

Schema documentation for CAEX_ClassModel_V2.15_16.05.2007.xsd

april 27, 2018

Table of Contents

Namespace: ""	2
Schema(s)	2
Main schema CAEX_ClassModel_V2.15_16.05.2007.xsd	2
Element(s)	2
Element Header / Description	2
Element Header / Version	3
Element Header / Revision	4
Element Header / Copyright	5
Element Header / AdditionalInformation	6
Element Header / Revision / RevisionDate	6
Element Header / Revision / OldVersion	6
Element Header / Revision / NewVersion	6
Element Header / Revision / AuthorName	7
Element Header / Revision / Comment	7
Element InterfaceClassType / Attribute	7
Element AttributeType / DefaultValue	9
Element AttributeType / Value	10
Element AttributeType / RefSemantic	10
Element AttributeType / Constraint	12
ElementAttributeValueRequirementType / OrdinalScaledType	14
ElementAttributeValueRequirementType / OrdinalScaledType / RequiredMaxValue	15
ElementAttributeValueRequirementType / OrdinalScaledType / RequiredValue	15
ElementAttributeValueRequirementType / OrdinalScaledType / RequiredMinValue	15
ElementAttributeValueRequirementType / NominalScaledType	16
ElementAttributeValueRequirementType / NominalScaledType / RequiredValue	16
ElementAttributeValueRequirementType / UnknownType	17
ElementAttributeValueRequirementType / UnknownType / Requirements	17
Element AttributeType / Attribute	18
Element InterfaceFamilyType / InterfaceClass	20
Element RoleClassType / Attribute	22
Element RoleClassType / ExternalInterface	24
Element RoleFamilyType / RoleClass	26
Element SystemUnitClassType / Attribute	28
Element SystemUnitClassType / ExternalInterface	30
Element SystemUnitClassType / InternalElement	32
Element SystemUnitClassType / SupportedRoleClass	34
Element SystemUnitClassType / SupportedRoleClass / MappingObject	36
Element MappingType /AttributeNameMapping	38
Element MappingType / InterfaceNameMapping	39
Element SystemUnitClassType / InternalLink	41
Element InternalElementType / RoleRequirements	43
Element InternalElementType / RoleRequirements / Attribute	45
Element InternalElementType / RoleRequirements / ExternalInterface	47
Element InternalElementType / MappingObject	49
Element SystemUnitFamilyType / SystemUnitClass	51
Element CAEXfile	53
Element CAEXfile / ExternalReference	57
Element CAEXfile / InstanceHierarchy	58
Element CAEXfile / InstanceHierarchy / InternalElement	60
Element CAEXfile / InterfaceClassLib	62
Element CAEXfile / InterfaceClassLib / InterfaceClass	64
Element CAEXfile / RoleClassLib	66
Element CAEXfile / RoleClassLib / RoleClass	68
Element CAEXfile / SystemUnitClassLib	70
Element CAEXfile / SystemUnitClassLib / SystemUnitClass	72
Simple Type(s)	74
Simple Type ChangeMode	74
Complex Type(s)	75
Complex Type CAEXBasicObject	75
Complex Type CAEXObject	76

Complex Type InterfaceClassType	78
Complex Type AttributeType	80
Complex TypeAttributeValueRequirementType	83
Complex Type InterfaceFamilyType	86
Complex Type RoleClassType	88
Complex Type RoleFamilyType	90
Complex Type SystemUnitClassType	92
Complex Type InternalElementType	95
Complex Type MappingType	98
Complex Type SystemUnitFamilyType	99
Attribute(s)	101
Attribute Header / Description / @ChangeMode	101
Attribute Header / Version / @ChangeMode	102
Attribute Header / Copyright / @ChangeMode	102
Attribute Header / @ChangeMode	102
Attribute CAEXBasicObject / @ChangeMode	103
Attribute Header / @ID	103
Attribute Header / @Name	103
Attribute CAEXObject / @ID	104
Attribute CAEXObject / @Name	104
Attribute Header / @CorrespondingAttributePath	104
Attribute AttributeType / RefSemantic / @CorrespondingAttributePath	104
AttributeAttributeValueRequirementType / @Name	104
Attribute AttributeType / @Unit	105
Attribute AttributeType / @AttributeDataType	105
Attribute InterfaceClassType / @RefBaseClassPath	105
Attribute RoleClassType / @RefBaseClassPath	106
Attribute Header / @SystemUnitAttributeName	106
Attribute Header / @RoleAttributeName	106
Attribute MappingType / AttributeNameMapping / @RoleAttributeName	106
Attribute MappingType / AttributeNameMapping / @SystemUnitAttributeName	106
Attribute Header / @SystemUnitInterfaceName	107
Attribute Header / @RoleInterfaceName	107
Attribute MappingType / InterfaceNameMapping / @RoleInterfaceName	107
Attribute MappingType / InterfaceNameMapping / @SystemUnitInterfaceName	107
Attribute SystemUnitClassType / SupportedRoleClass / @RefRoleClassPath	107
Attribute Header / @RefPartnerSideA	107
Attribute Header / @RefPartnerSideB	108
Attribute SystemUnitClassType / InternalLink / @RefPartnerSideA	108
Attribute SystemUnitClassType / InternalLink / @RefPartnerSideB	108
Attribute InternalElementType / RoleRequirements / @RefBaseRoleClassPath	108
Attribute InternalElementType / @RefBaseSystemUnitPath	108
Attribute SystemUnitFamilyType / @RefBaseClassPath	109
Attribute Header / @Path	109
Attribute Header / @Alias	109
Attribute CAEXfile / ExternalReference / @Alias	109
Attribute CAEXfile / ExternalReference / @Path	110
Attribute CAEXfile / @FileName	110
Attribute CAEXfile / @SchemaVersion	110
Element Group(s)	111
Element Group Header	111

Namespace: ""

Schema(s)

Main schema CAEX_ClassModel_V2.15_16.05.2007.xsd

Namespace	No namespace
Properties	attribute form default: unqualified element form default: qualified
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd

Element(s)

Element Header / Description

Namespace	No namespace
-----------	--------------

Annotations	Textual description for CAEX objects.										
Diagram	<pre> graph LR A[Description] --> B["extension of 'xs:string'"] B --> C["@ attributes"] C --> D[ChangeMode] D --> E["Type ChangeMode"] E --> F["Default state"] </pre>										
Type	extension of xs:string										
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td> <td style="padding: 2px;">complex</td> </tr> <tr> <td style="padding: 2px;">minOccurs:</td> <td style="padding: 2px;">0</td> </tr> </table>	content:	complex	minOccurs:	0						
content:	complex										
minOccurs:	0										
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="padding: 2px;">QName</th> <th style="padding: 2px;">Type</th> <th style="padding: 2px;">Fixed</th> <th style="padding: 2px;">Default</th> <th style="padding: 2px;">Use</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">ChangeMode</td> <td style="padding: 2px;">ChangeMode</td> <td style="padding: 2px;"></td> <td style="padding: 2px;">state</td> <td style="padding: 2px;">optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	ChangeMode	ChangeMode		state	optional
QName	Type	Fixed	Default	Use							
ChangeMode	ChangeMode		state	optional							
Source	<pre> <xs:element name="Description" minOccurs="0"> <xs:annotation> <xs:documentation>Textual description for CAEX objects.</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="ChangeMode" type="ChangeMode" use="optional" default="state"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </pre>										
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd										

Element Header / Version

Namespace	No namespace										
Annotations	Organizational information about the state of the version.										
Diagram	<pre> graph LR A[Version] --> B["extension of 'xs:string'"] B --> C["@ attributes"] C --> D[ChangeMode] D --> E["Type ChangeMode"] E --> F["Default state"] </pre>										
Type	extension of xs:string										
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td> <td style="padding: 2px;">complex</td> </tr> <tr> <td style="padding: 2px;">minOccurs:</td> <td style="padding: 2px;">0</td> </tr> </table>	content:	complex	minOccurs:	0						
content:	complex										
minOccurs:	0										
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="padding: 2px;">QName</th> <th style="padding: 2px;">Type</th> <th style="padding: 2px;">Fixed</th> <th style="padding: 2px;">Default</th> <th style="padding: 2px;">Use</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">ChangeMode</td> <td style="padding: 2px;">ChangeMode</td> <td style="padding: 2px;"></td> <td style="padding: 2px;">state</td> <td style="padding: 2px;">optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	ChangeMode	ChangeMode		state	optional
QName	Type	Fixed	Default	Use							
ChangeMode	ChangeMode		state	optional							
Source	<pre> <xs:element name="Version" minOccurs="0"> <xs:annotation> <xs:documentation>Organizational information about the state of the version.</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="ChangeMode" type="ChangeMode" use="optional" default="state"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </pre>										
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd										

Element Header / Revision

Namespace	No namespace						
Annotations	Organizational information about the state of the revision.						
Diagram	<pre> classDiagram CAEXBasicObject < -- CAEXBasicObjectExtensionBase CAEXBasicObjectExtensionBase { @ ChangeMode Type ChangeMode Default state << Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range:... >> } CAEXBasicObjectExtensionBase { Header << Textual description for CAEX objects. >> } CAEXBasicObjectExtensionBase { Revision Type extension of 'CAEXBasicObject' << Organizational information about the state of the revision. >> } CAEXBasicObjectExtensionBase { Copyright Type extension of 'xs:string' << Organizational information about copyright. >> } CAEXBasicObjectExtensionBase { AdditionalInformation Type xs:anyType << Optional auxiliary field that may contain any additional information about a CAEX object. >> } CAEXBasicObjectExtensionBase { << Defines a group of organizational information, like description, version, revision, copyright, etc. >> } CAEXBasicObjectExtensionBase { << CAEX basic object that comprises a basic set of attributes and header information which exist for all CAEX elements. >> } CAEXBasicObjectExtensionBase { RevisionDate Type xs:dateTime } CAEXBasicObjectExtensionBase { OldVersion Type xs:string } CAEXBasicObjectExtensionBase { NewVersion Type xs:string } CAEXBasicObjectExtensionBase { AuthorName Type xs:string } CAEXBasicObjectExtensionBase { Comment Type xs:string } Revision { Type extension of 'CAEXBasicObject' << Organizational information about the state of the revision. >> } </pre>						
Type	extension of CAEXBasicObject						
Type hierarchy	<ul style="list-style-type: none"> • CAEXBasicObject 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation* , RevisionDate , OldVersion{0,1} , NewVersion{0,1} , AuthorName , Comment{0,1}						
Children	AdditionalInformation, AuthorName, Comment, Copyright, Description, NewVersion, OldVersion, Revision, RevisionDate, Version						
Instance	<Revision ChangeMode="state">						

	<pre><Description ChangeMode="state">{0,1}</Description> <Version ChangeMode="state">{0,1}</Version> <Revision ChangeModes="state">{0,unbounded}</Revision> <Copyright ChangeMode="state">{0,1}</Copyright> <AdditionalInformation>{0,unbounded}</AdditionalInformation> <RevisionDate>{1,1}</RevisionDate> <OldVersion>{0,1}</OldVersion> <NewVersion>{0,1}</NewVersion> <AuthorName>{1,1}</AuthorName> <Comment>{0,1}</Comment> </Revision></pre>				
Attributes	QName	Type	Fixed	Default	Use
	ChangeMode	ChangeMode		state	optional
	Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.				
Source	<pre><xss:element name="Revision" minOccurs="0" maxOccurs="unbounded"> <xss:annotation> <xss:documentation>Organizational information about the state of the revision.</xss:documentation> </xss:annotation> <xss:complexType> <xss:complexContent> <xss:extension base="CAEXBasicObject"> <xss:sequence> <xss:element name="RevisionDate" type="xs:dateTime"/> <xss:element name="OldVersion" type="xs:string" minOccurs="0"/> <xss:element name="NewVersion" type="xs:string" minOccurs="0"/> <xss:element name="AuthorName" type="xs:string"/> <xss:element name="Comment" type="xs:string" minOccurs="0"/> </xss:sequence> </xss:extension> </xss:complexContent> </xss:complexType> </xss:element></pre>				
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd				

Element Header / Copyright

Namespace	No namespace										
Annotations	Organizational information about copyright.										
Diagram	<pre> classDiagram class Copyright { <<Extension of xs:string>> <<Organizational information about copyright.>> } class xs:string class ChangeMode { <<ChangeMode>> <<Type: ChangeMode, Default: state>> } Copyright < -- xs:string ChangeMode < -- xs:string </pre>										
Type	extension of xs:string										
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	complex	minOccurs:	0						
content:	complex										
minOccurs:	0										
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>ChangeMode</td> <td>ChangeMode</td> <td></td> <td>state</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	ChangeMode	ChangeMode		state	optional
QName	Type	Fixed	Default	Use							
ChangeMode	ChangeMode		state	optional							
Source	<pre><xss:element name="Copyright" minOccurs="0"> <xss:annotation> <xss:documentation>Organizational information about copyright.</xss:documentation> </xss:annotation> <xss:complexType> <xss:simpleContent> <xss:extension base="xs:string"> <xss:attribute name="ChangeMode" type="ChangeMode" use="optional" default="state"/> </xss:extension> </xss:simpleContent> </xss:complexType> </xss:element></pre>										

Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd
-----------------	--

Element Header / AdditionalInformation

Namespace	No namespace
Annotations	Optional auxiliary field that may contain any additional information about a CAEX object.
Diagram	<p>AdditionalInformation Type xs:anyType</p> <p>Optional auxiliary field that may contain any additional information about a CAEX object.</p> <p>Serves as the root of the type definition hierarchy for any schema. It has the unique characteristic that it can...</p>
Properties	minOccurs: 0 maxOccurs: unbounded
Source	<pre><xs:element name="AdditionalInformation" type="xs:anyType" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Optional auxiliary field that may contain any additional information about a CAEX object.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd

Element Header / Revision / RevisionDate

Namespace	No namespace
Diagram	<p>RevisionDate Type xs:dateTime</p> <p>Built-in primitive type. The dateTime datatype represents a specific instant of time.</p>
Type	xs:dateTime
Properties	content: simple
Source	<pre><xs:element name="RevisionDate" type="xs:dateTime" /></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd

Element Header / Revision / OldVersion

Namespace	No namespace
Diagram	<p>OldVersion Type xs:string</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	xs:string
Properties	content: simple minOccurs: 0
Source	<pre><xs:element name="OldVersion" type="xs:string" minOccurs="0" /></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd

Element Header / Revision / NewVersion

Namespace	No namespace
-----------	--------------

Diagram	<p>The diagram shows the 'NewVersion' element type. It has a rounded rectangle labeled 'NewVersion' with a small circle icon to its left. Below it, another rounded rectangle labeled 'Type' contains the text 'xs:string'. A line connects the two rectangles. To the right of the line is a small purple square icon representing the string datatype.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>				
Type	xs:string				
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				
Source	<xs:element name="NewVersion" type="xs:string" minOccurs="0" />				
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd				

Element Header / Revision / AuthorName

Namespace	No namespace		
Diagram	<p>The diagram shows the 'AuthorName' element type. It has a rounded rectangle labeled 'AuthorName' with a small circle icon to its left. Below it, another rounded rectangle labeled 'Type' contains the text 'xs:string'. A line connects the two rectangles. To the right of the line is a small purple square icon representing the string datatype.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>		
Type	xs:string		
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> </table>	content:	simple
content:	simple		
Source	<xs:element name="AuthorName" type="xs:string" />		
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd		

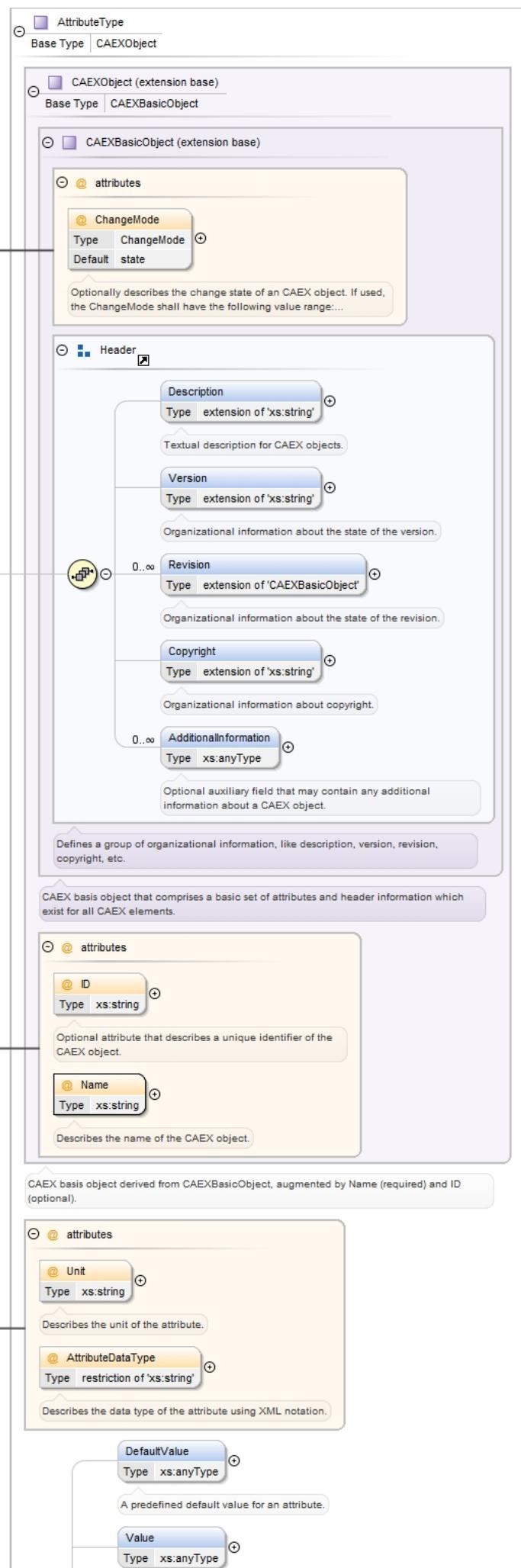
Element Header / Revision / Comment

Namespace	No namespace				
Diagram	<p>The diagram shows the 'Comment' element type. It has a rounded rectangle labeled 'Comment' with a small circle icon to its left. Below it, another rounded rectangle labeled 'Type' contains the text 'xs:string'. A line connects the two rectangles. To the right of the line is a small purple square icon representing the string datatype.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>				
Type	xs:string				
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				
Source	<xs:element name="Comment" type="xs:string" minOccurs="0" />				
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd				

Element InterfaceClassType / Attribute

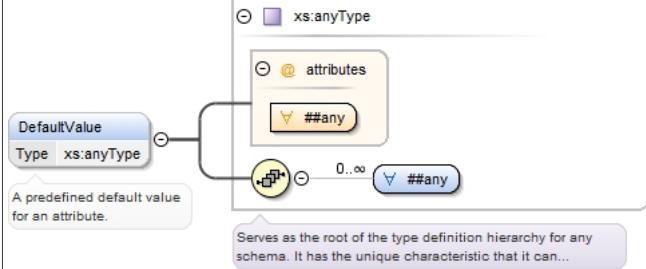
Namespace	No namespace
Annotations	Characterizes properties of the InterfaceClass.

