S-130PT9

2024-10-21

Opening and Welcome

S130PT9-1

Approval of Agenda

S130PT9-2

https://iho.int/en/s-130pt9

Annex A S130PT9 Draft Agenda

21 October 2024, (13:00 - 15:00, UTC+2, CEST) / VTC Event

DRAFT AGENDA v1.0

| Agenda item | Title | Lead | Remarks | | | | |
|--|--|---------------------------------|---------|--|--|--|--|
| 1. Opening and Administrative Arrangements | | | | | | | |
| S130PT9-1 | Opening and Welcome | Chair | | | | | |
| 2. Approv | al of Agenda | 1 | | | | | |
| S130PT9-2 | Agenda | Chair | 1 | | | | |
| S130PT9-2.1 | Status of List of Actions and Decisions from S-130PT8 | Chair | | | | | |
| 3. Matters | Arising from the PT and Others | | | | | | |
| S130PT9-3 | Review decisions and actions from HSSC16 related to the work of the PT | IHO Sec. | | | | | |
| 4. Work It | ems | | | | | | |
| S130PT9-4.1 | Introduction 'Waterway' concept (Canadian Coast Guard / e-Navigation) | Eiving Mond/ Robin Jefferies | | | | | |
| S130PT9-4.2 | Data Quality Working Group cross-check results for S- 130 Product Specification | DQWG Chair | | | | | |
| S130PT9-4.3 | Meeting with S-100WG | Chair | | | | | |
| S130PT9-4.4 | Test datasets scenario B | Chair | | | | | |
| S130PT9-4.5 | Discuss proposed timeline and work plan for S-130PT to achieve Edition 2.0.0 | All | | | | | |
| 5. Any Otl | ner Business (AOB) | Ø | | | | | |
| S130PT9-5.1 | AOB | IHO Sec. | | | | | |
| S130PT9-5.2 | Group Photo | Chair | | | | | |
| 6. Date an | d Venue of Next Meeting | , | | | | | |
| | Action Items | | | | | | |
| S130PT9-7 | Review Action items | IHO Sec. | | | | | |
| Close | | ve | | | | | |

Status of List of Actions and Decisions from S-130PT8

S130PT9-2.1

List of Actions and Decisions from S-130PT8

| Action | Status |
|---|-----------|
| [Action 8/01] S-130PT8 are invited to update contact details of the S-130PT membership. | Ongoing |
| [Action 8/02] IHO Sec (Yong BAEK) to submit the newly approved definition of "locationReference" and will report on the status of this proposal at the next PT meeting. | |
| [Action 8/03] S-130 PT chair to reflect the new definition in the S-130PT Report to HSSC16. | Completed |
| [Action 8/04] S-130PT Chair to contact S-100 experts to discuss the MultiPolygon issue further, focussing on addressing Scenario B and C as an alternative solution and seeking any suggestions until S-100 supports MultiPolygon geometry. | Completed |

List of Actions and Decisions from S-130PT8

- [Decision 8/01] S-130PT8 approved the draft agenda as presented at the meeting.
- [Decision 8/02] S-130PT8 approved the new definition of "locationReference" as proposed by the PT Chair and advances the proposal to include it in the concept register within the GI registry.
- [Decision 8/03] S-130 PT Chair to notify S-130PT members of the next meeting at least one month in advance.

Review decisions and actions from HSSC16 related to the work of the PT

S130PT9-3

Introduction 'Waterway' concept

S130PT9-4.1

Data Quality Working Group cross-check results for S-130 Product Specification

S130PT9-4.2

Work done + outstanding issues

- Issues with Cross-check of FC and GI Registry
 - \circ minimum Display Scale (camel case issue) \rightarrow fixed in Ed. 1.1.0
 - Numerical Identifier (unregistered) → no longer in Feature Catalogue
 - Text Lat (unregistered) → added to Registry as Text Latitude
 - Text Lon (unregistered) → added to Registry as Text Latitude
 - Version (unregistered) → added to Registry
 - Source Indication (unregistered) → added to Registry
 - Location Reference (unregistered) → added to Registry (see Action 8/02)
 - Global Sea Area (unregistered) → registered, but issues with camel case representation in <S100FC:code>
 - DCEG: Inconsistent rolename of consistsOf and componentOf
 - According to the FC of S-130, if GlobalSeaArea instance 1 consists of GlobalSeaArea instance 2, then there is an Association Role "consistsOf" included in GlobalSeaArea instance 1. However, there is no an Association Role "componentOf" in GlobalSeaArea instance 2.

| Name | Global Sea Area | | |
|-----------|-----------------|--|--|
| Alias | | | |
| CamelCase | globalSeaArea | | |
| | | | |

Further clarification/discussion 'Cross check of DQ chapters of S-100 based product specification'

- Tests regarding Aggregation Measures (e.g. DataProductSpecificationPassed and DataProductSpecificationFailRate) are not required for the S-130 Product Specification.
 - Aggregation is not a mandatory DQ Measure. It will be used only when an evaluation based on a single data quality element is not sufficient for a user to be satisfied. In practice, it could be used in the following scenarios:
 - the overall data set quality is deemed to be conformant only when the data set 100% pass the DQ evaluation based on each data quality element.
 - the overall data set quality is deemed to be conformant only when the data set weighted pass the DQ evaluation based on all of the data quality elements.

