**Title: Part 13 update to align with FC model**

## S-100 Maintenance - Change Proposal Form

| Organisation | NIWC | Date | 6/10/2022 |
|---|---|---|---|
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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 | 13 | 8.1.2.13<br>8.1.2.14 | Update CreateInformationBinding function<br>Update CreateFeatureBinding function |

## Change Proposal

Update the Part 13 scripting functions affected by the change in the FC model.

## Change Proposal Justification

S-100 edition 5.0 extends the feature catalog model so that a binding may have more than one target. This allows the FC to express "one-of-many" relationships. The scripting functions in edition 5.0 must be updated to support this capability.

## 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.**

**13-8.1.2.13 InformationBinding CreateInformationBinding(string[]** *informationTypeCode***, integer** *lowerMultiplicity***, integer** *upperMultiplicity***, string** *roleType***, string** *role***, string** *association***)**

**Return Value:**

*InformationBinding*
>   A Lua table containing an information binding corresponding to a *S100_FC_InformationBinding*.

**Parameters**:

*informationTypeCode*: string[]
>   An array containing one or more *S100_FC_InformationType:code* indicating the target information type(s).

*lowerMultiplicity*: integer
>   The minimum number of required occurrences of this attribute. This is zero for optional attributes.

*[...]*

**13-8.1.2.14 FeatureBinding CreateFeatureBinding(string[]** *featureTypeCode***, integer** *lowerMultiplicity***, integer** *upperMultiplicity***, string** *roleType***, string** *role***, string** *association***)**

**Return Value:**

*FeatureBinding*
>   A Lua table containing a feature binding corresponding to a *S100_FC_FeatureBinding*.

**Parameters**:

*featureTypeCode*: string[]
>   An array containing one or more *S100_FC_FeatureType:code* indicating the target feature type(s).

*lowerMultiplicity*: integer
>   The minimum number of required occurrences of this attribute. This is zero for optional attributes.

*[...]*