Diagram



Type	AttributeType																																																											
Type hierarchy	<ul style="list-style-type: none"> • CAEXBasicObject • CAEXObject • AttributeType 																																																											
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>																																																											
Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation* , DefaultValue{0,1} , Value{0,1} , RefSemantic* , Constraint* , Attribute*																																																											
Children	AdditionalInformation, Attribute, Constraint, Copyright, DefaultValue, Description, RefSemantic, Revision, Value, Version																																																											
Instance	<pre><Attribute AttributeDataType="" ChangeMode="state" ID="" Name="" Unit=""> <Description ChangeMode="state">{0,1}</Description> <Version ChangeMode="state">{0,1}</Version> <Revision ChangeMode="state">{0,unbounded}</Revision> <Copyright ChangeMode="state">{0,1}</Copyright> <AdditionalInformation>{0,unbounded}</AdditionalInformation> <DefaultValue>{0,1}</DefaultValue> <Value>{0,1}</Value> <RefSemantic ChangeMode="state" CorrespondingAttributePath="">{0,unbounded}</RefSemantic> <Constraint ChangeMode="state" Name="">{0,unbounded}</Constraint> <Attribute AttributeDataType="" ChangeMode="state" ID="" Name="" Unit="">{0,unbounded}</Attribute> </Attribute></pre>																																																											
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>AttributeDataType</td> <td>xs:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Describes the data type of the attribute using XML notation.</td></tr> <tr> <td>ChangeMode</td> <td>ChangeMode</td> <td></td> <td>state</td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.</td></tr> <tr> <td>ID</td> <td>xs:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Optional attribute that describes a unique identifier of the CAEX object.</td></tr> <tr> <td>Name</td> <td>xs:string</td> <td></td> <td></td> <td>required</td> </tr> <tr> <td></td> <td colspan="4">Describes the name of the CAEX object.</td></tr> <tr> <td>Unit</td> <td>xs:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Describes the unit of the attribute.</td></tr> </tbody> </table>					QName	Type	Fixed	Default	Use	AttributeDataType	xs:string			optional		Describes the data type of the attribute using XML notation.				ChangeMode	ChangeMode		state	optional		Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.				ID	xs:string			optional		Optional attribute that describes a unique identifier of the CAEX object.				Name	xs:string			required		Describes the name of the CAEX object.				Unit	xs:string			optional		Describes the unit of the attribute.			
QName	Type	Fixed	Default	Use																																																								
AttributeDataType	xs:string			optional																																																								
	Describes the data type of the attribute using XML notation.																																																											
ChangeMode	ChangeMode		state	optional																																																								
	Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.																																																											
ID	xs:string			optional																																																								
	Optional attribute that describes a unique identifier of the CAEX object.																																																											
Name	xs:string			required																																																								
	Describes the name of the CAEX object.																																																											
Unit	xs:string			optional																																																								
	Describes the unit of the attribute.																																																											
Source	<pre><xss:element name="Attribute" type="AttributeType" minOccurs="0" maxOccurs="unbounded"> <xss:annotation> <xss:documentation>Characterizes properties of the InterfaceClass.</xss:documentation> </xss:annotation> </xss:element></pre>																																																											
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd																																																											

Element AttributeType / DefaultValue

Namespace	No namespace
Annotations	A predefined default value for an attribute.
Diagram	
Properties	minOccurs: 0

Source	<pre><xss:element name="DefaultValue" type="xs:anyType" minOccurs="0"> <xss:annotation> <xss:documentation>A predefined default value for an attribute.</xss:documentation> </xss:annotation> </xss:element></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd

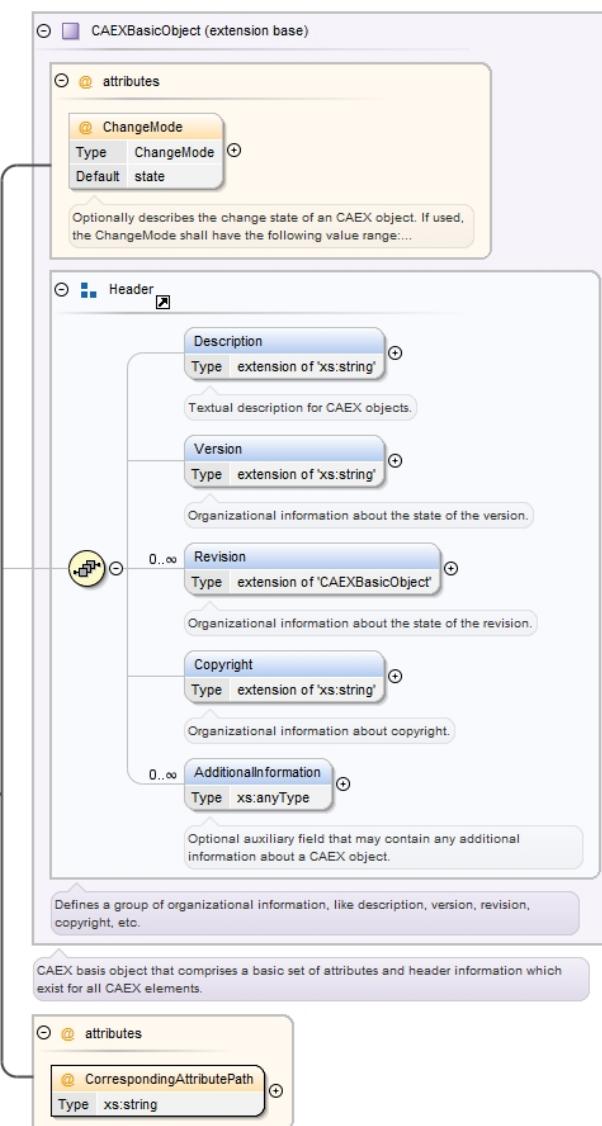
Element AttributeType / Value

Namespace	No namespace
Annotations	Element describing the value of an attribute.
Diagram	
Properties	minOccurs: 0
Source	<pre><xss:element name="Value" type="xs:anyType" minOccurs="0"> <xss:annotation> <xss:documentation>Element describing the value of an attribute.</xss:documentation> </xss:annotation> </xss:element></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd

Element AttributeType / RefSemantic

Namespace	No namespace
Annotations	A reference to a definition of a defined attribute, e. g. to an attribute in a standardized library, this allows the semantic definition of the attribute.

Diagram



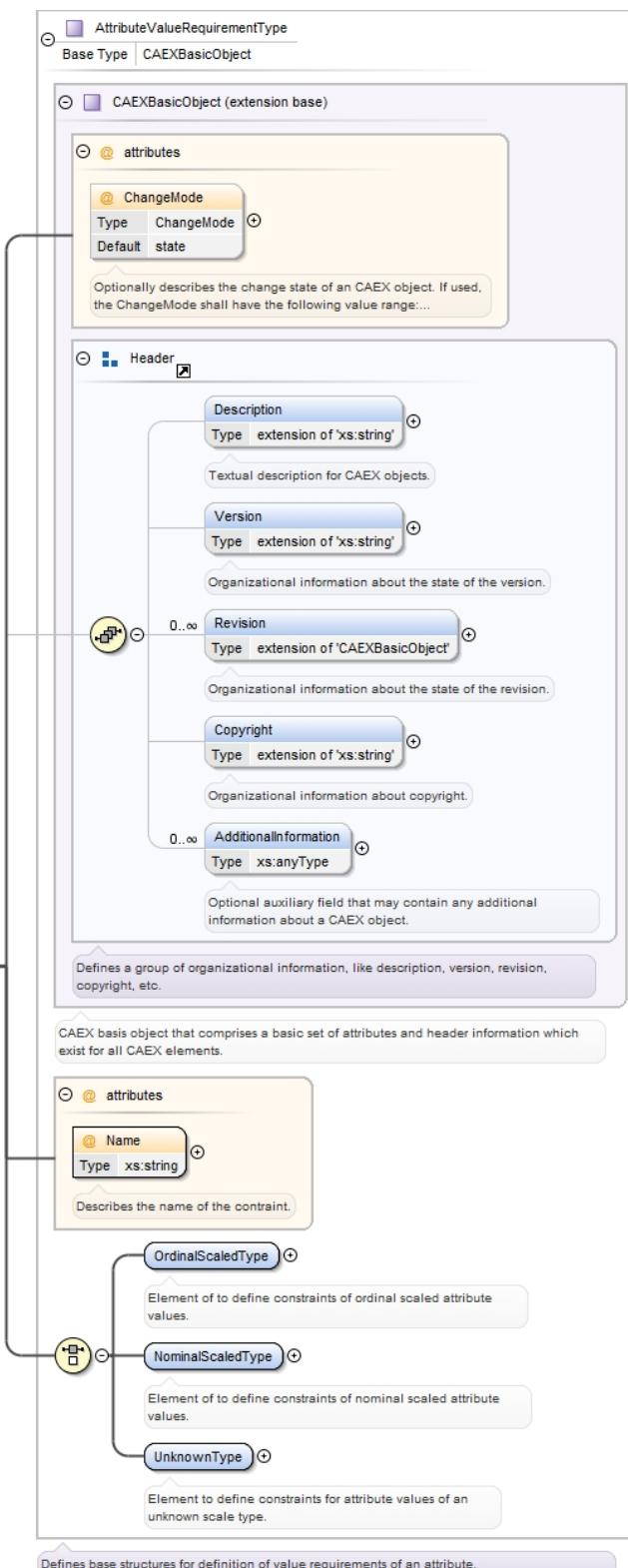
Type	extension of CAEXBasicObject																				
Type hierarchy	<ul style="list-style-type: none"> • CAEXBasicObject 																				
Properties	<table border="1"> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>unbounded</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded														
content:	complex																				
minOccurs:	0																				
maxOccurs:	unbounded																				
Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation*																				
Children	AdditionalInformation, Copyright, Description, Revision, Version																				
Instance	<pre> <RefSemantic ChangeMode="state" CorrespondingAttributePath=""> <Description ChangeMode="state">{0,1}</Description> <Version ChangeMode="state">{0,1}</Version> <Revision ChangeMode="state">{0,unbounded}</Revision> <Copyright ChangeMode="state">{0,1}</Copyright> <AdditionalInformation>{0,unbounded}</AdditionalInformation> </RefSemantic> </pre>																				
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>ChangeMode</td><td>ChangeMode</td><td></td><td>state</td><td>optional</td></tr> <tr> <td></td><td colspan="4">Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.</td></tr> <tr> <td>CorrespondingAttributePath</td><td>xs:string</td><td></td><td></td><td>required</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	ChangeMode	ChangeMode		state	optional		Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.				CorrespondingAttributePath	xs:string			required
QName	Type	Fixed	Default	Use																	
ChangeMode	ChangeMode		state	optional																	
	Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.																				
CorrespondingAttributePath	xs:string			required																	

Source	<pre><xs:element name="RefSemantic" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>A reference to a definition of a defined attribute, e. g. to an attribute in a standardized library, this allows the semantic definition of the attribute.</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="CAEXBasicObject"> <xs:attribute name="CorrespondingAttributePath" type="xs:string" use="required"/> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/ CAEX_ClassModel_V2.15_16.05.2007.xsd

Element AttributeType / Constraint

Namespace	No namespace
Annotations	Element to restrict the range of validity of a defined attribute.

Diagram



Type	<code>AttributeValueRequirementType</code>						
Type hierarchy	<ul style="list-style-type: none"> • <code>CAEXBasicObject</code> <ul style="list-style-type: none"> • <code>AttributeValueRequirementType</code> 						
Properties	<table border="1"> <tbody> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </tbody> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						

Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation* , (OrdinalScaledType NominalScaledType UnknownType)								
Children	AdditionalInformation, Copyright, Description, NominalScaledType, OrdinalScaledType, Revision, UnknownType, Version								
Instance	<pre><Constraint ChangeMode="state" Name=""> <Description ChangeMode="state">{0,1}</Description> <Version ChangeMode="state">{0,1}</Version> <Revision ChangeMode="state">{0,unbounded}</Revision> <Copyright ChangeMode="state">{0,1}</Copyright> <AdditionalInformation>{0,unbounded}</AdditionalInformation> <OrdinalScaledType>{1,1}</OrdinalScaledType> <NominalScaledType>{1,1}</NominalScaledType> <UnknownType>{1,1}</UnknownType> </Constraint></pre>								
Attributes	QName ChangeMode	Type ChangeMode	Fixed 	Default state	Use optional				
		Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.							
	Name	xs:string			required				
		Describes the name of the constraint.							
Source	<pre><xs:element name="Constraint" type="AttributeValueRequirementType" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Element to restrict the range of validity of a defined attribute.</xs:documentation> </xs:annotation> </xs:element></pre>								
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd								

Element AttributeValueType / OrdinalScaledType

Namespace	No namespace
Annotations	Element of to define constraints of ordinal scaled attribute values.
Diagram	<p>The diagram illustrates the structure of the <code>OrdinalScaledType</code> element. It is represented by a rounded rectangle labeled <code>OrdinalScaledType</code>. Three associations originate from it, each represented by a line with a hollow circle at the end. The first association is labeled <code>RequiredMaxValue</code> with a note below stating "Element to define a maximum value of an attribute." The second association is labeled <code>RequiredValue</code> with a note below stating "Element to define a required value of an attribute." The third association is labeled <code>RequiredMinValue</code> with a note below stating "Element to define a minimum value of an attribute." All three notes include the text "Type xs:anyType".</p>
Properties	content: complex
Model	Required.MaxValue{0,1} , Required.Value{0,1} , Required.MinValue{0,1}
Children	Required.MaxValue, Required.MinValue, Required.Value
Instance	<pre><OrdinalScaledType> <RequiredMaxValue>{0,1}</RequiredMaxValue> <RequiredValue>{0,1}</RequiredValue> <RequiredMinValue>{0,1}</RequiredMinValue> </OrdinalScaledType></pre>
Source	<pre><xs:element name="OrdinalScaledType"> <xs:annotation> <xs:documentation>Element of to define constraints of ordinal scaled attribute values.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence minOccurs="0"> <xs:element name="RequiredMaxValue" type="xs:anyType" minOccurs="0"> <xs:annotation> <xs:documentation>Element to define a maximum value of an attribute.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>

	<pre> <xs:element name="RequiredValue" type="xs:anyType" minOccurs="0"> <xs:annotation> <xs:documentation>Element to define a required value of an attribute.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="RequiredMinValue" type="xs:anyType" minOccurs="0"> <xs:annotation> <xs:documentation>Element to define a minimum value of an attribute.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd

