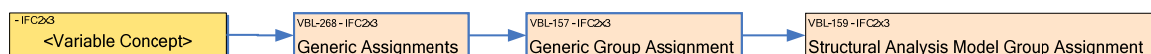


IFC Release Specific Concept Description (IFC2x3)

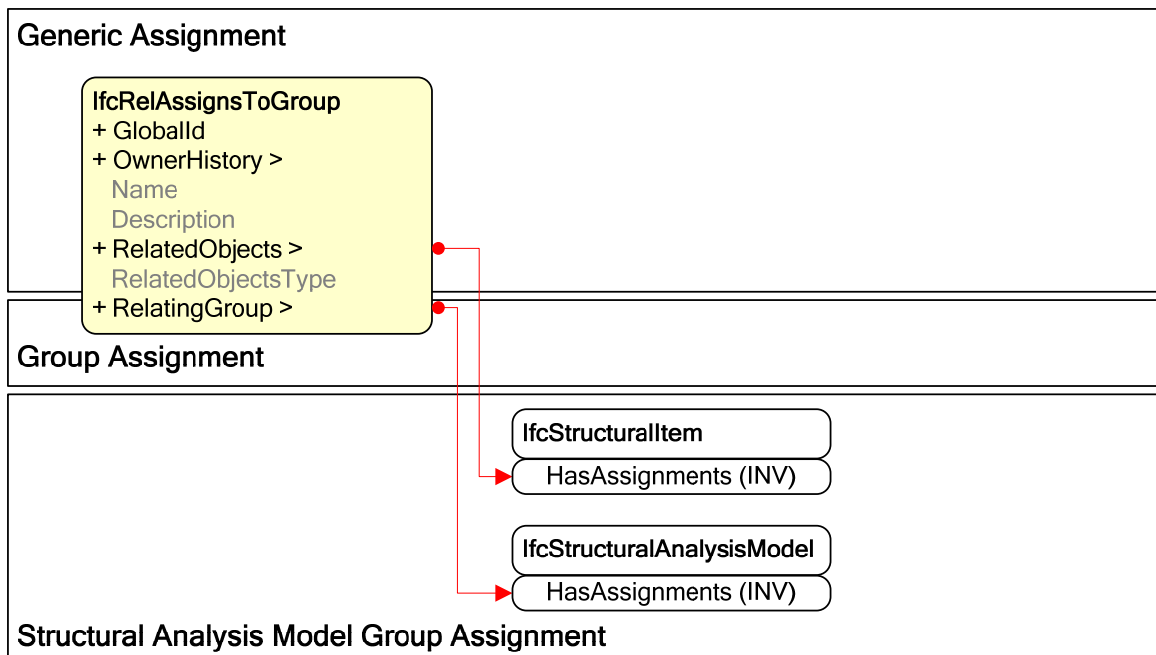
Structural Analysis Model Group Assignment

Reference	VBL-159	Version	2	Status	Proposal
Relationships	Implements general concept VBL-115 "Structural Analysis Model Members"				
History	Created 23.10.2006, improved 27.9.2007				
Authors	Sakari Lehtinen				
Document Owner	Virtual Building Laboratory @ TUT (sakari.lehtinen@tut.fi)				

Usage in view definition diagram



Instantiation diagram



Implementation agreements

Structural Analysis Model Group Assignment lists all the structural items used in the specific instance of an analysis model.

IfcRelAssignsToGroup

Attribute	Implementation agreements
GlobalId	Providing a GUID is mandatory, but the GUID is allowed to change.
OwnerHistory	Providing an OwnerHistory is mandatory, but it is allowed to use dummy data.
Name	Reserved.
Description	Reserved.
RelatedObjects	List of all the IfcStructuralItems assigned to the IfcStructuralAnalysisModel. Objects in the list may be any subtype of IfcStructuralItem.
RelatedObjectsType	Not used.
RelatingGroup	Must be one IfcStructuralAnalysisModel.

Additional information

P21 example

```
#28=IFCSTRUCTURALANALYSISMODEL('2uRpA0c3HFLcW0f7ywxmPv',#2,'Example model',$,$,.LOADING_3D.,$(#8,#16,#33),$);  
#20=IFCRELASSIGNSTOGROUP('3gnnVaLdnEZr_KwapBkzEf',#2,$,$,($21,#22,#23,#24),$,$28);  
#21=IFCSTRUCTURALCURVEMEMBER('32vI$VpG1FHc0NMm0e1p_7',#2,'Example curvemember',$,$,#1897,#1898,.RIGID_JOINED_MEMBER.);  
#22=IFCSTRUCTURALSURFACEMEMBER('2tvI$VpG1FHc0NMm0e1p_7',#2,'Example surfacemember',$,$,#1797,#1798,.SHELL.,200.0);  
#23=IFCSTRUCTURALPOINTCONNECTION('88pMJnCjf7x4CA10uJHq4J',#2,'Example pointconnection',$,$,#1797,#1789,$);  
#24=IFCSTRUCTURALCURVECONNECTION('30pMJnCjf7x4CA10uJHq4J',#2,'Example curveconnection',$,$,#1796,#1788,$);
```

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The content of this document has to be certified by the IAI before becoming part of an official IFC Model View Definition.