Further clarification/discussion 'Cross check of DQ chapters of S-100 based product specification'

- "Similar to the previously reviewed product specifications, DQ chapters of S-124, S-130, S-131, S-201, S-240 and S-401 are not in a harmonized way."
 - There is a Recommended Template for the Data Quality chapter of S-1xx Data Product Specifications which has been developed by DQWG and will be included in S-100 Ed 6.0.0. TWCWG and NIPWG will revise their PSs after the inclusion of the template in S-100 Ed 6.0.0. The DQ chapter of S-130 is developed based on the template, so there is no need to make a big change to it. However, there are something in the S-130 DQ Chapter that need to be discussed and reviewed within the project team. For example, whether or not it is allowable to publish the data set with a quality statement indicating that there is commission or omission of feature instance in the data set?

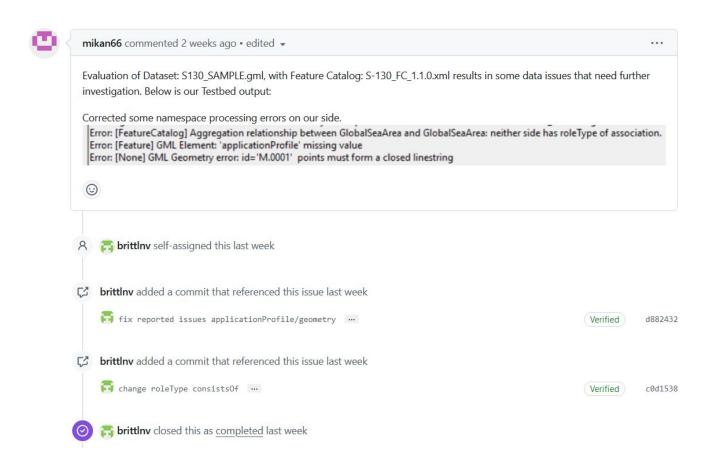
Meeting with S-100WG

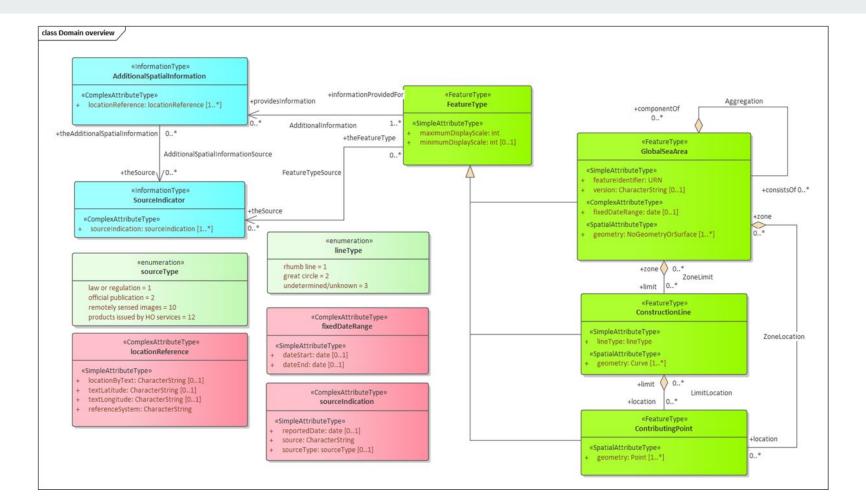
S130PT9-4.3

General remarks

- Assistance with harmonisation to S-100 Edition 5.2.0
 - Little changes needed for S-130PT in general (no Portrayal Catalogue)
 - Changes to Feature Catalogue Schema provide extra capability to mark attributes as public/private/protected
- Use of GitHub to track outstanding issues
 - https://github.com/iho-ohi/S130PT
 - If needed, introduction on use of GitHub at next PT meeting







Feedback on current Application Schema

- maximumDisplayScale required, minimumDisplayScale is not
 - o backwards to what other PS have in mind (to declutter) \rightarrow to reconsider?
 - o maximumDisplayScale = The value considered by the Data Producer to be the maximum (largest) scale at which the data is to be displayed before it can be considered to be "grossly overscaled".
 - minimumDisplayScale = The smallest intended viewing scale for the data.