Element AttributeValueRequirementType / OrdinalScaledType / RequiredMaxValue

Namespace	No namespace
Annotations	Element to define a maximum value of an attribute.
Diagram	
Properties	minOccurs: 0
Source	<pre> <xs:element name="RequiredMaxValue" type="xs:anyType" minOccurs="0"> <xs:annotation> <xs:documentation>Element to define a maximum value of an attribute.</xs:documentation> </xs:annotation> </xs:element> </pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd

Element AttributeValueRequirementType / OrdinalScaledType / RequiredValue

Namespace	No namespace
Annotations	Element to define a required value of an attribute.
Diagram	
Properties	minOccurs: 0
Source	<pre> <xs:element name="RequiredValue" type="xs:anyType" minOccurs="0"> <xs:annotation> <xs:documentation>Element to define a required value of an attribute.</xs:documentation> </xs:annotation> </xs:element> </pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd

Element AttributeValueRequirementType / OrdinalScaledType / RequiredMinValue

Namespace	No namespace
-----------	--------------

Annotations	Element to define a minimum value of an attribute.
Diagram	<pre> classDiagram class xs:anyType { @ attributes <> ##any } class RequiredMinValue { Type xs:anyType } RequiredMinValue --> xs:anyType xs:anyType < -- RequiredMinValue xs:anyType < -- <> ##any </pre> <p>The diagram shows the xs:anyType element as the root of the type definition hierarchy. It has attributes and a reference to the RequiredMinValue element. The RequiredMinValue element is defined as xs:anyType and has a multiplicity of 0..∞. A note indicates it serves as the root of the type definition hierarchy.</p>
Properties	minOccurs: 0
Source	<pre> <xss:element name="RequiredMinValue" type="xs:anyType" minOccurs="0"> <xss:annotation> <xss:documentation>Element to define a minimum value of an attribute.</xss:documentation> </xss:annotation> </xss:element> </pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd

Element AttributeValueRequirementType / NominalScaledType

Namespace	No namespace
Annotations	Element of to define constraints of nominal scaled attribute values.
Diagram	<pre> classDiagram class NominalScaledType { <> ##any } class RequiredValue { Type xs:anyType } RequiredValue --> NominalScaledType NominalScaledType < -- RequiredValue NominalScaledType < -- <> ##any </pre> <p>The diagram shows the NominalScaledType element with a reference to the RequiredValue element. The RequiredValue element is defined as xs:anyType and has a multiplicity of 0..∞. A note indicates it defines a required value of an attribute.</p>
Properties	content: complex
Model	RequiredValue*
Children	RequiredValue
Instance	<pre> <NominalScaledType> <RequiredValue>{0,unbounded}</RequiredValue> </NominalScaledType> </pre>
Source	<pre> <xss:element name="NominalScaledType"> <xss:annotation> <xss:documentation>Element of to define constraints of nominal scaled attribute values.</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence minOccurs="0"> <xss:element name="RequiredValue" type="xs:anyType" minOccurs="0" maxOccurs="unbounded"> <xss:annotation> <xss:documentation>Element to define a required value of an attribute. It may be defined multiple times in order to define a discrete value range of the attribute.</xss:documentation> </xss:annotation> </xss:element> </xss:sequence> </xss:complexType> </xss:elements> </pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd

Element AttributeValueRequirementType / NominalScaledType / RequiredValue

Namespace	No namespace
Annotations	Element to define a required value of an attribute. It may be defined multiple times in order to define a discrete value range of the attribute.

Diagram	<p>The diagram illustrates the xs:anyType element. It is shown as a rounded rectangle with a purple header labeled 'xs:anyType'. Inside, there is a section for 'attributes' containing a yellow box with '##any'. Below this is a multiplicity '0..∞' followed by another yellow box with '##any'. A callout box provides a detailed description: 'Element to define a required value of an attribute. It may be defined multiple times in order to define a discrete...' and 'Serves as the root of the type definition hierarchy for any schema. It has the unique characteristic that it can...'. A legend indicates that a blue box with a minus sign means 'Type xs:anyType'.</p>				
Properties	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">minOccurs:</td><td style="width: 85%;">0</td></tr> <tr> <td>maxOccurs:</td><td>unbounded</td></tr> </table>	minOccurs:	0	maxOccurs:	unbounded
minOccurs:	0				
maxOccurs:	unbounded				
Source	<pre><xs:element name="RequiredValue" type="xs:anyType" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Element to define a required value of an attribute. It may be defined multiple times in order to define a discrete value range of the attribute.</xs:documentation> </xs:annotation> </xs:element></pre>				
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd				

Element AttributeValueRequirementType / UnknownType

Namespace	No namespace
Annotations	Element to define constraints for attribute values of an unknown scale type.
Diagram	<p>The diagram shows the UnknownType element connected to the Requirements element via a sequence of annotations. Annotations are represented by small circles with arrows pointing from one to the next. A callout box for UnknownType states: 'Element to define constraints for attribute values of an unknown scale type.' A callout box for Requirements states: 'Defines informative requirements as a constraint for an attribute value.'</p>
Properties	content: complex
Model	Requirements
Children	Requirements
Instance	<pre><UnknownType> <Requirements>{1,1}</Requirements> </UnknownType></pre>
Source	<pre><xs:element name="UnknownType"> <xs:annotation> <xs:documentation>Element to define constraints for attribute values of an unknown scale type.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence minOccurs="0"> <xs:element name="Requirements" type="xs:string"> <xs:annotation> <xs:documentation>Defines informative requirements as a constraint for an attribute value.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd

Element AttributeValueRequirementType / UnknownType / Requirements

Namespace	No namespace
Annotations	Defines informative requirements as a constraint for an attribute value.

Diagram	 <p>Defines informative requirements as a constraint for an attribute value.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	xs:string
Properties	content: simple
Source	<pre><xs:element name="Requirements" type="xs:string"> <xs:annotation> <xs:documentation>Defines informative requirements as a constraint for an attribute value.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd

Element AttributeType / Attribute

Namespace	No namespace
Annotations	Element that allows the description of nested attributes.

Diagram

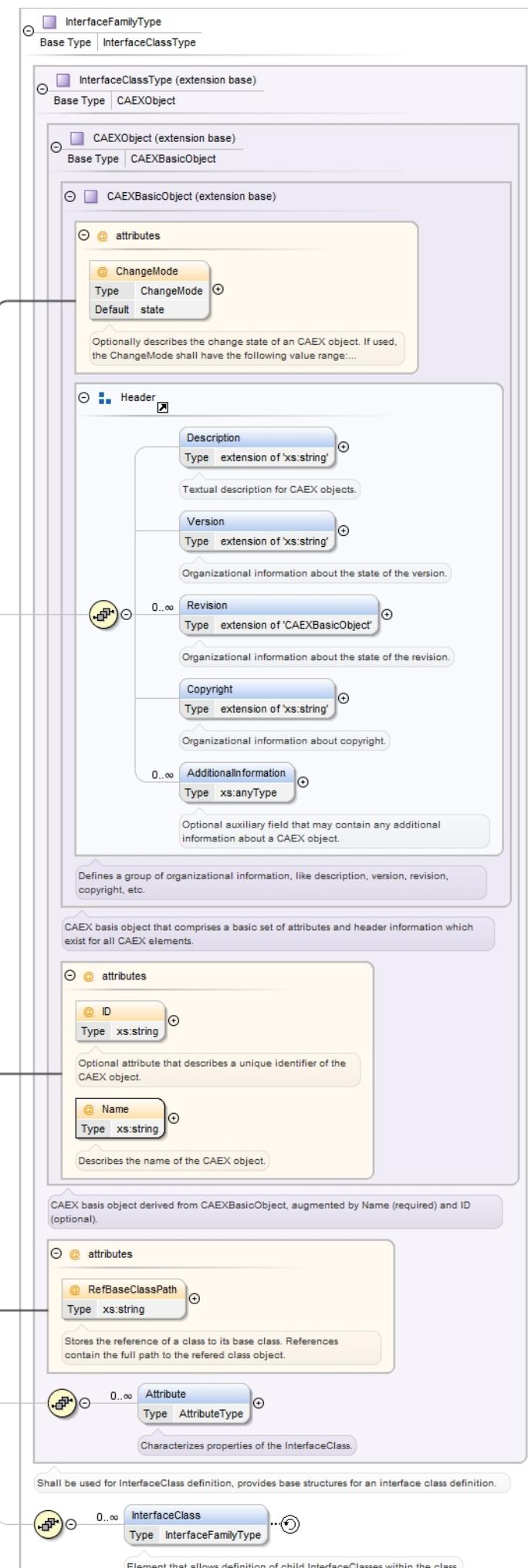


Type	AttributeType																																																											
Type hierarchy	<ul style="list-style-type: none"> • CAEXBasicObject <ul style="list-style-type: none"> • CAEXObject • AttributeType 																																																											
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td> <td style="padding: 2px;">complex</td> </tr> <tr> <td style="padding: 2px;">minOccurs:</td> <td style="padding: 2px;">0</td> </tr> <tr> <td style="padding: 2px;">maxOccurs:</td> <td style="padding: 2px;">unbounded</td> </tr> </table>					content:	complex	minOccurs:	0	maxOccurs:	unbounded																																																	
content:	complex																																																											
minOccurs:	0																																																											
maxOccurs:	unbounded																																																											
Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation* , DefaultValue{0,1} , Value{0,1} , RefSemantic* , Constraint* , Attribute*																																																											
Children	AdditionalInformation, Attribute, Constraint, Copyright, DefaultValue, Description, RefSemantic, Revision, Value, Version																																																											
Instance	<pre style="font-family: monospace; font-size: small; margin: 0;"> <Attribute AttributeDataType="" ChangeMode="state" ID="" Name="" Unit=""> <Description ChangeMode="state">{0,1}</Description> <Version ChangeMode="state">{0,1}</Version> <Revision ChangeMode="state">{0,unbounded}</Revision> <Copyright ChangeMode="state">{0,1}</Copyright> <AdditionalInformation>{0,unbounded}</AdditionalInformation> <DefaultValue>{0,1}</DefaultValue> <Value>{0,1}</Value> <RefSemantic ChangeMode="state" CorrespondingAttributePath="">{0,unbounded}</RefSemantic> <Constraint ChangeMode="state" Name="">{0,unbounded}</Constraint> <Attribute AttributeDataType="" ChangeMode="state" ID="" Name="" Unit="">{0,unbounded}</Attribute> </Attribute> </pre>																																																											
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%; padding: 2px;">QName</td> <td style="width: 25%; padding: 2px;">Type</td> <td style="width: 15%; padding: 2px;">Fixed</td> <td style="width: 15%; padding: 2px;">Default</td> <td style="width: 10%; padding: 2px;">Use</td> </tr> <tr> <td style="padding: 2px;">AttributeDataType</td><td style="padding: 2px;">xs:string</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td></td><td colspan="4" style="padding: 2px;">Describes the data type of the attribute using XML notation.</td></tr> <tr> <td style="padding: 2px;">ChangeMode</td><td style="padding: 2px;">ChangeMode</td><td style="padding: 2px;"></td><td style="padding: 2px;">state</td><td style="padding: 2px;">optional</td></tr> <tr> <td></td><td colspan="4" style="padding: 2px;">Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.</td></tr> <tr> <td style="padding: 2px;">ID</td><td style="padding: 2px;">xs:string</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td></td><td colspan="4" style="padding: 2px;">Optional attribute that describes a unique identifier of the CAEX object.</td></tr> <tr> <td style="padding: 2px;">Name</td><td style="padding: 2px;">xs:string</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">required</td></tr> <tr> <td></td><td colspan="4" style="padding: 2px;">Describes the name of the CAEX object.</td></tr> <tr> <td style="padding: 2px;">Unit</td><td style="padding: 2px;">xs:string</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td></td><td colspan="4" style="padding: 2px;">Describes the unit of the attribute.</td></tr> </table>					QName	Type	Fixed	Default	Use	AttributeDataType	xs:string			optional		Describes the data type of the attribute using XML notation.				ChangeMode	ChangeMode		state	optional		Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.				ID	xs:string			optional		Optional attribute that describes a unique identifier of the CAEX object.				Name	xs:string			required		Describes the name of the CAEX object.				Unit	xs:string			optional		Describes the unit of the attribute.			
QName	Type	Fixed	Default	Use																																																								
AttributeDataType	xs:string			optional																																																								
	Describes the data type of the attribute using XML notation.																																																											
ChangeMode	ChangeMode		state	optional																																																								
	Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.																																																											
ID	xs:string			optional																																																								
	Optional attribute that describes a unique identifier of the CAEX object.																																																											
Name	xs:string			required																																																								
	Describes the name of the CAEX object.																																																											
Unit	xs:string			optional																																																								
	Describes the unit of the attribute.																																																											
Source	<pre style="font-family: monospace; font-size: small; margin: 0;"> <xss:element name="Attribute" type="AttributeType" minOccurs="0" maxOccurs="unbounded"> <xss:annotation> <xss:documentation>Element that allows the description of nested attributes.</xss:documentation> </xss:annotation> </xss:element> </pre>																																																											
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd																																																											

Element InterfaceFamilyType / InterfaceClass

Namespace	No namespace
Annotations	Element that allows definition of child InterfaceClasses within the class hierarchy. The parent child relation between two InterfaceClasses has no semantic.

Diagram



Type	InterfaceFamilyType																																																	
Type hierarchy	<ul style="list-style-type: none"> • CAEXBasicObject • CAEXObject • InterfaceClassType • InterfaceFamilyType 																																																	
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td> <td style="padding: 2px;">complex</td> </tr> <tr> <td style="padding: 2px;">minOccurs:</td> <td style="padding: 2px;">0</td> </tr> <tr> <td style="padding: 2px;">maxOccurs:</td> <td style="padding: 2px;">unbounded</td> </tr> </table>					content:	complex	minOccurs:	0	maxOccurs:	unbounded																																							
content:	complex																																																	
minOccurs:	0																																																	
maxOccurs:	unbounded																																																	
Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation* , Attribute* , InterfaceClass*																																																	
Children	AdditionalInformation, Attribute, Copyright, Description, InterfaceClass, Revision, Version																																																	
Instance	<pre style="font-family: monospace; font-size: small; margin: 0;"> <InterfaceClass ChangeMode="state" ID="" Name="" RefBaseClassPath=""> <Description ChangeMode="state">{0,1}</Description> <Version ChangeMode="state">{0,1}</Version> <Revision ChangeMode="state">{0,unbounded}</Revision> <Copyright ChangeMode="state">{0,1}</Copyright> <AdditionalInformation>{0,unbounded}</AdditionalInformation> <Attribute AttributeDataType="" ChangeMode="state" ID="" Name="" Unit="">{0,unbounded}</Attribute> <InterfaceClass ChangeMode="state" ID="" Name="" RefBaseClassPath="">{0,unbounded}</InterfaceClass> </InterfaceClass> </pre>																																																	
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%; padding: 2px;">QName</td> <td style="width: 25%; padding: 2px;">Type</td> <td style="width: 15%; padding: 2px;">Fixed</td> <td style="width: 15%; padding: 2px;">Default</td> <td style="width: 10%; padding: 2px;">Use</td> </tr> <tr> <td>ChangeMode</td><td>ChangeMode</td><td></td><td>state</td><td>optional</td></tr> <tr> <td></td><td colspan="4">Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.</td></tr> <tr> <td>ID</td><td>xs:string</td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="4">Optional attribute that describes a unique identifier of the CAEX object.</td></tr> <tr> <td>Name</td><td>xs:string</td><td></td><td></td><td>required</td></tr> <tr> <td></td><td colspan="4">Describes the name of the CAEX object.</td></tr> <tr> <td>RefBaseClassPath</td><td>xs:string</td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="4">Stores the reference of a class to its base class. References contain the full path to the referred class object.</td></tr> </table>					QName	Type	Fixed	Default	Use	ChangeMode	ChangeMode		state	optional		Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.				ID	xs:string			optional		Optional attribute that describes a unique identifier of the CAEX object.				Name	xs:string			required		Describes the name of the CAEX object.				RefBaseClassPath	xs:string			optional		Stores the reference of a class to its base class. References contain the full path to the referred class object.			
QName	Type	Fixed	Default	Use																																														
ChangeMode	ChangeMode		state	optional																																														
	Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.																																																	
ID	xs:string			optional																																														
	Optional attribute that describes a unique identifier of the CAEX object.																																																	
Name	xs:string			required																																														
	Describes the name of the CAEX object.																																																	
RefBaseClassPath	xs:string			optional																																														
	Stores the reference of a class to its base class. References contain the full path to the referred class object.																																																	
Source	<pre style="font-family: monospace; font-size: small; margin: 0;"> <xs:element name="InterfaceClass" type="InterfaceFamilyType" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Element that allows definition of child InterfaceClasses within the class hierarchy. The parent child relation between two InterfaceClasses has no semantic.</xs:documentation> </xs:annotation> </xs:element> </pre>																																																	
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd																																																	

Element RoleClassType / Attribute

Namespace	No namespace
Annotations	Characterizes properties of the RoleClass.

