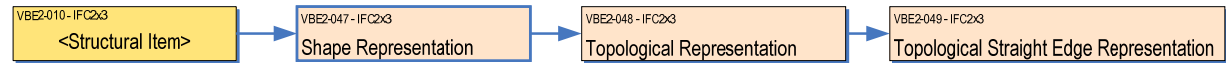


IFC Release Specific Concept Description (IFC2x3)

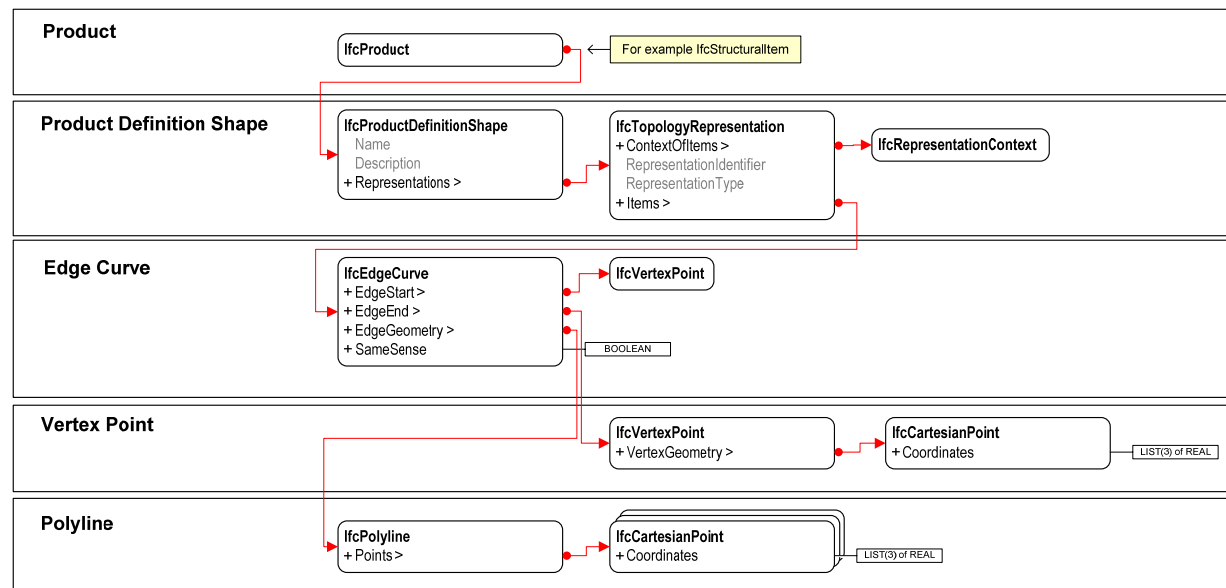
Topological Straight Edge Representation

Reference	VBE2-049	Version	1.0	Status	Draft
Relationships	Implements general concept VBE2-226 "Edge Representation"				
History	Created 23.10.2006				
Authors	Sakari Lehtinen				
Document Owner	Tampere University of Technology				

Usage in view definition diagram



Instantiation diagram



Implementation agreements

- *Name*. Not used.
- *Description*. Not used.
- *RepresentationIdentifier*. Not used.
- *RepresentationType*. Not used.
- *SameSense*. Not used.
- The polyline may have more than two vertices.

Additional information

P21 example

```
#77= IFCGEOMETRICREPRESENTATIONCONTEXT($, 4, 3, 1.0000000E-5, #44, #47);
#22=IFCSTRUCTURALCURVECONNECTION('30pMjncjf7x4CA10uJHq4J', #2, 'Example Curve Connection', $, $, #1796, #1788, $);
#1772=IFCCARTESIANPOINT((7100.0, 100.0, 2680.0));
#1784=IFCVERTEXPOINT(#1772);
#1773=IFCCARTESIANPOINT((7100.0, -12100.0, 2680.0));
#1785=IFCVERTEXPOINT(#1773);
#1786=IFCPOLYLINE((#1772, #1773));
#1783=IFCEDGECURVE(#1784, #1785, #1786, .T.);
#1955=IFCTOPOLOGYREPRESENTATION(#77, $, 'Edge', (#1783));
#1788=IFCPRODUCTREPRESENTATION($, $, (#1955));

#1769=IFCAXIS2PLACEMENT3D($, #36, $);
#1796=IFCLOCALPLACEMENT($, #1769);
```

This document uses the official IFC Model View Definition Format version 1.1.0. of the IAI (www.iai-international.org)
 The content of this document has to be certified by the IAI before becoming part of an official IFC Model View Definition.