Feedback on current Application Schema

- version → text value
 - intended for human use or applications?
 - for applications: preferably not a free text string, but integer

MultiPolygon geometry

Scenario A

Scenario B

```
<GlobalSeaArea id = "1">
<attributes>...</attributes>
<geometry>
       <polygon>
              P1
       </polygon>
</geometry>
</GlobalSeaArea>
<GlobalSeaArea id = "2">
<attributes>...</attributes>
<geometry>
       <polygon>
       </polygon>
</geometry>
</GlobalSeaArea>
```

Scenario C

MultiPolygon geometry

Scenario A



Scenario B

```
<GlobalSeaArea id = "1">
<attributes>...</attributes>
<geometry>
       <polygon>
              P1
       </polygon>
</geometry>
</GlobalSeaArea>
<GlobalSeaArea id = "2">
<attributes>...</attributes>
<geometry>
       <polygon>
       </polygon>
</geometry>
</GlobalSeaArea>
```

Scenario C

MultiPolygon geometry

- Arguments pro Scenario B
 - (!) Most off-the-shelf GML software will not be able to read Scenario C
 - Used in S-101 (e.g. IslandGroup / IslandAggregation / LandArea)
 - Leverage existing aggregation to encode relationship(s)

- Arguments pro Scenario C
 - No additional aggregation or associations are required

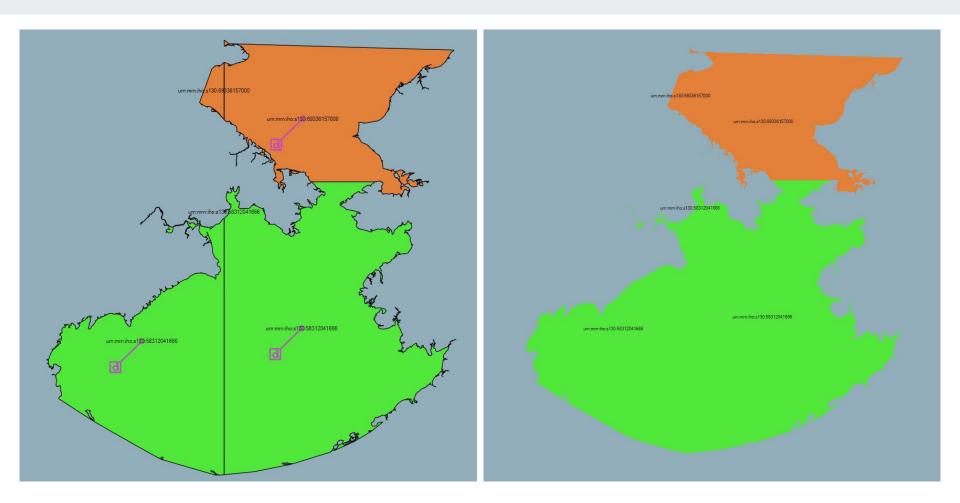
Test datasets scenario B

S130PT9-4.4

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                                                                                                                                                                                     </gml:patches>
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                                                                                                                                                                      <$130:GlobalSeaArea gml:id="M.0003">
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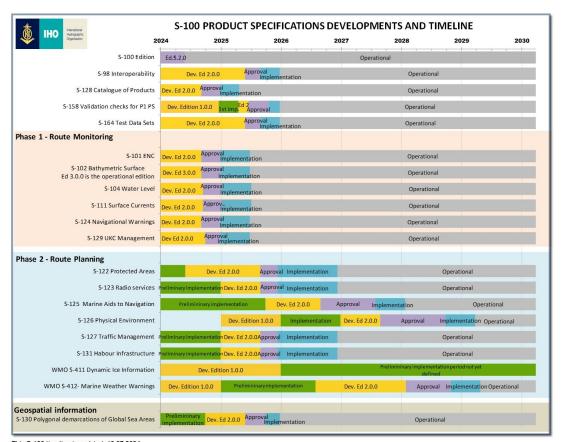
Feedback S-100WG

- Guidance needed from S-130PT in Product Specification regarding
 - Polygon outline
 - join the polygons by urn prior to applying any outlining and labeling
 - OR do not outline the polygons
 - OR provide a separate curve geometry as outline

- Label clutter
 - Issue regardless of encoding polygons

Discuss proposed timeline and work plan for S-130PT to achieve Edition 2.0.0

S130PT9-4.5



This S-100 timeline is updated: 10 07 2024

Moving to Edition 2.0.0

- S-100 validation
 - Meeting with Elizabeth
 Hahessy (Chair of S-158
 Task Group)
 - o S-158:130 Edition x.x.x
 - Only add checks where there is a constraint to S-100 (e.g. exchange set naming convention)

| Required Product Specification component | Level 1 v1.0.0 | Level 2 v1-2.0.0 | Level 3 >v2.0.0 | Level 4 >v2.0.0 | Level 5 >v2.0.0 |
|--|-----------------------|----------------------------|---|------------------------|------------------------|
| Main Document (Defines the relevant parts of S-100 that are required for the Product Specification) | х | x | х | х | x |
| A Default Encoding | Х | X | х | X | X |
| S-100 Compliant Feature Catalogue | X (draft) | X (updated) | X (final, from IHO GI Registry) | X | X |
| Data Classification and Encoding Guide | X (draft) | x | X (final) | х | X |
| S-100 Compliant Portrayal Catalogue NOTE: Not every Specification will need a Portrayal Catalogue – this should be determined as part of the development process and stakeholder feedback. | | х | х | Х | x |
| Data Quality Checks | | x | Х | X | X |
| Test Data Sets | | X | Х | X | X |
| Data Validation (and test datasets) | | х | X | X | X |
| Exchange Catalogue | | X | Х | X | X |



S130PT9-5.1

Group Photo

S130PT9-5.2

Date and Venue of Next Meeting

S130PT9-6

Review Action Items

S130PT9-7