

# S-100WG-VTC2 Catch-Up Meeting

## Proposal for Adding itemIdentifier to S100\_FC\_Item

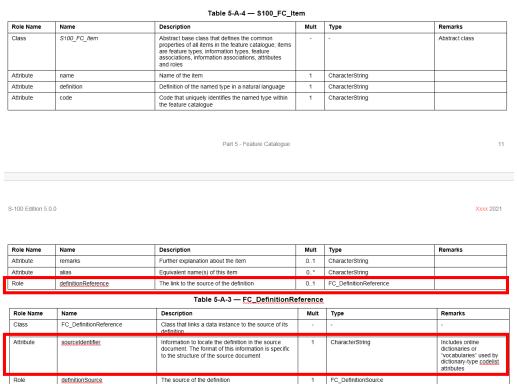
Agenda Item 07



## REQUEST FROM PS AND FC DEVELOPERS

International Hydrographic Organization

- A mechanism is required in the IHO GI Registry to uniquely identify items, and versions of items, which have been included in S-100 based Product Specification Feature Catalogues.
  - Current identifier in Feature Catalogues appears to be the sourceIdentifier attribute of the Class FC\_DefinitionReference – no corresponding field in the IHO GI Registry.



```
<S100FC:name>Category of Landmark</S100FC:name</p>
 <$100FC:definition>Classification of prominent cultural and natural features in the landscape. </$100FC:definition>
 <S100FC:code>categoryOfLandmark</S100FC:code>
 <S100FC:alias>CATLMK</S100FC:alias>
<S100FC:definitionReferer</p>
  <S100FC:sourceIdentifier>87 /S100FC:sourceIdentifier>
  <S100FC:definitionSource rer="IHOREG" />
 </S100FC:definitionReference>
 <S100FC:valueType>enumeration</S100FC:valueType>
- <S100FC:listedValues>

    S100FC·listedValues

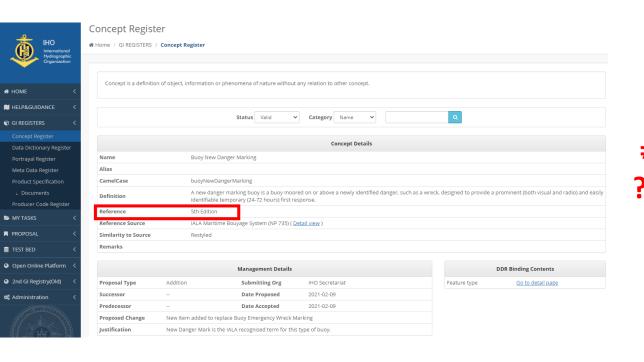
    <S100FC:label>Cairn</S100FC:label>
    <$100FC:definition>A mound of stones, usually conical or pyramidal, raised as a landmark or to designate a point of importance in surveying. </$100FC:definition>
    <S100FC:code>1</S100FC:code>
   <S100FC:definitionReference>
      <$100EC:sourceIdentifier>5</$100EC:sourceIdentifier>
      <S100FC:definitionSource ref="IHOREG" />
    </S100FC:definitionReference>
  </S100FC·listedValue>
  <S100FC:listedValue>
    <S100FC:label>Cemetery</S100FC:label>
    <S100FC:definition>A site and associated structures devoted to the burial of the dead.</S100FC:definition>
    <$100FC:code>2</$100FC:code:
    <S100FC: definitionReferen
      <S100FC:sourceIdentifier>251< S100FC:sourceIdentifier>
      <S100FC:definitionSource rer= THOREG" />
    </S100FC:definitionReference>
  </S100FC:listedValue>
  <S100FC:listedValue>
    <S100FC:label>Chimney</S100FC:label>
    <S100FC:definition>A vertical structure containing a passage or flue for discharging smoke and gases of combustion.</S100FC:definition>
    <$100FC:code>3</$100FC:code>
    <S100FC:definitionRefer
      <S100FC:sourceIdentifier>252< S100FC:sourceIdentifier>
      <S100EC: definitionSour
                                   HOREG" />
    </S100FC:definitionReference>
  </S100FC:listedValue>
  <S100FC:listedValue>
    <S100FC:label>Dish Aerial</S100FC:label>
    <S100FC:definition>A parabolic aerial for the receipt and transmission of high frequency radio signals.</S100FC:definition>
    <S100FC:code>4</S100FC:code>
    <S100FC:definitionReferer
      <S100FC:sourceIdentifier>253< S100FC:sourceIdentifier>
      <S100FC:definitionSource ref="IHOREG" />
    </S100FC:definitionReference>
  </S100FC:listedValue>
```