Diagram

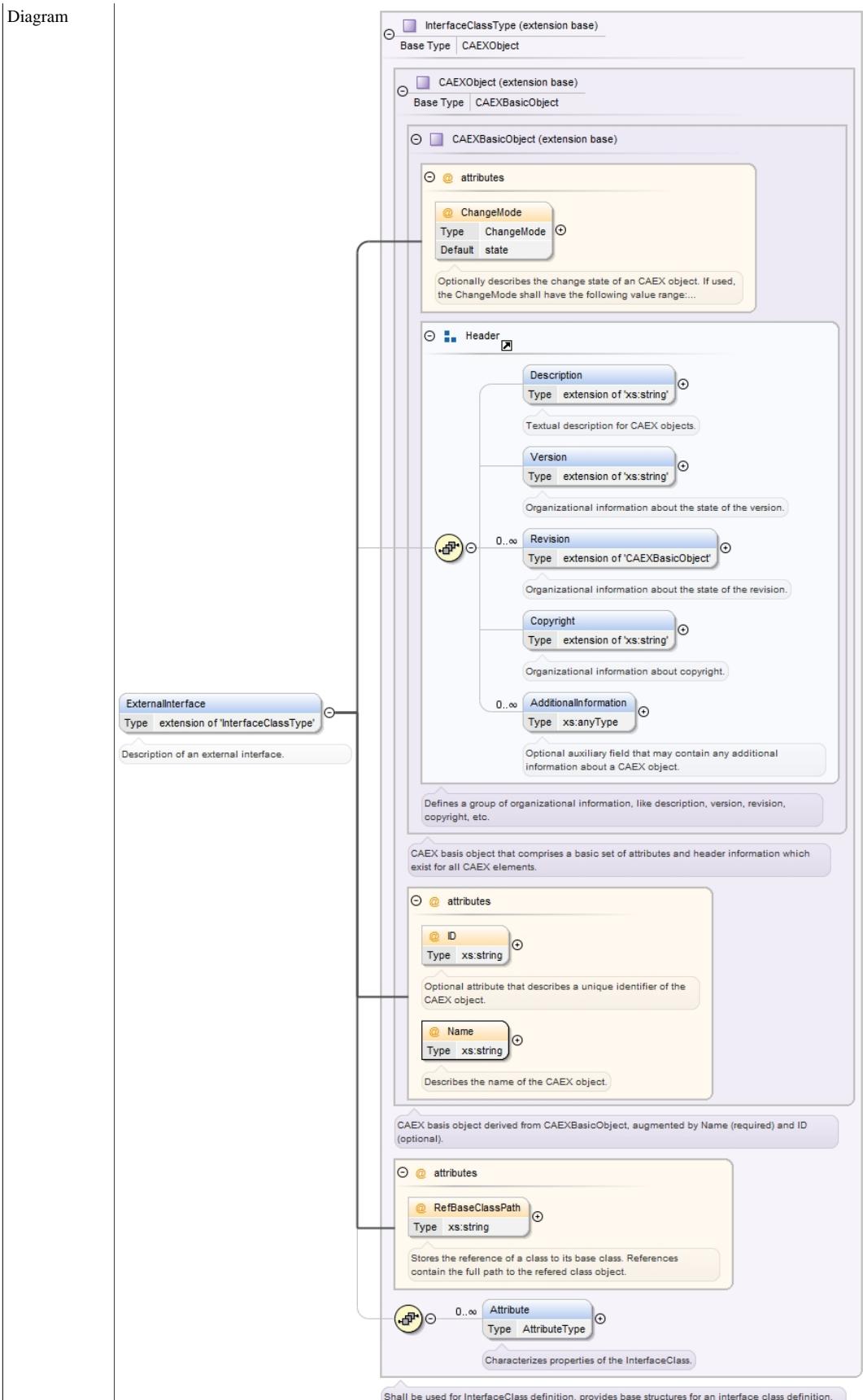


Type	AttributeType																																																											
Type hierarchy	<ul style="list-style-type: none"> • CAEXBasicObject <ul style="list-style-type: none"> • CAEXObject • AttributeType 																																																											
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td> <td style="padding: 2px;">complex</td> </tr> <tr> <td style="padding: 2px;">minOccurs:</td> <td style="padding: 2px;">0</td> </tr> <tr> <td style="padding: 2px;">maxOccurs:</td> <td style="padding: 2px;">unbounded</td> </tr> </table>					content:	complex	minOccurs:	0	maxOccurs:	unbounded																																																	
content:	complex																																																											
minOccurs:	0																																																											
maxOccurs:	unbounded																																																											
Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation* , DefaultValue{0,1} , Value{0,1} , RefSemantic* , Constraint* , Attribute*																																																											
Children	AdditionalInformation, Attribute, Constraint, Copyright, DefaultValue, Description, RefSemantic, Revision, Value, Version																																																											
Instance	<pre style="font-family: monospace; font-size: small; color: blue; margin: 0; padding: 0;"> <Attribute AttributeDataType="" ChangeMode="state" ID="" Name="" Unit=""> <Description ChangeMode="state">{0,1}</Description> <Version ChangeMode="state">{0,1}</Version> <Revision ChangeMode="state">{0,unbounded}</Revision> <Copyright ChangeMode="state">{0,1}</Copyright> <AdditionalInformation>{0,unbounded}</AdditionalInformation> <DefaultValue>{0,1}</DefaultValue> <Value>{0,1}</Value> <RefSemantic ChangeMode="state" CorrespondingAttributePath="">{0,unbounded}</RefSemantic> <Constraint ChangeMode="state" Name="">{0,unbounded}</Constraint> <Attribute AttributeDataType="" ChangeMode="state" ID="" Name="" Unit="">{0,unbounded}</Attribute> </Attribute> </pre>																																																											
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%; padding: 2px;">QName</td> <td style="width: 25%; padding: 2px;">Type</td> <td style="width: 15%; padding: 2px;">Fixed</td> <td style="width: 15%; padding: 2px;">Default</td> <td style="width: 10%; padding: 2px;">Use</td> </tr> <tr> <td style="padding: 2px;">AttributeDataType</td><td style="padding: 2px;">xs:string</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td></td><td colspan="4" style="padding: 2px;">Describes the data type of the attribute using XML notation.</td></tr> <tr> <td style="padding: 2px;">ChangeMode</td><td style="padding: 2px;">ChangeMode</td><td style="padding: 2px;"></td><td style="padding: 2px;">state</td><td style="padding: 2px;">optional</td></tr> <tr> <td></td><td colspan="4" style="padding: 2px;">Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.</td></tr> <tr> <td style="padding: 2px;">ID</td><td style="padding: 2px;">xs:string</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td></td><td colspan="4" style="padding: 2px;">Optional attribute that describes a unique identifier of the CAEX object.</td></tr> <tr> <td style="padding: 2px;">Name</td><td style="padding: 2px;">xs:string</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">required</td></tr> <tr> <td></td><td colspan="4" style="padding: 2px;">Describes the name of the CAEX object.</td></tr> <tr> <td style="padding: 2px;">Unit</td><td style="padding: 2px;">xs:string</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td></td><td colspan="4" style="padding: 2px;">Describes the unit of the attribute.</td></tr> </table>					QName	Type	Fixed	Default	Use	AttributeDataType	xs:string			optional		Describes the data type of the attribute using XML notation.				ChangeMode	ChangeMode		state	optional		Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.				ID	xs:string			optional		Optional attribute that describes a unique identifier of the CAEX object.				Name	xs:string			required		Describes the name of the CAEX object.				Unit	xs:string			optional		Describes the unit of the attribute.			
QName	Type	Fixed	Default	Use																																																								
AttributeDataType	xs:string			optional																																																								
	Describes the data type of the attribute using XML notation.																																																											
ChangeMode	ChangeMode		state	optional																																																								
	Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.																																																											
ID	xs:string			optional																																																								
	Optional attribute that describes a unique identifier of the CAEX object.																																																											
Name	xs:string			required																																																								
	Describes the name of the CAEX object.																																																											
Unit	xs:string			optional																																																								
	Describes the unit of the attribute.																																																											
Source	<pre style="font-family: monospace; font-size: small; color: blue; margin: 0; padding: 0;"> <xss:element name="Attribute" type="AttributeType" minOccurs="0" maxOccurs="unbounded"> <xss:annotation> <xss:documentation>Characterizes properties of the RoleClass.</xss:documentation> </xss:annotation> </xss:element> </pre>																																																											
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd																																																											

Element **RoleClassType / ExternalInterface**

Namespace	No namespace
Annotations	Description of an external interface.

Diagram



Type	extension of InterfaceClassType
------	---------------------------------

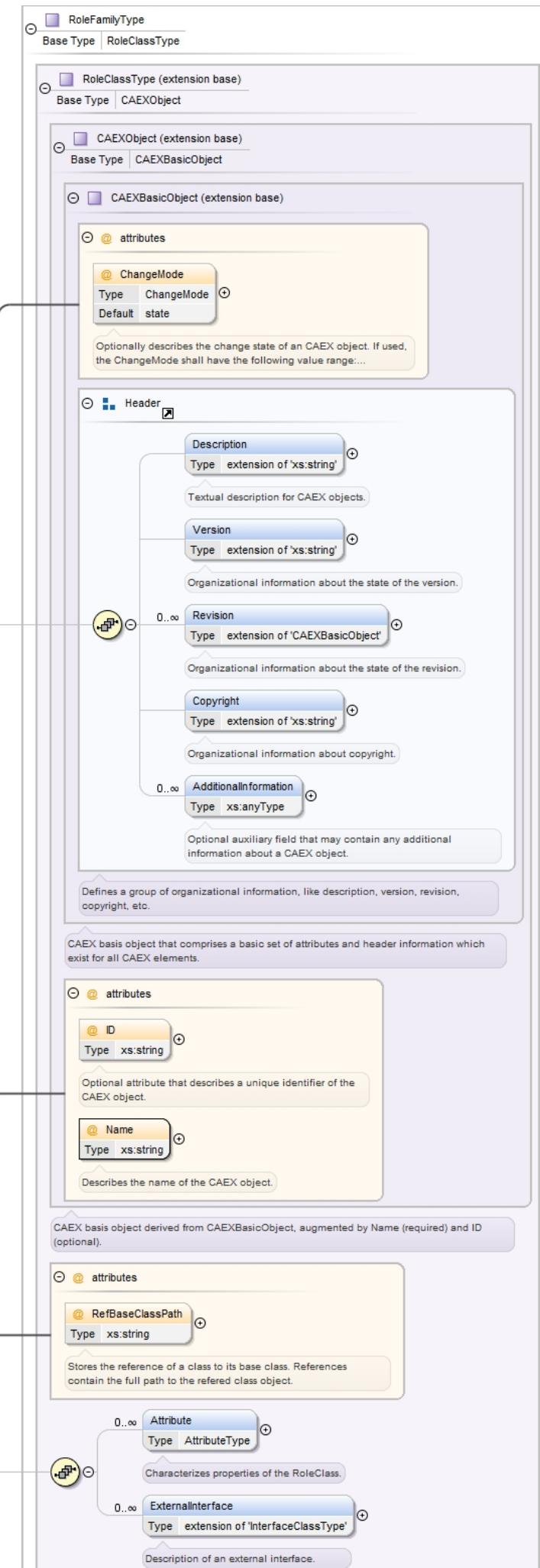
Type hierarchy	<ul style="list-style-type: none"> • CAEXBasicObject • CAEXObject
----------------	---

	<ul style="list-style-type: none"> • InterfaceClassType 																																													
Properties	content: complex minOccurs: 0 maxOccurs: unbounded																																													
Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation* , Attribute*																																													
Children	AdditionalInformation, Attribute, Copyright, Description, Revision, Version																																													
Instance	<pre><ExternalInterface ChangeMode="state" ID="" Name="" RefBaseClassPath=""> <Description ChangeMode="state">{0,1}</Description> <Version ChangeMode="state">{0,1}</Version> <Revision ChangeMode="state">{0,unbounded}</Revision> <Copyright ChangeMode="state">{0,1}</Copyright> <AdditionalInformation>{0,unbounded}</AdditionalInformation> <Attribute AttributeDataType="" ChangeMode="state" ID="" Name="" Unit="">{0,unbounded}</Attribute> </ExternalInterface></pre>																																													
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>ChangeMode</td> <td>ChangeMode</td> <td></td> <td>state</td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td colspan="3">Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.</td></tr> <tr> <td>ID</td> <td>xs:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td colspan="3">Optional attribute that describes a unique identifier of the CAEX object.</td></tr> <tr> <td>Name</td> <td>xs:string</td> <td></td> <td></td> <td>required</td> </tr> <tr> <td></td> <td></td> <td colspan="3">Describes the name of the CAEX object.</td></tr> <tr> <td>RefBaseClassPath</td> <td>xs:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td colspan="3">Stores the reference of a class to its base class. References contain the full path to the referred class object.</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	ChangeMode	ChangeMode		state	optional			Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.			ID	xs:string			optional			Optional attribute that describes a unique identifier of the CAEX object.			Name	xs:string			required			Describes the name of the CAEX object.			RefBaseClassPath	xs:string			optional			Stores the reference of a class to its base class. References contain the full path to the referred class object.		
QName	Type	Fixed	Default	Use																																										
ChangeMode	ChangeMode		state	optional																																										
		Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.																																												
ID	xs:string			optional																																										
		Optional attribute that describes a unique identifier of the CAEX object.																																												
Name	xs:string			required																																										
		Describes the name of the CAEX object.																																												
RefBaseClassPath	xs:string			optional																																										
		Stores the reference of a class to its base class. References contain the full path to the referred class object.																																												
Source	<pre><xs:element name="ExternalInterface" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Description of an external interface.</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="InterfaceClassType" /> </xs:complexContent> </xs:complexType> </xs:element></pre>																																													
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd																																													

Element **RoleFamilyType** / **RoleClass**

Namespace	No namespace
Annotations	Element that allows definition of child RoleClasses within the class hierarchy. The parent child relation between two RoleClasses has no semantic.

Diagram



Type	RoleFamilyType																																																	
Type hierarchy	<ul style="list-style-type: none"> • CAEXBasicObject • CAEXObject • RoleClassType • RoleFamilyType 																																																	
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>																																																	
Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation* , Attribute* , ExternalInterface* , RoleClass*																																																	
Children	AdditionalInformation, Attribute, Copyright, Description, ExternalInterface, Revision, RoleClass, Version																																																	
Instance	<pre><RoleClass ChangeMode="state" ID="" Name="" RefBaseClassPath=""> <Description ChangeMode="state">{0,1}</Description> <Version ChangeMode="state">{0,1}</Version> <Revision ChangeMode="state">{0,unbounded}</Revision> <Copyright ChangeMode="state">{0,1}</Copyright> <AdditionalInformation>{0,unbounded}</AdditionalInformation> <Attribute AttributeDataType="" ChangeMode="state" ID="" Name="" Unit="">{0,unbounded}</Attribute> <ExternalInterface ChangeMode="state" ID="" Name="" RefBaseClassPath="">{0,unbounded}</ExternalInterface> <RoleClass ChangeMode="state" ID="" Name="" RefBaseClassPath="">{0,unbounded}</RoleClass> </RoleClass></pre>																																																	
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>ChangeMode</td> <td>ChangeMode</td> <td></td> <td>state</td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.</td></tr> <tr> <td>ID</td> <td>xs:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Optional attribute that describes a unique identifier of the CAEX object.</td></tr> <tr> <td>Name</td> <td>xs:string</td> <td></td> <td></td> <td>required</td> </tr> <tr> <td></td> <td colspan="4">Describes the name of the CAEX object.</td></tr> <tr> <td>RefBaseClassPath</td> <td>xs:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Stores the reference of a class to its base class. References contain the full path to the referred class object.</td></tr> </tbody> </table>					QName	Type	Fixed	Default	Use	ChangeMode	ChangeMode		state	optional		Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.				ID	xs:string			optional		Optional attribute that describes a unique identifier of the CAEX object.				Name	xs:string			required		Describes the name of the CAEX object.				RefBaseClassPath	xs:string			optional		Stores the reference of a class to its base class. References contain the full path to the referred class object.			
QName	Type	Fixed	Default	Use																																														
ChangeMode	ChangeMode		state	optional																																														
	Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.																																																	
ID	xs:string			optional																																														
	Optional attribute that describes a unique identifier of the CAEX object.																																																	
Name	xs:string			required																																														
	Describes the name of the CAEX object.																																																	
RefBaseClassPath	xs:string			optional																																														
	Stores the reference of a class to its base class. References contain the full path to the referred class object.																																																	
Source	<pre><x:element name="RoleClass" type="RoleFamilyType" minOccurs="0" maxOccurs="unbounded"> <x:annotation> <x:documentation>Element that allows definition of child RoleClasses within the class hierarchy. The parent child relation between two RoleClasses has no semantic.</x:documentation> </x:annotation> </x:element></pre>																																																	
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd																																																	

Element SystemUnitClassType / Attribute

Namespace	No namespace
Annotations	Characterizes properties of the SystemUnitClass.

