

Title: Update 9-12.6.3.5 TextPoint

S-100 Maintenance - Change Proposal Form

Organisation	NIWC	Date	8/20/2019
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Change Proposal Type *(Select only one option)*

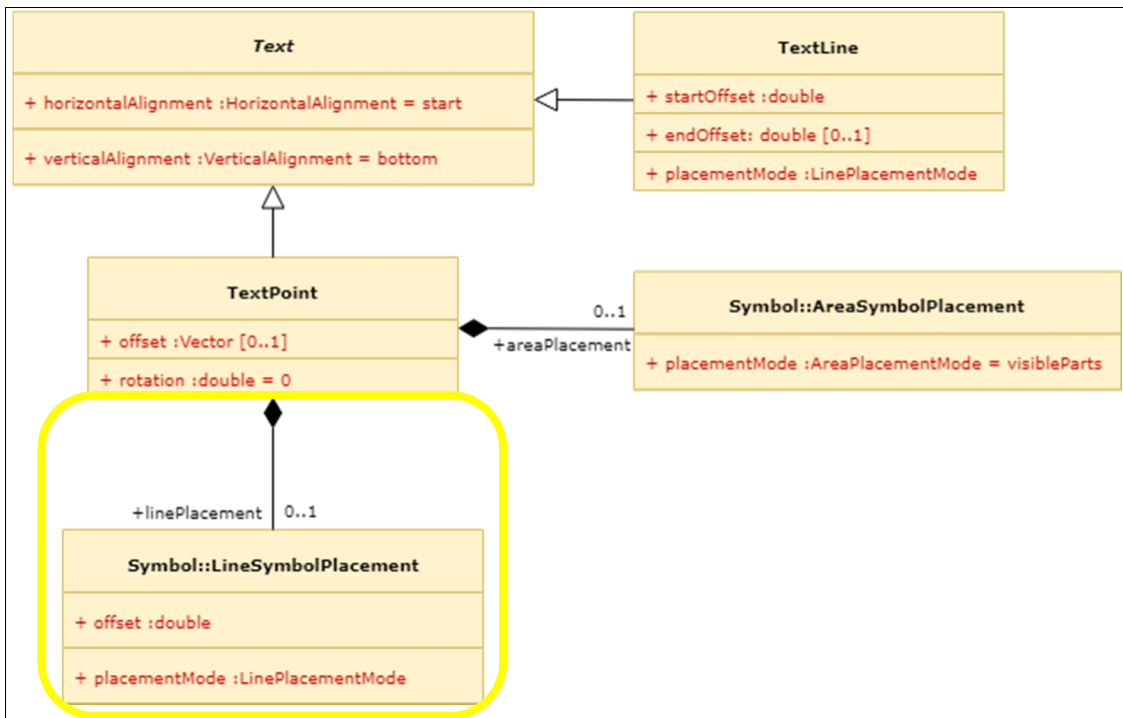
1. Clarification	2. Correction	3. Extension
	X	

Location *(Identify all change proposal locations)*

S-100 Version No.	Part No.	Section No.	Proposal Summary
Version 4	9	12.6.3.5	Allow TextPoint to specify location of point relative to curve

Change Proposal

Add linePlacement attribute to 9-12.6.3.5 TextPoint as highlighted:				
Role	Name	Description	Mult	Type
Class	TextPoint	A graphic element for depicting text relative to a point	-	-
Attribute	offset	Specifies the offset from the anchor point with respect to the portrayal CRS	0..1	GraphicsBase::Vector
Attribute	rotation	Specifies the rotation angle relative to the portrayal CRS. Default = 0	1	double
Role	linePlacement	Describes the placement of the text when the geometry is a curve	0..1	Symbol::LineSymbolPlacement
Role	areaPlacement	Describes the placement of the text when the geometry is a surface	0..1	Symbol::AreaSymbolPlacement
Update Figure 9-18:				



Update 9-A-2 Symbol Definition Schema:

```

<!-- Class TextPoint -->
<xs:complexType name="TextPoint">
  <xs:complexContent>
    <xs:extension base="Text">
      <xs:sequence>
        <xs:element name="offset" type="Vector" minOccurs="0" maxOccurs="1"/>
        <xs:element name="linePlacement" type="LineSymbolPlacement" minOccurs="0" maxOccurs="1"/>
        <xs:element name="areaPlacement" type="AreaSymbolPlacement" minOccurs="0" maxOccurs="1"/>
      </xs:sequence>
      <xs:attribute name="rotation" type="xs:double" default="0.0"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
  
```

Change Proposal Justification

Currently 9-12.6.3.5 *TextPoint* does not support specifying how far along a curve the origin should be situated, nor whether the placement should be relative or absolute.

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.