>
 ▶<S100FC:definitionReference>
   ...
   </S100FC:definitionReference>
 ▶<S100FC:attributeBinding sequential="false">
   ...
   </S100FC:attributeBinding>
   <S100FC:featureUseType>geographic</S100FC:featureUseType>
 ▼<S100FC:featureBinding roleType="association">
   ▼<S100FC:multiplicity>
       <S100Base:lower>1</S100Base:lower>
       <S100Base:upper xsi:nil="false" infinite="false">1</S100Base:upper>
   </S100FC:multiplicity>
   <S100FC:association ref="TextAssociation"/>
   <S100FC:role ref="identifies"/>
   <S100FC:featureType ref="TextPlacement"/>
 </S100FC:featureBinding>
 <S100FC:permittedPrimitives>curve</S100FC:permittedPrimitives>
```

International Hydrographic Organization
Organisation Hydrographique Internationale

S-101PT-5, IHO Secretariat with VTC, 15 -16 October 2020

Conclusion

- **KHOA is planing to:**
    - a. Update S-101 FC 1.0.1 following S-101 DCEG 1.1.0 (end of Sep.)
    - b. Release S-101 FC 1.1.0 to S-101PT members (end of Oct.)

- **The S-101PT5 is invited to:**
    - a. Note this paper
    - b. Discuss the S-101 FC issues reported by this paper
    - c. Discuss publication plan of S-101 FC 1.0.1 and 1.1.0