Diagram

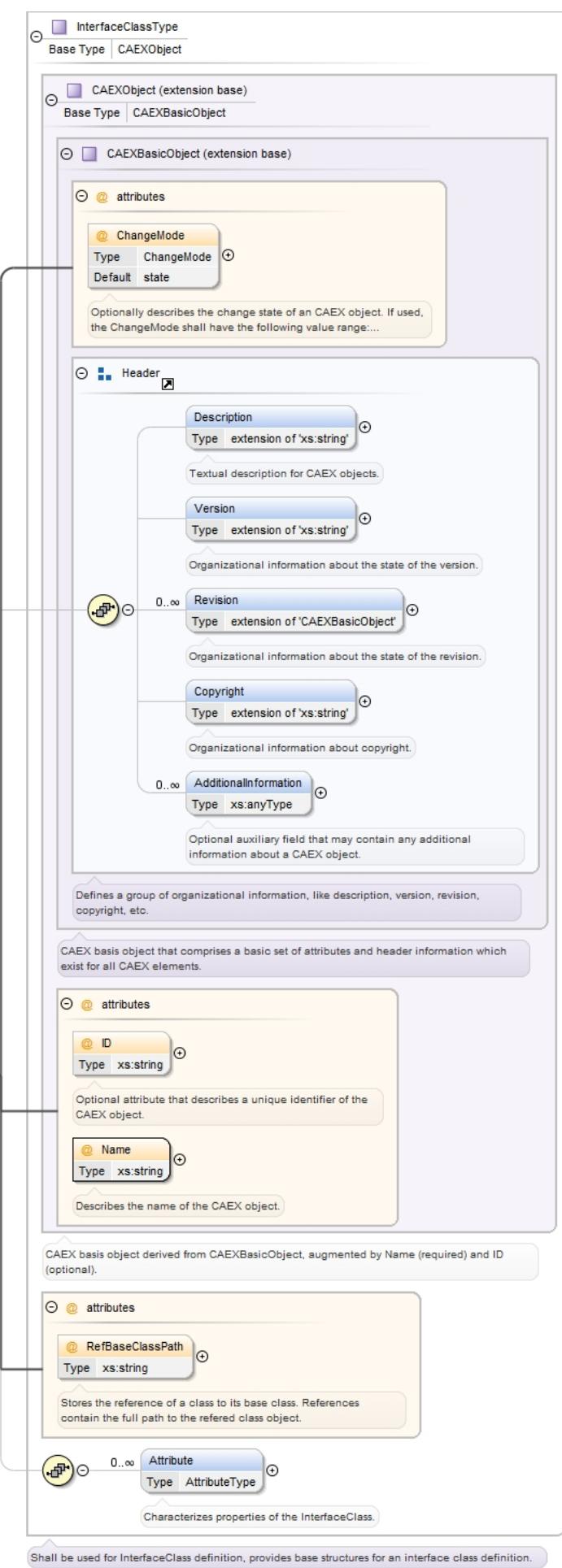


Type	AttributeType																																																											
Type hierarchy	<ul style="list-style-type: none"> • CAEXBasicObject <ul style="list-style-type: none"> • CAEXObject • AttributeType 																																																											
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td> <td style="padding: 2px;">complex</td> </tr> <tr> <td style="padding: 2px;">minOccurs:</td> <td style="padding: 2px;">0</td> </tr> <tr> <td style="padding: 2px;">maxOccurs:</td> <td style="padding: 2px;">unbounded</td> </tr> </table>					content:	complex	minOccurs:	0	maxOccurs:	unbounded																																																	
content:	complex																																																											
minOccurs:	0																																																											
maxOccurs:	unbounded																																																											
Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation* , DefaultValue{0,1} , Value{0,1} , RefSemantic* , Constraint* , Attribute*																																																											
Children	AdditionalInformation, Attribute, Constraint, Copyright, DefaultValue, Description, RefSemantic, Revision, Value, Version																																																											
Instance	<pre style="font-family: monospace; font-size: small; color: #0000ff; margin: 0; padding: 0;"><code><Attribute AttributeDataType="" ChangeMode="state" ID="" Name="" Unit=""> <Description ChangeMode="state">{0,1}</Description> <Version ChangeMode="state">{0,1}</Version> <Revision ChangeMode="state">{0,unbounded}</Revision> <Copyright ChangeMode="state">{0,1}</Copyright> <AdditionalInformation>{0,unbounded}</AdditionalInformation> <DefaultValue>{0,1}</DefaultValue> <Value>{0,1}</Value> <RefSemantic ChangeMode="state" CorrespondingAttributePath="">{0,unbounded}</RefSemantic> <Constraint ChangeMode="state" Name="">{0,unbounded}</Constraint> <Attribute AttributeDataType="" ChangeMode="state" ID="" Name="" Unit="">{0,unbounded}</Attribute> </Attribute></code></pre>																																																											
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%; padding: 2px;">QName</td> <td style="width: 25%; padding: 2px;">Type</td> <td style="width: 15%; padding: 2px;">Fixed</td> <td style="width: 15%; padding: 2px;">Default</td> <td style="width: 10%; padding: 2px;">Use</td> </tr> <tr> <td style="padding: 2px;">AttributeDataType</td><td style="padding: 2px;">xs:string</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td></td><td colspan="4" style="padding: 2px;">Describes the data type of the attribute using XML notation.</td></tr> <tr> <td style="padding: 2px;">ChangeMode</td><td style="padding: 2px;">ChangeMode</td><td style="padding: 2px;"></td><td style="padding: 2px;">state</td><td style="padding: 2px;">optional</td></tr> <tr> <td></td><td colspan="4" style="padding: 2px;">Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.</td></tr> <tr> <td style="padding: 2px;">ID</td><td style="padding: 2px;">xs:string</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td></td><td colspan="4" style="padding: 2px;">Optional attribute that describes a unique identifier of the CAEX object.</td></tr> <tr> <td style="padding: 2px;">Name</td><td style="padding: 2px;">xs:string</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">required</td></tr> <tr> <td></td><td colspan="4" style="padding: 2px;">Describes the name of the CAEX object.</td></tr> <tr> <td style="padding: 2px;">Unit</td><td style="padding: 2px;">xs:string</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td></td><td colspan="4" style="padding: 2px;">Describes the unit of the attribute.</td></tr> </table>					QName	Type	Fixed	Default	Use	AttributeDataType	xs:string			optional		Describes the data type of the attribute using XML notation.				ChangeMode	ChangeMode		state	optional		Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.				ID	xs:string			optional		Optional attribute that describes a unique identifier of the CAEX object.				Name	xs:string			required		Describes the name of the CAEX object.				Unit	xs:string			optional		Describes the unit of the attribute.			
QName	Type	Fixed	Default	Use																																																								
AttributeDataType	xs:string			optional																																																								
	Describes the data type of the attribute using XML notation.																																																											
ChangeMode	ChangeMode		state	optional																																																								
	Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.																																																											
ID	xs:string			optional																																																								
	Optional attribute that describes a unique identifier of the CAEX object.																																																											
Name	xs:string			required																																																								
	Describes the name of the CAEX object.																																																											
Unit	xs:string			optional																																																								
	Describes the unit of the attribute.																																																											
Source	<pre style="font-family: monospace; font-size: small; color: #0000ff; margin: 0; padding: 0;"><code><xss:element name="Attribute" type="AttributeType" minOccurs="0" maxOccurs="unbounded"> <xss:annotation> <xss:documentation>Characterizes properties of the SystemUnitClass.</xss:documentation> </xss:annotation> </xss:element></code></pre>																																																											
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd																																																											

Element SystemUnitClassType / ExternalInterface

Namespace	No namespace
Annotations	Description of an external interface.

Diagram



Type	InterfaceClassType																																																	
Type hierarchy	<ul style="list-style-type: none"> • CAEXBasicObject • CAEXObject • InterfaceClassType 																																																	
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td> <td style="padding: 2px;">complex</td> </tr> <tr> <td style="padding: 2px;">minOccurs:</td> <td style="padding: 2px;">0</td> </tr> <tr> <td style="padding: 2px;">maxOccurs:</td> <td style="padding: 2px;">unbounded</td> </tr> </table>					content:	complex	minOccurs:	0	maxOccurs:	unbounded																																							
content:	complex																																																	
minOccurs:	0																																																	
maxOccurs:	unbounded																																																	
Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation* , Attribute*																																																	
Children	AdditionalInformation, Attribute, Copyright, Description, Revision, Version																																																	
Instance	<pre style="font-family: monospace; font-size: small; margin: 0;"> <ExternalInterface ChangeMode="state" ID="" Name="" RefBaseClassPath=""> <Description ChangeMode="state">{0,1}</Description> <Version ChangeMode="state">{0,1}</Version> <Revision ChangeMode="state">{0,unbounded}</Revision> <Copyright ChangeMode="state">{0,1}</Copyright> <AdditionalInformation>{0,unbounded}</AdditionalInformation> <Attribute AttributeDataType="" ChangeMode="state" ID="" Name="" Unit="">{0,unbounded}</Attribute> </ExternalInterface> </pre>																																																	
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">QName</th> <th style="width: 25%;">Type</th> <th style="width: 15%;">Fixed</th> <th style="width: 15%;">Default</th> <th style="width: 15%;">Use</th> </tr> </thead> <tbody> <tr> <td>ChangeMode</td><td>ChangeMode</td><td></td><td>state</td><td>optional</td></tr> <tr> <td></td><td colspan="4">Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.</td></tr> <tr> <td>ID</td><td>xs:string</td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="4">Optional attribute that describes a unique identifier of the CAEX object.</td></tr> <tr> <td>Name</td><td>xs:string</td><td></td><td></td><td>required</td></tr> <tr> <td></td><td colspan="4">Describes the name of the CAEX object.</td></tr> <tr> <td>RefBaseClassPath</td><td>xs:string</td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="4">Stores the reference of a class to its base class. References contain the full path to the referred class object.</td></tr> </tbody> </table>					QName	Type	Fixed	Default	Use	ChangeMode	ChangeMode		state	optional		Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.				ID	xs:string			optional		Optional attribute that describes a unique identifier of the CAEX object.				Name	xs:string			required		Describes the name of the CAEX object.				RefBaseClassPath	xs:string			optional		Stores the reference of a class to its base class. References contain the full path to the referred class object.			
QName	Type	Fixed	Default	Use																																														
ChangeMode	ChangeMode		state	optional																																														
	Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.																																																	
ID	xs:string			optional																																														
	Optional attribute that describes a unique identifier of the CAEX object.																																																	
Name	xs:string			required																																														
	Describes the name of the CAEX object.																																																	
RefBaseClassPath	xs:string			optional																																														
	Stores the reference of a class to its base class. References contain the full path to the referred class object.																																																	
Source	<pre style="font-family: monospace; font-size: small; margin: 0;"> <xss:element name="ExternalInterface" type="InterfaceClassType" minOccurs="0" maxOccurs="unbounded"> <xss:annotation> <xss:documentation>Description of an external interface.</xss:documentation> </xss:annotation> </xss:element> </pre>																																																	
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd																																																	

Element SystemUnitClassType / InternalElement

Namespace	No namespace
Annotations	Shall be used in order to define nested objects inside of a SystemUnitClass or another InternalElement. Allows description of the internal structure of an CAEX object.

Diagram

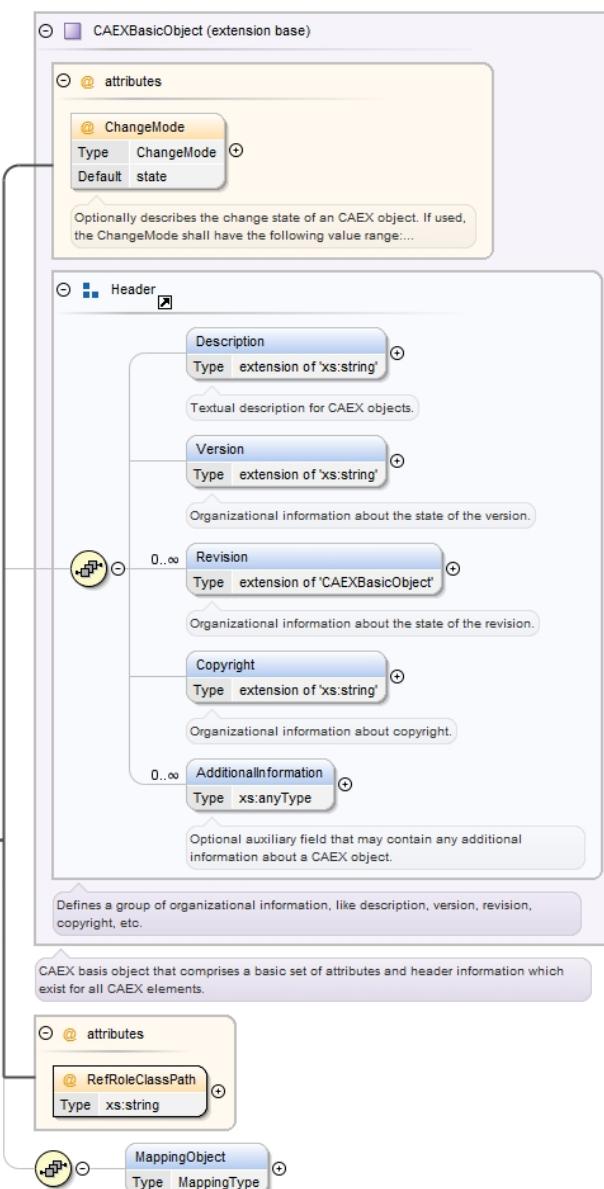


Type	InternalElementType																																																
Type hierarchy	<ul style="list-style-type: none"> • CAEXBasicObject • CAEXObject • SystemUnitClassType • InternalElementType 																																																
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td> <td style="padding: 2px;">complex</td> </tr> <tr> <td style="padding: 2px;">minOccurs:</td> <td style="padding: 2px;">0</td> </tr> <tr> <td style="padding: 2px;">maxOccurs:</td> <td style="padding: 2px;">unbounded</td> </tr> </table>					content:	complex	minOccurs:	0	maxOccurs:	unbounded																																						
content:	complex																																																
minOccurs:	0																																																
maxOccurs:	unbounded																																																
Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation* , Attribute* , ExternalInterface* , InternalElement* , SupportedRoleClass* , InternalLink* , RoleRequirements{0,1} , MappingObject{0,1}																																																
Children	AdditionalInformation, Attribute, Copyright, Description, ExternalInterface, InternalElement, InternalLink, MappingObject, Revision, RoleRequirements, SupportedRoleClass, Version																																																
Instance	<pre style="font-family: monospace; font-size: 0.8em; margin: 0; padding: 0;"><code><InternalElement ChangeMode="state" ID="" Name="" RefBaseSystemUnitPath=""> <Description ChangeMode="state">{0,1}</Description> <Version ChangeMode="state">{0,1}</Version> <Revision ChangeMode="state">{0,unbounded}</Revision> <Copyright ChangeMode="state">{0,1}</Copyright> <AdditionalInformation>{0,unbounded}</AdditionalInformation> <Attribute AttributeDataType="" ChangeMode="state" ID="" Name="" Unit="">{0,unbounded}</Attribute> <ExternalInterface ChangeMode="state" ID="" Name="" RefBaseClassPath="">{0,unbounded}</ExternalInterface> <InternalElement ChangeMode="state" ID="" Name="" RefBaseSystemUnitPath="">{0,unbounded}</InternalElement> <SupportedRoleClass ChangeMode="state" RefRoleClassPath="">{0,unbounded}</SupportedRoleClass> <InternalLink ChangeMode="state" ID="" Name="" RefPartnerSideA="" RefPartnerSideB="">{0,unbounded}</InternalLink> <RoleRequirements ChangeMode="state" RefBaseRoleClassPath="">{0,1}</RoleRequirements> <MappingObject ChangeMode="state">{0,1}</MappingObject> </InternalElement></code></pre>																																																
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">QName</th> <th style="width: 25%;">Type</th> <th style="width: 15%;">Fixed</th> <th style="width: 15%;">Default</th> <th style="width: 15%;">Use</th> </tr> </thead> <tbody> <tr> <td>ChangeMode</td> <td>ChangeMode</td> <td></td> <td>state</td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4" style="text-align: center;">Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.</td></tr> <tr> <td>ID</td> <td>xs:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4" style="text-align: center;">Optional attribute that describes a unique identifier of the CAEX object.</td></tr> <tr> <td>Name</td> <td>xs:string</td> <td></td> <td></td> <td>required</td> </tr> <tr> <td></td> <td colspan="4" style="text-align: center;">Describes the name of the CAEX object.</td></tr> <tr> <td>RefBaseSystemUnitPath</td> <td>xs:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4" style="text-align: center;">Stores the reference of an InternalElement to a class or instance definition. References contain the full path information.</td></tr> </tbody> </table>				QName	Type	Fixed	Default	Use	ChangeMode	ChangeMode		state	optional		Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.				ID	xs:string			optional		Optional attribute that describes a unique identifier of the CAEX object.				Name	xs:string			required		Describes the name of the CAEX object.				RefBaseSystemUnitPath	xs:string			optional		Stores the reference of an InternalElement to a class or instance definition. References contain the full path information.			
QName	Type	Fixed	Default	Use																																													
ChangeMode	ChangeMode		state	optional																																													
	Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.																																																
ID	xs:string			optional																																													
	Optional attribute that describes a unique identifier of the CAEX object.																																																
Name	xs:string			required																																													
	Describes the name of the CAEX object.																																																
RefBaseSystemUnitPath	xs:string			optional																																													
	Stores the reference of an InternalElement to a class or instance definition. References contain the full path information.																																																
Source	<pre style="font-family: monospace; font-size: 0.8em; margin: 0; padding: 0;"><code><xs:element name="InternalElement" type="InternalElementType" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Shall be used in order to define nested objects inside of a SystemUnitClass or another InternalElement. Allows description of the internal structure of an CAEX object.</xs:documentation> </xs:annotation> </xs:element></code></pre>																																																
Schema location	file:/C:/Ext_SS/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd																																																

Element SystemUnitClassType / SupportedRoleClass

Namespace	No namespace
Annotations	Allows the association to a RoleClass which this SystemUnitClass can play. A SystemUnitClass may reference multiple roles.

