

Title: Multiplicity of 9-13.3.17 *displayMode* should be 0..***S-100 Maintenance - Change Proposal Form**

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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
5.0 Draft redline	9	9-13.3.17	<i>displayMode</i> multiplicity should be 0..*

Change Proposal

The multiplicity of 9-13.3.17 *displayMode* is shown as 1..*, which disagrees with UML diagram 9-20 and the published catalog schema, where *displayMode* has multiplicity of 0..*.

displayMode must be 0..* because catalogs are not required to contain any viewing group layers. Each display mode must reference at least one viewing group layer. If no viewing group layers are present then no display modes can be defined, as there are no viewing group layers to reference.

Change Proposal Justification

Multiplicity of 9-13.3.17 *displayMode* disagrees with UML shown in Figure 9-20, and with the published catalog schema.

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
- S-100 GitHub Schemas

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