S-130PT8

2024-04-08

Opening and Welcome

S130PT8-1

Approval of Agenda

S130PT8-2

https://iho.int/en/s-130pt8

Annex A S130PT8 Draft Agenda

8 April 2024, (13:00 – 15:00, UTC+2, CEST) / VTC Event

DRAFT AGENDA v1.0

Agenda item	Title	Lead	Remarks
1. Opening and Administrative Arrangements			
S130PT8-1	Opening and Welcome	Chair	
2. Approval of Agenda			
S130PT8-2	Agenda	Chair	
S130PT8-2.1	Status of List of Actions and Decisions from S-130PT7	IHO Sec.	
3. Work Items			
S130PT8-3.1	Application Schema - Status update GI registry definitions for new terms	IHO Sec.	
S130PT8-3.2	Status test datasets for S-130 Product Specification Edition 1.1.0	Chair	
S130PT8-3.3	Feedback HSSC report and paper	Chair	
4. Any Other Business (AOB)			
S130PT8-4.1	AOB	IHO Sec.	
S130PT8-4.2	Group Photo	Chair	
5. Date and Venue of Next Meeting			
6. Review Action Items			
S130PT8-6	Review Action items	IHO Sec.	
Close			

Status of List of Actions and Decisions from S-130PT7

List of Actions and Decisions from S-130PT7

Action	Status
[Action 7/01] S-130PT7 are invited to update contact details of the S-130PT membership.	Ongoing
[Action 7/02] S-130PT Chair/IHO Sec to draft the definition of "locationReference" and submit it to S-130PT for approval.	Completed
[Action 7/03] S-130PT Chair to reach out to the S-100WG to explore potential solutions to the MultiPolygon issue and report back to the S-130PT8 meeting for consideration.	Ongoing
[Action 7/04] S-130PT Chair/Dr Sewoong OH (KHOA) to update the UML diagram for the application schema based on the decisions during the meeting.	Completed

List of Actions and Decisions from S-130PT7

- **[Decision 7/01] S-130PT7 approved** the draft agenda as presented at the meeting.
- **[Decision 7/02] S-130PT7 decided** to refine the definition of "locationReference" and submit it to the concept register.
- **[Decision 7/03] S-130PT7 agreed** to not include an abstract class for InformationType in the schema. The S-130PS will be updated accordingly.
- **[Decision 7/04] S-130PT7 confirmed** that the current draft application schema better suits the intention of the S-130 product as recommended by S-130PT Chair.
- **[Decision 7/05] S-130PT7 confirmed** that the cardinality between ContributingPoints/ConstructionLines and GlobalSeaAreas should remain as it is. However, an informative description will be added in the DCEG.
- **[Decision 7/06] S-130PT7 supported** the enhancement of the presentation of relations in the UML diagram to ensure clarity, as proposed by S-130PT Chair.
- **[Decision 7/07] S-130PT7 confirmed** the next S-130PT meeting on 8 April 2024 as a virtual meeting.

Application Schema
Status update GI registry definitions for new terms

S130PT8-3.1

LocationReference

- Original proposal
  - *textual information to describe a geographic location*
- Feedback
  - *too similar to definition LocationByText*
- New proposal
  - *comprehensive description of a geographic location through textual elements and/or geospatial coordinates*