Diagram



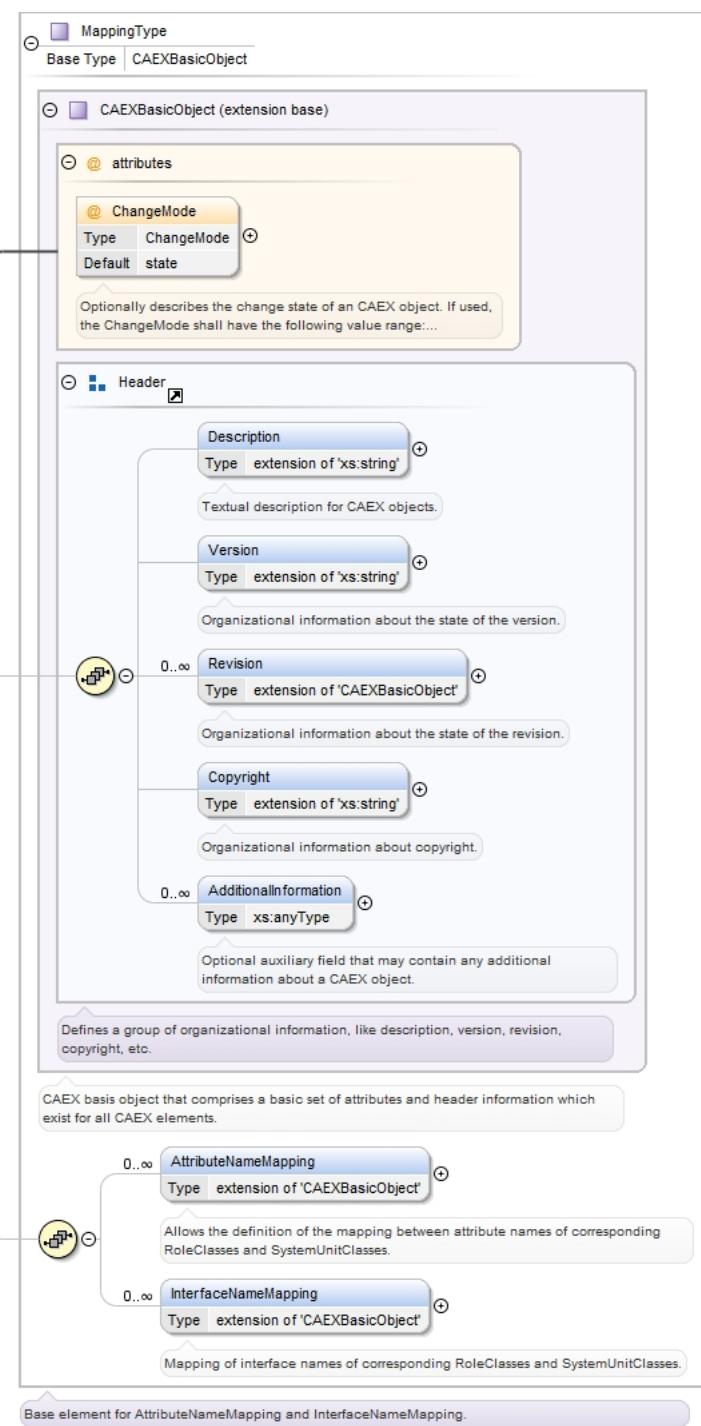
Type	extension of CAEXBasicObject															
Type hierarchy	<ul style="list-style-type: none"> • CAEXBasicObject 															
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">unbounded</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded									
content:	complex															
minOccurs:	0															
maxOccurs:	unbounded															
Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation* , MappingObject{0,1}															
Children	AdditionalInformation, Copyright, Description, MappingObject, Revision, Version															
Instance	<pre> <SupportedRoleClass ChangeMode="state" RefRoleClassPath=""> <Description ChangeMode="state">{0,1}</Description> <Version ChangeMode="state">{0,1}</Version> <Revision ChangeMode="state">{0,unbounded}</Revision> <Copyright ChangeMode="state">{0,1}</Copyright> <AdditionalInformation>{0,unbounded}</AdditionalInformation> <MappingObject ChangeMode="state">{0,1}</MappingObject> </SupportedRoleClass> </pre>															
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">QName</th><th style="width: 25%;">Type</th><th style="width: 15%;">Fixed</th><th style="width: 15%;">Default</th><th style="width: 15%;">Use</th></tr> </thead> <tbody> <tr> <td>ChangeMode</td><td>ChangeMode</td><td></td><td>state</td><td>optional</td></tr> <tr> <td></td><td></td><td colspan="3">Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create,</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	ChangeMode	ChangeMode		state	optional			Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create,		
QName	Type	Fixed	Default	Use												
ChangeMode	ChangeMode		state	optional												
		Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create,														

	QName	Type	Fixed	Default	Use
		delete and change. This information should be used for further change management applications.			
	RefRoleClassPath	xs:string			required
Source	<pre><x:element name="SupportedRoleClass" minOccurs="0" maxOccurs="unbounded"> <x:annotation> <x:documentation>Allows the association to a RoleClass which this SystemUnitClass can play. A SystemUnitClass may reference multiple roles.</x:documentation> </x:annotation> <x:complexType> <x:complexContent> <x:extension base="CAEXBasicObject"> <x:sequence minOccurs="0"> <x:element name="MappingObject" type="MappingType" minOccurs="0" /> </x:sequence> <x:attribute name="RefRoleClassPath" type="xs:string" use="required" /> </x:extension> </x:complexContent> </x:complexType> </x:element></pre>				
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd				

Element SystemUnitClassType / SupportedRoleClass / MappingObject

Namespace	No namespace
-----------	--------------

Diagram



Type	MappingType
Type hierarchy	<ul style="list-style-type: none"> • CAEXBasicObject • MappingType
Properties	content: complex minOccurs: 0
Model	<code>Description{0,1}</code> , <code>Version{0,1}</code> , <code>Revision*</code> , <code>Copyright{0,1}</code> , <code>AdditionalInformation*</code> , <code>AttributeNameMapping*</code> , <code>InterfaceNameMapping*</code>
Children	AdditionalInformation, AttributeNameMapping, Copyright, Description, InterfaceNameMapping, Revision, Version
Instance	<pre> <MappingObject ChangeMode="state"> <Description ChangeMode="state">{0,1}</Description> <Version ChangeMode="state">{0,1}</Version> <Revision ChangeMode="state">{0,unbounded}</Revision> </pre>

```

<Copyright ChangeMode="state">{0,1}</Copyright>
<AdditionalInformation>{0,unbounded}</AdditionalInformation>
<AttributeNameMapping ChangeMode="state" RoleAttributeName="" SystemUnitAttributeName="">{0,unbounded}</
AttributeNameMapping>
<InterfaceNameMapping ChangeMode="state" RoleInterfaceName="" SystemUnitInterfaceName="">{0,unbounded}</
InterfaceNameMapping>
</MappingObject>

```

Attributes	QName	Type	Fixed	Default	Use
	ChangeMode	ChangeMode		state	optional
	Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.				
Source	<xs:element name="MappingObject" type="MappingType" minOccurs="0" />				
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd				

Element MappingType / AttributeNameMapping

Namespace	No namespace
Annotations	Allows the definition of the mapping between attribute names of corresponding RoleClasses and SystemUnitClasses.
Diagram	<p>The diagram illustrates the inheritance structure of the CAEXBasicObject class. It shows the following components:</p> <ul style="list-style-type: none"> CAEXBasicObject (extension base): The base class for all CAEX elements. Header: A composite structure containing: <ul style="list-style-type: none"> Description: Type extension of xs:string. Version: Type extension of xs:string. Revision: Multiplicity 0..oo, Type extension of CAEXBasicObject. Copyright: Type extension of xs:string. AdditionalInformation: Multiplicity 0..oo, Type xs:anyType. AttributeNameMapping: Type extension of CAEXBasicObject. Attributes (under CAEXBasicObject): <ul style="list-style-type: none"> ChangeMode: Type ChangeMode, Default state. Description: Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications. SystemUnitAttributeName: Type xs:string. RoleAttributeName: Type xs:string.
Type	extension of CAEXBasicObject

Type hierarchy	<ul style="list-style-type: none"> • CAEXBasicObject 					
Properties	content:	complex				
	minOccurs:	0				
	maxOccurs:	unbounded				
Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation*					
Children	AdditionalInformation, Copyright, Description, Revision, Version					
Instance	<pre><AttributeNameMapping ChangeMode="state" RoleAttributeName="" SystemUnitAttributeName=""> <Description ChangeMode="state">{0,1}</Description> <Version ChangeMode="state">{0,1}</Version> <Revision ChangeMode="state">{0,unbounded}</Revision> <Copyright ChangeMode="state">{0,1}</Copyright> <AdditionalInformation>{0,unbounded}</AdditionalInformation> </AttributeNameMapping></pre>					
Attributes	QName	Type	Fixed	Default	Use	
	ChangeMode	ChangeMode		state	optional	
		Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.				
	RoleAttributeName	xs:string			required	
	SystemUnitAttributeName	xs:string			required	
Source	<pre><x:element name="AttributeNameMapping" minOccurs="0" maxOccurs="unbounded"> <x:annotation> <x:documentation>Allows the definition of the mapping between attribute names of corresponding RoleClasses and SystemUnitClasses.</x:documentation> </x:annotation> <x:complexType> <x:extension base="CAEXBasicObject"> <x:attribute name="SystemUnitAttributeName" type="xs:string" use="required"/> <x:attribute name="RoleAttributeName" type="xs:string" use="required"/> </x:extension> </x:complexType> </x:element></pre>					
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd					

Element MappingType / InterfaceNameMapping

Namespace	No namespace
Annotations	Mapping of interface names of corresponding RoleClasses and SystemUnitClasses.

Diagram

```

classDiagram
    class CAEXBasicObject {
        @ attributes
        ChangeMode
        Header
        InterfaceNameMapping
        AdditionalInformation
        @ attributes
        SystemUnitInterfaceName
        RoleInterfaceName
    }
    CAEXBasicObject <|-- InterfaceNameMapping
    CAEXBasicObject <|-- Header
    CAEXBasicObject <|-- AdditionalInformation
    
```

The diagram illustrates the schema definition for the `CAEXBasicObject` element. It consists of several components:

- CAEXBasicObject (extension base)**: The base element, defined as an extension of `CAEXBasicObject`. It contains attributes for `ChangeMode` (Type: `ChangeMode`, Default: `state`) and `Header`.
- Header**: A group of organizational information fields:
 - `Description`: Type: `xs:string`, Description: Textual description for CAEX objects.
 - `Version`: Type: `xs:string`, Description: Organizational information about the state of the version.
 - `Revision`: Type: `extension of 'CAEXBasicObject'`, Multiplicity: `0..oo`, Description: Organizational information about the state of the revision.
 - `Copyright`: Type: `xs:string`, Description: Organizational information about copyright.
 - `AdditionalInformation`: Type: `xs:anyType`, Multiplicity: `0..oo`, Description: Optional auxiliary field that may contain any additional information about a CAEX object.
- InterfaceNameMapping**: A mapping of interface names of corresponding RoleClasses and SystemUnitClasses. It is an extension of `CAEXBasicObject`.
- AdditionalInformation**: An optional auxiliary field that may contain any additional information about a CAEX object.
- Attributes** (under `CAEXBasicObject`):
 - `SystemUnitInterfaceName`: Type: `xs:string`
 - `RoleInterfaceName`: Type: `xs:string`

Type: extension of CAEXBasicObject

Type hierarchy:

- CAEXBasicObject

Properties:

content:	complex
minOccurs:	0
maxOccurs:	unbounded

Model: Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation*

Children: AdditionalInformation, Copyright, Description, Revision, Version

Instance:

```

<InterfaceNameMapping ChangeMode="state" RoleInterfaceName="" SystemUnitInterfaceName="">
    <Description ChangeMode="state">{0,1}</Description>
    <Version ChangeMode="state">{0,1}</Version>
    <Revision ChangeMode="state">{0,unbounded}</Revision>
    <Copyright ChangeMode="state">{0,1}</Copyright>
    <AdditionalInformation>{0,unbounded}</AdditionalInformation>
</InterfaceNameMapping>

```

Attributes:

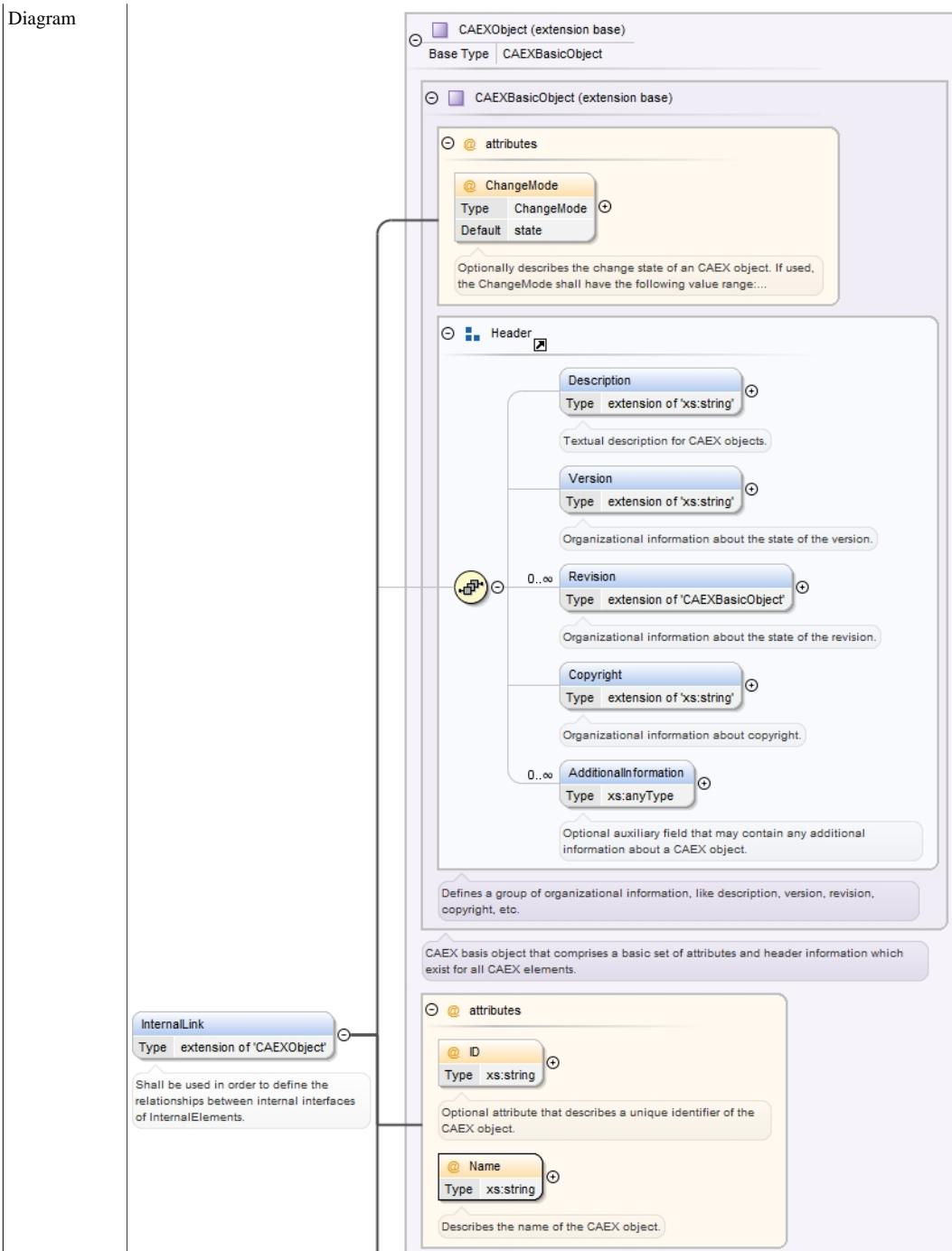
QName	Type	Fixed	Default	Use
ChangeMode	ChangeMode		state	optional
	Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create,			

	QName	Type	Fixed	Default	Use
		delete and change. This information should be used for further change management applications.			
	RoleInterfaceName	xs:string			required
	SystemUnitInterfaceName	xs:string			required
Source	<pre><xs:element name="InterfaceNameMapping" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Mapping of interface names of corresponding RoleClasses and SystemUnitClasses.</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="CAEXBasicObject"> <xs:attribute name="SystemUnitInterfaceName" type="xs:string" use="required"/> <xs:attribute name="RoleInterfaceName" type="xs:string" use="required"/> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element></pre>				
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd				

Element SystemUnitClassType / InternalLink

Namespace	No namespace
Annotations	Shall be used in order to define the relationships between internal interfaces of InternalElements.

