Title: Add visibleParts to LineSymbolPlacement

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	9 9A	9-12.3 9a-11.2.2.2	See redlines See redlines

Change Proposal

Allow a symbol to be placed on the visible part(s) of a curve.

Change Proposal Justification

The S-101 portrayal sub-working group is prototyping various changes to the portrayal of contour labels. One portrayal to be evaluated requires placing labels half-way along the visible portion(s) of each depth contour. This capability is not currently provided by the S-100 portrayal model.

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

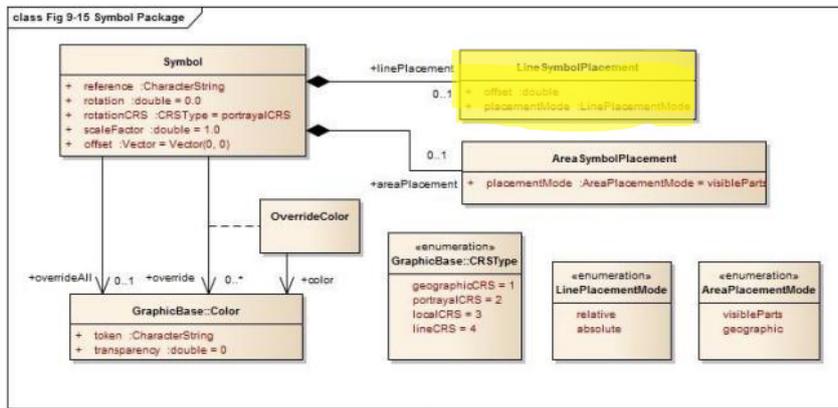**Please send completed forms and supporting documentation to the secretary S-100WG.**

9-12.3

Figure 9-15 — Symbol Package

> **Commented [GDM(CUNAV1):** Add "+ visibleParts :boolean = false" to LineSymbolPlacement

[…]

9-12.3.1.3 LineSymbolPlacement

Role Name	Name	Description	Mult.	Type
Class	LineSymbolPlacement	Defines the placement of a symbol along a line	-	-
Attribute	offset	The offset from the start of the curve	1	double
Attribute	placementMode	The mode that defines how the offset is to be interpreted	1	LinePlacementMode
Attribute	visibleParts	When true, indicates the placement applies to each visible part of the curve. Default = false	0..1	boolean

9a-11.2.2.2 Transform Commands

[…]

Table 9a-8 – Transform Commands

Command	Parameters	Type	Initial State	Part 9 Reference
LocalOffset	[…]	[…]	[…]	[…]
LinePlacement	linePlacementMode	string	Relative	9-12.3.1.5
	offset	double	0.5	
	endOffset	double	nil	
	visibleParts	boolean	false	
AreaPlacement	[…]	[…]	[…]	[…]

[…]

LinePlacement:*linePlacementMode,offset[,endOffset][,visibleParts]*

Specifies the placement along a line for symbols or text output by subsequent drawing commands.

> *linePlacementMode*
>
> > *Relative* *offset* is in homogenous coordinates, 0 for the start and 1 for the end of the curve.

        Absolute   offset specifies the distance from the start of the curve.

offset   The offset from the start of the curve. If *endOffset* is also specified this indicates the start point of any *TextInstruction* command.

endOffset   If present, indicates the text drawn by any *TextInstruction* is depicted along the linear geometry.

                  If present and contains a value, further indicates the end point of any *TextInstruction* command. Horizontal alignment has no effect in this case.

visibleParts   If present and true, indicates the placement applies to each visible part of the curve.

Applicability: *PointInstruction, TextInstruction*

S100PC/…/S100SymbolDefinition.xsd

[…]

```
<!-- Class LineSymbolPlacement  -->
<xs:complexType name="LineSymbolPlacement">
    <xs:sequence>
        <xs:element name="offset" type="xs:double"/>
    </xs:sequence>
    <xs:attribute name="placementMode" type="LinePlacementMode" use="required"/>
    <xs:attribute name="visibleParts" type="xs:boolean" default="false"/>
</xs:complexType>
```