S-100WG-VTC2 Catch-Up Meeting, 13 July 2021



## DEFINITION REFERENCE IN THE IHO GI REGISTRY

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```
<S100FC:name>Category of Landmark
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 <S100FC:code>categoryOfLandmark</S100FC:code>
  <S100FC:alias>CATLMK</S100FC:alias>
 <S100FC:definitionReferen
   <5100FC:sourceIdentifier>87 /S100FC:sourceIdentifier>
<5100FC:definitionSource rer= IHOREG" />
  </S100FC:definitionReference>
  <S100FC:valueType>enumeration</S100FC:valueType>
- <S100FC:listedValues>
 - <S100FC:listedValue>
     <S100FC:label>Cairn </S100FC:label>
     <5100FC:definition>A mound of stones, usually conical or pyramidal, raised as a landmark or to designate a point of importance in surveying. </5100FC:definition>
     <S100FC:code>1</S100FC:code>
    - <S100FC:definitionReference>
       <S100FC:sourceIdentifier>5</S100FC:sourceIdentifier>
       <S100FC:definitionSource ref="IHOREG" />
     </S100FC:definitionReference>
   </S100FC:listedValue>
   <S100FC:listedValue>
     <S100FC:label>Cemetery</S100FC:label>
     <S100FC:definition>A site and associated structures devoted to the burial of the dead.</S100FC:definition>
     <S100FC:code>2</S100FC:code>
     <S100FC:definitionRefere
       <S100FC:sourceIdentifier>251< S100FC:sourceIdentifier>
       <S100FC:definitionSource rer= 1HOREG" />
     </S100FC:definitionReference>
   </S100FC:listedValue>
   <S100FC:listedValue>
     <S100FC:label>Chimney</S100FC:label>
      <S100FC:definition>A vertical structure containing a passage or flue for discharging smoke and gases of combustion.
     <S100FC:code>3</S100FC:code>
     <S100FC:definitionRefere
       <S100FC:sourceIdentificr>252< S100FC:sourceIdentifier>
       <S100FC:definitionSour
                             e rer= 1HOREG" />
      </S100FC:definitionReference>
   </S100FC:listedValue>
   <S100FC:listedValue>
     <S100FC:label>Dish Aerial</S100FC:label>
      <S100FC:definition>A parabolic aerial for the receipt and transmission of high frequency radio signals.
     <S100FC:code>4</S100FC:code:

    <S100FC:definitionReferer</li>

       <S100FC:sourceIdentifier>253< S100FC:sourceIdentifier>
       <S100FC:definitionSource ref="IHOREG" />
     </S100FC:definitionReference>
   </S100FC:listedValue>
 - <S100FC:listedValue>
```



## IHO

### S-100 PART 2

International Hydrographic Organization

#### 2-7.3 S100\_RE\_RegisterItem

The class S100\_RE\_RegisterItem carries the characteristics that are common to all types of registered items. Domain specific extensions may be added in the appropriate part of S-100; for example Part 2a – Feature Concept Dictionary.

Role Name	Name	Description	Mult	Data Type	Remarks
Class	S100_RE _RegisterItem		•	-	Class is abstract
Attribute	itemIdentifier	Each item has its own unique identifier in a Register	1	Integer	
Attribute	name	Succinct expression of the item concept it denotes	1	CharacterString	
Attribute	definition	Shall be a precise statement of the nature, properties, scope, or essential qualities of the concept as realized by the item.	1	CharacterString	
Attribute	remarks	Supplementary information	01	CharacterString	Remarks

Part 2 - Management of Registers

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Note Association name
 Reference – this has been implemented in the GI Registry.

intended to provide a unique

identifier for each item in a

Attribute itemIdentifier is

Register.

S-100 Edition 4.0.0 December 2018

Role Name	Name	Description	Mult	Data Type	Remarks	
Attribute	itemStatus	The state in which a registered item exists	1	RE_ItemStatus		
Attribute	dateAccepted	The date a registered item became valid	01	Date		
Attribute	dateAmended	The date a registered item is clarified, superseded or retired	01	Date		
Association	register	The Register that contains the item	1	S100_RE_Register		
Association	referenceSource	The source information the item definition was taken from.	01	S100_RE_ReferenceSourc		
Association	reference	Reference to other relevant standards or documents	0*	S100_RE_Reference	For example INT1 or M4	
Association	managmentinfo	Sets of information describing the management of the item in the Register	1*	S100_RE_ManagmentInfo		·



### **RECOMMENDATIONS**

International Hydrographic Organization

• S-100WG to consider the addition of the itemIdentifier attribute to the Class S100\_FC\_Item; or an alternative method in order to provide a unique identifier in Feature catalogues that provides a direct link to corresponding version of the registered item in the IHO GI Registry.



## **ACTIONS REQUESTED OF S-100WG**

International Hydrographic Organization

- **Discuss** the proposal to include the addition of the itemIdentifier attribute to the Class S100\_FC\_Item in S-100 Part 5 for Edition 5.0.0.
- Initiate action for the draft S-100 Edition 5.0.0 as appropriate.