Diagram



Type	extension of CAEXObject
------	-------------------------

Type hierarchy	<ul style="list-style-type: none"> • CAEXBasicObject • CAEXObject
----------------	---

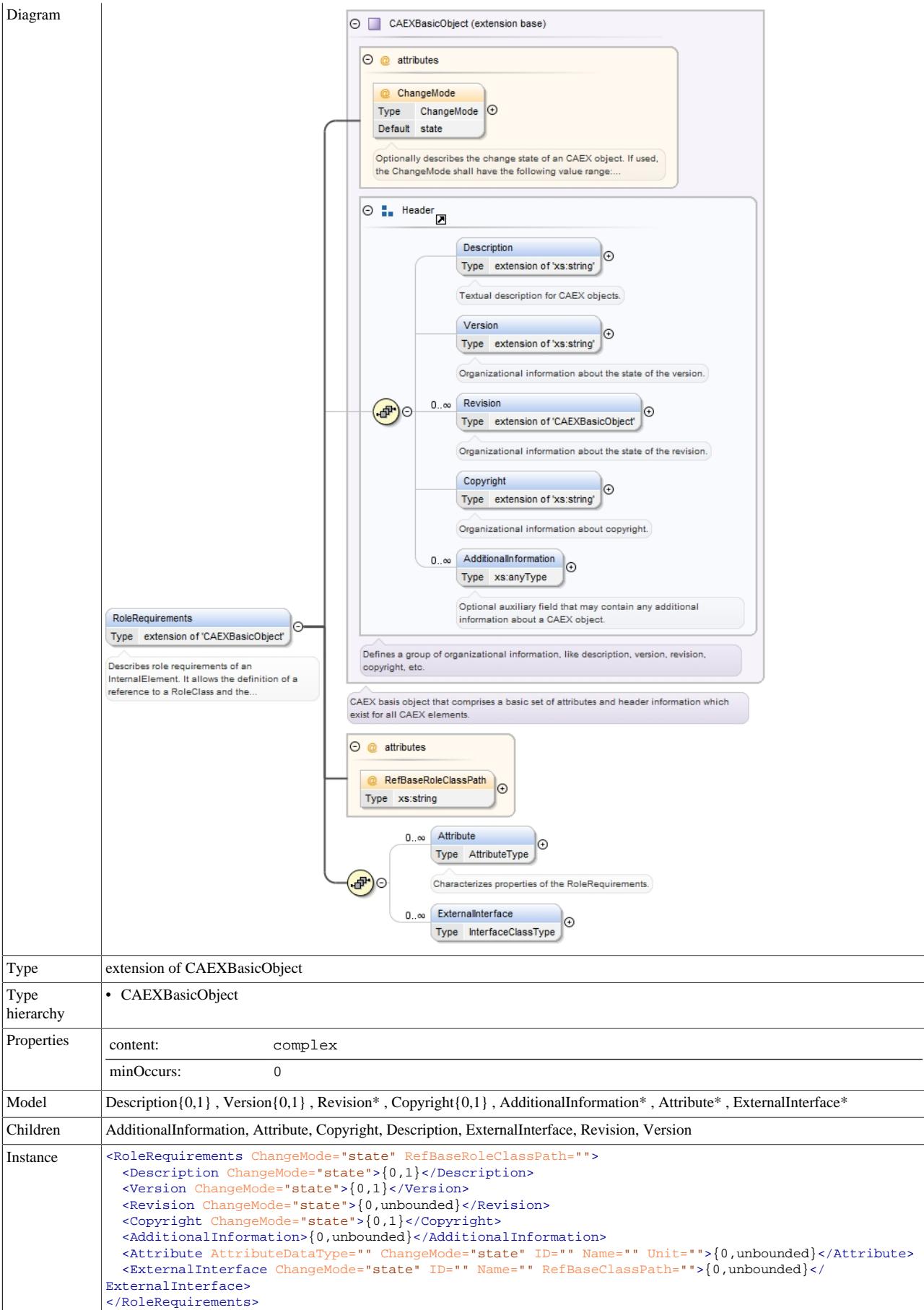
Properties	content: complex
	minOccurs: 0

	maxOccurs:	unbounded																																															
Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation*																																																
Children	AdditionalInformation, Copyright, Description, Revision, Version																																																
Instance	<InternalLink ChangeMode="state" ID="" Name="" RefPartnerSideA="" RefPartnerSideB=""> <Description ChangeMode="state">{0,1}</Description> <Version ChangeMode="state">{0,1}</Version> <Revision ChangeMode="state">{0,unbounded}</Revision> <Copyright ChangeMode="state">{0,1}</Copyright> <AdditionalInformation>{0,unbounded}</AdditionalInformation> </InternalLink>																																																
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>ChangeMode</td> <td>ChangeMode</td> <td></td> <td>state</td> <td>optional</td> </tr> <tr> <td></td> <td>Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>ID</td> <td>xs:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td>Optional attribute that describes a unique identifier of the CAEX object.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Name</td> <td>xs:string</td> <td></td> <td></td> <td>required</td> </tr> <tr> <td></td> <td>Describes the name of the CAEX object.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>RefPartnerSideA</td> <td>xs:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>RefPartnerSideB</td> <td>xs:string</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	ChangeMode	ChangeMode		state	optional		Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.				ID	xs:string			optional		Optional attribute that describes a unique identifier of the CAEX object.				Name	xs:string			required		Describes the name of the CAEX object.				RefPartnerSideA	xs:string			optional	RefPartnerSideB	xs:string			optional			
QName	Type	Fixed	Default	Use																																													
ChangeMode	ChangeMode		state	optional																																													
	Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.																																																
ID	xs:string			optional																																													
	Optional attribute that describes a unique identifier of the CAEX object.																																																
Name	xs:string			required																																													
	Describes the name of the CAEX object.																																																
RefPartnerSideA	xs:string			optional																																													
RefPartnerSideB	xs:string			optional																																													
Source	<xs:element name="InternalLink" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Shall be used in order to define the relationships between internal interfaces of InternalElements.</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="CAEXObject"> <xs:attribute name="RefPartnerSideA" type="xs:string" use="optional"/> <xs:attribute name="RefPartnerSideB" type="xs:string" use="optional"/> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element>																																																
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd																																																

Element InternalElementType / RoleRequirements

Namespace	No namespace
Annotations	Describes role requirements of an InternalElement. It allows the definition of a reference to a RoleClass and the specification of role requirements like required attributes and required interfaces.

Diagram



Attributes	QName	Type	Fixed	Default	Use
	ChangeMode	ChangeMode		state	optional
	Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.				
	RefBaseRoleClassPath	xs:string			optional
Source	<pre><xs:element name="RoleRequirements" minOccurs="0"> <xs:annotation> <xs:documentation>Describes role requirements of an InternalElement. It allows the definition of a reference to a RoleClass and the specification of role requirements like required attributes and required interfaces.</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="CAEXBasicObject"> <xs:sequence> <xs:element name="Attribute" type="AttributeType" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Characterizes properties of the RoleRequirements.</xs:documentation> </xs:annotation> </xs:elements> <xs:element name="ExternalInterface" type="InterfaceClassType" minOccurs="0" maxOccurs="unbounded"/> <xs:sequence> <xs:attribute name="RefBaseRoleClassPath" type="xs:string" use="optional" /> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element></pre>				
Schema location	file:///C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd				

Element InternalElementType / RoleRequirements / Attribute

Namespace	No namespace
Annotations	Characterizes properties of the RoleRequirements.

Diagram

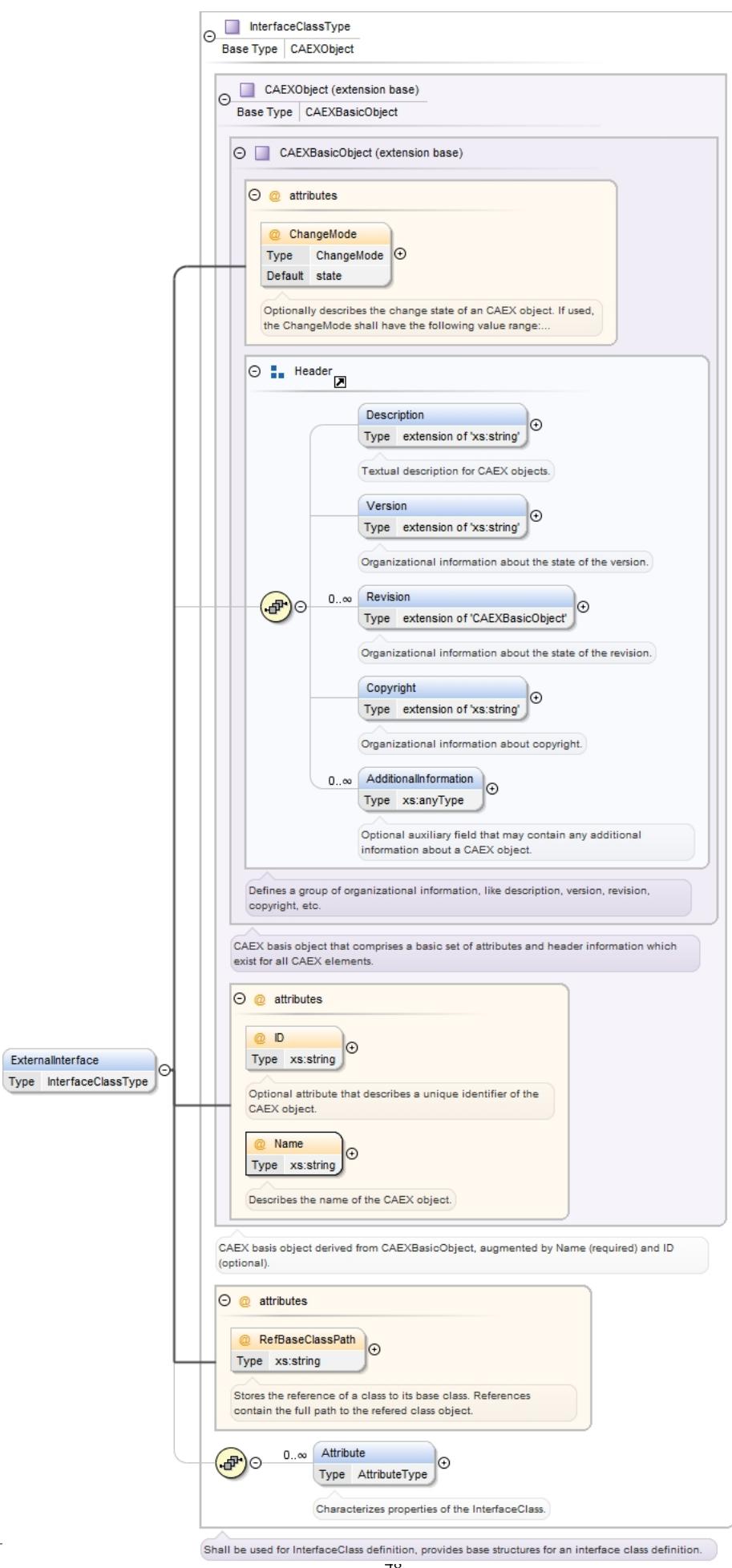


Type	AttributeType																																																											
Type hierarchy	<ul style="list-style-type: none"> • CAEXBasicObject <ul style="list-style-type: none"> • CAEXObject <ul style="list-style-type: none"> • AttributeType 																																																											
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>					content:	complex	minOccurs:	0	maxOccurs:	unbounded																																																	
content:	complex																																																											
minOccurs:	0																																																											
maxOccurs:	unbounded																																																											
Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation* , DefaultValue{0,1} , Value{0,1} , RefSemantic* , Constraint* , Attribute*																																																											
Children	AdditionalInformation, Attribute, Constraint, Copyright, DefaultValue, Description, RefSemantic, Revision, Value, Version																																																											
Instance	<pre><Attribute AttributeDataType="" ChangeMode="state" ID="" Name="" Unit=""> <Description ChangeMode="state">{0,1}</Description> <Version ChangeMode="state">{0,1}</Version> <Revision ChangeMode="state">{0,unbounded}</Revision> <Copyright ChangeMode="state">{0,1}</Copyright> <AdditionalInformation>{0,unbounded}</AdditionalInformation> <DefaultValue>{0,1}</DefaultValue> <Value>{0,1}</Value> <RefSemantic ChangeMode="state" CorrespondingAttributePath="">{0,unbounded}</RefSemantic> <Constraint ChangeMode="state" Name="">{0,unbounded}</Constraint> <Attribute AttributeDataType="" ChangeMode="state" ID="" Name="" Unit="">{0,unbounded}</Attribute> </Attribute></pre>																																																											
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>AttributeDataType</td> <td>xs:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Describes the data type of the attribute using XML notation.</td></tr> <tr> <td>ChangeMode</td> <td>ChangeMode</td> <td></td> <td>state</td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.</td></tr> <tr> <td>ID</td> <td>xs:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Optional attribute that describes a unique identifier of the CAEX object.</td></tr> <tr> <td>Name</td> <td>xs:string</td> <td></td> <td></td> <td>required</td> </tr> <tr> <td></td> <td colspan="4">Describes the name of the CAEX object.</td></tr> <tr> <td>Unit</td> <td>xs:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Describes the unit of the attribute.</td></tr> </tbody> </table>					QName	Type	Fixed	Default	Use	AttributeDataType	xs:string			optional		Describes the data type of the attribute using XML notation.				ChangeMode	ChangeMode		state	optional		Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.				ID	xs:string			optional		Optional attribute that describes a unique identifier of the CAEX object.				Name	xs:string			required		Describes the name of the CAEX object.				Unit	xs:string			optional		Describes the unit of the attribute.			
QName	Type	Fixed	Default	Use																																																								
AttributeDataType	xs:string			optional																																																								
	Describes the data type of the attribute using XML notation.																																																											
ChangeMode	ChangeMode		state	optional																																																								
	Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.																																																											
ID	xs:string			optional																																																								
	Optional attribute that describes a unique identifier of the CAEX object.																																																											
Name	xs:string			required																																																								
	Describes the name of the CAEX object.																																																											
Unit	xs:string			optional																																																								
	Describes the unit of the attribute.																																																											
Source	<pre><xss:element name="Attribute" type="AttributeType" minOccurs="0" maxOccurs="unbounded"> <xss:annotation> <xss:documentation>Characterizes properties of the RoleRequirements.</xss:documentation> </xss:annotation> </xss:element></pre>																																																											
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd																																																											