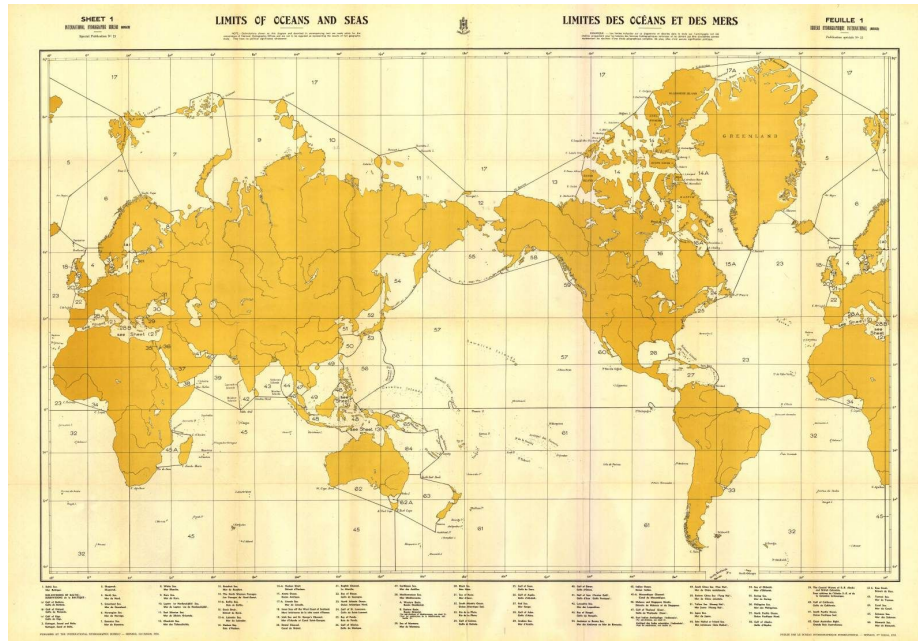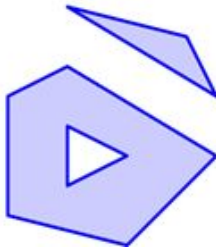# Status test datasets for S-130 Product Specification Edition 1.1.0
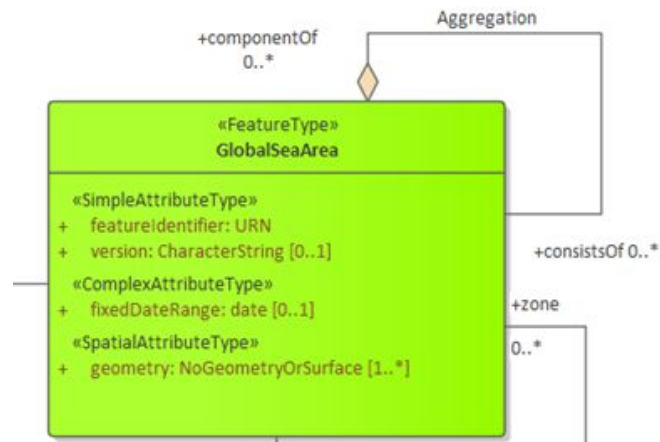
S130PT8-3.2

MultiPolygon geometry

Polygon

MultiPolygon

MultiPolygon geometry

- How does S-100 process MultiPolygon geometry?
  - MultiSurface? PolygonPatches?
- Alternative: use Aggregation relation to group polygons, but this is not conceptually the idea (*featureIdentifier*).

MultiPolygon geometry

- How does S-100 process MultiPolygon geometry?
    - Not supported in part 10b at this time (MultiPoint is supported)
    - Find workaround for now

MultiPolygon geometry

Scenario A

```
<GlobalSeaArea>
<attributes>...</attributes>
<geometry>
        <multipolygon>
                P1, P2
        </multipolygon>
</geometry>
</GlobalSeaArea>
```

Scenario B

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


<GlobalSeaArea id = "2">
<attributes>...</attributes>
<geometry>
                <polygon>
                        P2
                </polygon>
</geometry>
</GlobalSeaArea>
```

Scenario C

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

</geometry>
<geometry>
        <polygon>
                P2
        </polygon>
</geometry>
</GlobalSeaArea>
```

MultiPolygon geometry

Scenario A

```
<GlobalSeaArea ...>
<attributes>...</attributes>
<geometry>
        <multipolygon>
                P1
        </multipolygon>
</geometry>
</GlobalSeaArea>
```

Scenario B

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

<GlobalSeaArea id = "2">
<attributes>...</attributes>
<geometry>
        <polygon>
                P2
        </polygon>
</geometry>
</GlobalSeaArea>
```

Easy but complex

Scenario C

```
<GlobalSeaArea id = "1&2">
<attributes>...</attributes>
<geometry>
        <polygon>
                P1
        </polygon>
        <polygon>
                P2
        </polygon>
</geometry>
</GlobalSeaArea>
```
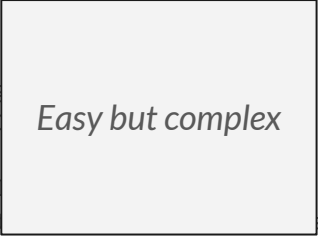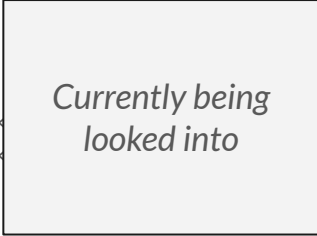
Currently being looked into

Feedback HSSC report and paper

S130PT8-3.3

AOB

S130PT8-4.1

Group Photo

S130PT8-4.2

Date and Venue of Next Meeting

S130PT8-5

Review Action Items

S130PT8-6