Title: DisplayPlanes Container Name

S-100 Maintenance - Change Proposal Form

Organisation	NIWC	Date	Click here to enter a date.
Contact	Mikan Stamenkovich	Email	Mikan.Stamenkovich @navy.mil

Change Proposal Type *(Select only one option)*

1.Clarification	2.Correction	3.Extension
	X	

Location (*Identify all change proposal locations*)

S-100 Version No.	Part No.	Section No.	Proposal Summary
Version 4	Figure 9-20		displayPlanes container not correctly implemented in document schema examples or real schema files.

Change Proposal

Actual schema examples and schema files should match the UML definition throughout.

Document section: **9-A-5 Portrayal Catalogue Schema, page 80.**

Currently (problem area in yellow):

```
<xs:element name="displayPlane" type="DisplayPlanes">
   <xs:key name="displayPlaneKey">
     <xs:selector xpath="displayPlane"/>
      <xs:field xpath="@id"/>
   </xs:key>
</xs:element>
```

Corrected in yellow:

```
<xs:element name="displayPlanes" type="DisplayPlanes">
   <xs:key name="displayPlaneKey">
     <xs:selector xpath="displayPlane"/>
      <xs:field xpath="@id"/>
   </xs:key>
</xs:element>
```

Document section: **9-A-7-1.6 Sample Catalogue XML, page 89.**

Currently (problem area in <mark>yellow</mark>):

```xml
<displayPlane>
 <displayPlane id="U">
  <description>
   <name>Under Radar</name>
   <description></description>
   <language>en</language>
  </description>
  <description>
   <name>Unter Radar</name>
   <description></description>
   <language>de</language>
  </description>
 </displayPlane>
```

Corrected areas in <mark>yellow</mark>:

```xml
<displayPlanes>
 <displayPlane id="U">
  <description>
   <name>Under Radar</name>
   <description></description>
   <language>en</language>
  </description>
  <description>
   <name>Unter Radar</name>
   <description></description>
   <language>de</language>
  </description>
 </displayPlanes>
```

Schema file: S100PortrayalCatalog.xsd, line 246:

Currently (problem area in ==yellow==):

```
<xs:element name="displayPlane" type="DisplayPlanes">
      <xs:key name="displayPlaneKey">
            <xs:selector xpath="displayPlane"/>
            <xs:field xpath="@id"/>
      </xs:key>
</xs:element>
```

Corrected areas in ==yellow==:

```
<xs:element name="displayPlanes" type="DisplayPlanes">
      <xs:key name="displayPlaneKey">
            <xs:selector xpath="displayPlane"/>
            <xs:field xpath="@id"/>
      </xs:key>
</xs:element>
```

Change Proposal Justification

It turns out that the name of the "displayPlanes" container is correct in the UML shown in Figure 9-20, but incorrect in the XML schema. The UML shows the container name as "displayPlanes". Table 9-13.3.1 also shows the container name as "displayPlanes", but 9-A-5 Portrayal Catalogue Schema on page 80 shows the name as "displayPlane". 9-A-7-1.6 Sample Catalogue XML also shows the name as "displayPlane.

The S100PortrayalCatalog.xsd schema on GitHub matches 9-A-5. The XML schema is incorrect and should be corrected to match the document specification

What parts of the S-100 Infrastructure will this proposal affect?

☐   S-100 Feature Concept Dictionary Interface or Database
☐   S-100 Portrayal Register
☐   S-100 Feature Catalogue Builder
☒   S-100 Portrayal Catalogue Builder

☐   S-100 UML Models

Please send completed forms and supporting documentation to the secretary S-100WG.