Element InternalElementType / RoleRequirements / ExternalInterface

Namespace	No namespace
-----------	--------------

Diagram

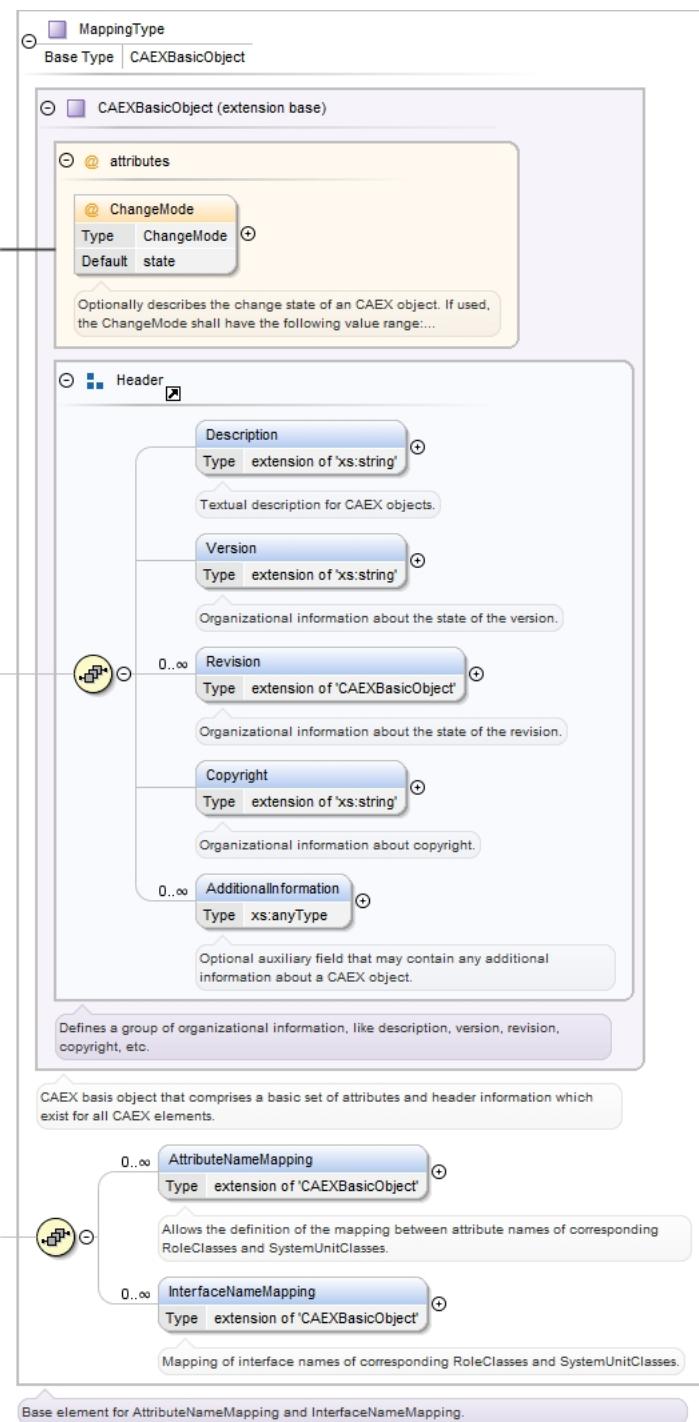


Type	InterfaceClassType																																																	
Type hierarchy	<ul style="list-style-type: none"> • CAEXBasicObject • CAEXObject • InterfaceClassType 																																																	
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td> <td style="padding: 2px;">complex</td> </tr> <tr> <td style="padding: 2px;">minOccurs:</td> <td style="padding: 2px;">0</td> </tr> <tr> <td style="padding: 2px;">maxOccurs:</td> <td style="padding: 2px;">unbounded</td> </tr> </table>					content:	complex	minOccurs:	0	maxOccurs:	unbounded																																							
content:	complex																																																	
minOccurs:	0																																																	
maxOccurs:	unbounded																																																	
Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation* , Attribute*																																																	
Children	AdditionalInformation, Attribute, Copyright, Description, Revision, Version																																																	
Instance	<pre style="font-family: monospace; font-size: 0.8em; margin: 0;"> <ExternalInterface ChangeMode="state" ID="" Name="" RefBaseClassPath=""> <Description ChangeMode="state">{0,1}</Description> <Version ChangeMode="state">{0,1}</Version> <Revision ChangeMode="state">{0,unbounded}</Revision> <Copyright ChangeMode="state">{0,1}</Copyright> <AdditionalInformation>{0,unbounded}</AdditionalInformation> <Attribute AttributeDataType="" ChangeMode="state" ID="" Name="" Unit="">{0,unbounded}</Attribute> </ExternalInterface> </pre>																																																	
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;"> QName</th> <th style="width: 25%;"> Type</th> <th style="width: 15%;"> Fixed</th> <th style="width: 15%;"> Default</th> <th style="width: 15%;"> Use</th> </tr> </thead> <tbody> <tr> <td>ChangeMode</td><td>ChangeMode</td><td></td><td>state</td><td>optional</td></tr> <tr> <td></td><td colspan="4">Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.</td></tr> <tr> <td>ID</td><td>xs:string</td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="4">Optional attribute that describes a unique identifier of the CAEX object.</td></tr> <tr> <td>Name</td><td>xs:string</td><td></td><td></td><td>required</td></tr> <tr> <td></td><td colspan="4">Describes the name of the CAEX object.</td></tr> <tr> <td>RefBaseClassPath</td><td>xs:string</td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="4">Stores the reference of a class to its base class. References contain the full path to the referred class object.</td></tr> </tbody> </table>					QName	Type	Fixed	Default	Use	ChangeMode	ChangeMode		state	optional		Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.				ID	xs:string			optional		Optional attribute that describes a unique identifier of the CAEX object.				Name	xs:string			required		Describes the name of the CAEX object.				RefBaseClassPath	xs:string			optional		Stores the reference of a class to its base class. References contain the full path to the referred class object.			
QName	Type	Fixed	Default	Use																																														
ChangeMode	ChangeMode		state	optional																																														
	Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.																																																	
ID	xs:string			optional																																														
	Optional attribute that describes a unique identifier of the CAEX object.																																																	
Name	xs:string			required																																														
	Describes the name of the CAEX object.																																																	
RefBaseClassPath	xs:string			optional																																														
	Stores the reference of a class to its base class. References contain the full path to the referred class object.																																																	
Source	<xss:element name="ExternalInterface" type="InterfaceClassType" minOccurs="0" maxOccurs="unbounded" />																																																	
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd																																																	

Element InternalElementType / MappingObject

Namespace	No namespace
Annotations	Host element for AttributeNameMapping and InterfaceNameMapping.

Diagram



Type	MappingType
Type hierarchy	<ul style="list-style-type: none"> • CAEXBasicObject <ul style="list-style-type: none"> • MappingType
Properties	<p>content: complex</p> <p>minOccurs: 0</p>
Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation* , AttributeNameMapping* , InterfaceNameMapping*
Children	AdditionalInformation, AttributeNameMapping, Copyright, Description, InterfaceNameMapping, Revision, Version
Instance	<pre><MappingObject ChangeMode="state"> <Description ChangeMode="state">{0,1}</Description> <Version ChangeMode="state">{0,1}</Version> <Revision ChangeMode="state">{0,unbounded}</Revision></pre>

```

<Copyright ChangeMode="state">{0,1}</Copyright>
<AdditionalInformation>{0,unbounded}</AdditionalInformation>
<AttributeNameMapping ChangeMode="state" RoleAttributeName="" SystemUnitAttributeName="">{0,unbounded}</
AttributeNameMapping>
<InterfaceNameMapping ChangeMode="state" RoleInterfaceName="" SystemUnitInterfaceName="">{0,unbounded}</
InterfaceNameMapping>
</MappingObject>

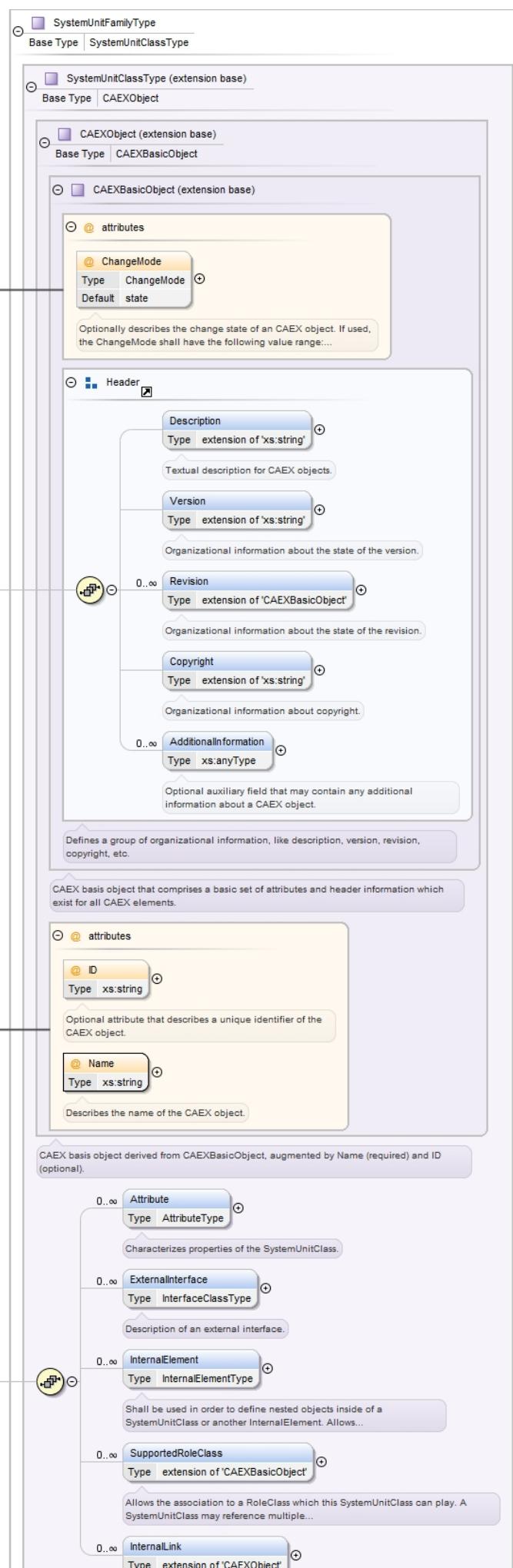
```

	QName	Type	Fixed	Default	Use
	ChangeMode	ChangeMode		state	optional
	Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.				
Source	<pre> <xs:element name="MappingObject" type="MappingType" minOccurs="0"> <xs:annotation> <xs:documentation>Host element for AttributeNameMapping and InterfaceNameMapping.</ xs:documentation> </xs:annotation> </xs:element> </pre>				
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd				

Element SystemUnitFamilyType / SystemUnitClass

Namespace	No namespace
Annotations	Element that allows definition of child SystemUnitClasses within the class hierarchy. The parent child relation between two SystemUnitClasses has no semantic.

Diagram

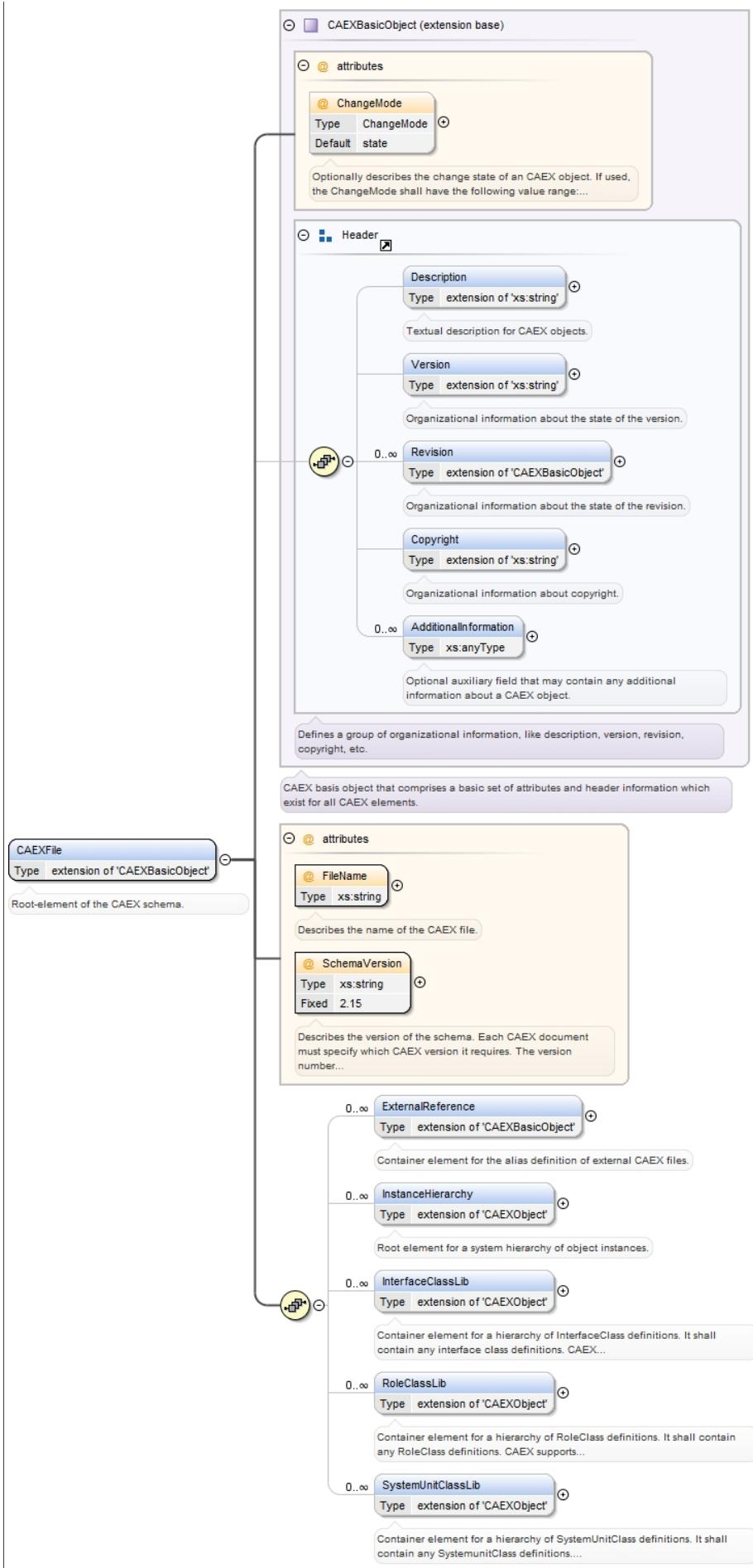


Type	SystemUnitFamilyType																																																	
Type hierarchy	<ul style="list-style-type: none"> • CAEXBasicObject • CAEXObject • SystemUnitClassType • SystemUnitFamilyType 																																																	
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td> <td style="padding: 2px;">complex</td> </tr> <tr> <td style="padding: 2px;">minOccurs:</td> <td style="padding: 2px;">0</td> </tr> <tr> <td style="padding: 2px;">maxOccurs:</td> <td style="padding: 2px;">unbounded</td> </tr> </table>					content:	complex	minOccurs:	0	maxOccurs:	unbounded																																							
content:	complex																																																	
minOccurs:	0																																																	
maxOccurs:	unbounded																																																	
Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation* , Attribute* , ExternalInterface* , InternalElement* , SupportedRoleClass* , InternalLink* , SystemUnitClass*																																																	
Children	AdditionalInformation, Attribute, Copyright, Description, ExternalInterface, InternalElement, InternalLink, Revision, SupportedRoleClass, SystemUnitClass, Version																																																	
Instance	<pre><SystemUnitClass ChangeMode="state" ID="" Name="" RefBaseClassPath=""> <Description ChangeMode="state">{0,1}</Description> <Version ChangeMode="state">{0,1}</Version> <Revision ChangeMode="state">{0,unbounded}</Revision> <Copyright ChangeMode="state">{0,1}</Copyright> <AdditionalInformation>{0,unbounded}</AdditionalInformation> <Attribute AttributeDataType="" ChangeMode="state" ID="" Name="" Unit="">{0,unbounded}</Attribute> <ExternalInterface ChangeMode="state" ID="" Name="" RefBaseClassPath="">{0,unbounded}</ExternalInterface> <InternalElement ChangeMode="state" ID="" Name="" RefBaseSystemUnitPath="">{0,unbounded}</InternalElement> <SupportedRoleClass ChangeMode="state" RefRoleClassPath="">{0,unbounded}</SupportedRoleClass> <InternalLink ChangeMode="state" ID="" Name="" RefPartnerSideA="" RefPartnerSideB="">{0,unbounded}</InternalLink> <SystemUnitClass ChangeMode="state" ID="" Name="" RefBaseClassPath="">{0,unbounded}</SystemUnitClass> </SystemUnitClass></pre>																																																	
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">QName</th> <th style="width: 20%;">Type</th> <th style="width: 15%;">Fixed</th> <th style="width: 15%;">Default</th> <th style="width: 20%;">Use</th> </tr> </thead> <tbody> <tr> <td>ChangeMode</td> <td>ChangeMode</td> <td></td> <td>state</td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.</td></tr> <tr> <td>ID</td> <td>xs:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Optional attribute that describes a unique identifier of the CAEX object.</td></tr> <tr> <td>Name</td> <td>xs:string</td> <td></td> <td></td> <td>required</td> </tr> <tr> <td></td> <td colspan="4">Describes the name of the CAEX object.</td></tr> <tr> <td>RefBaseClassPath</td> <td>xs:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Stores the reference of a class to its base class. References contain the full path to the referred class object.</td></tr> </tbody> </table>					QName	Type	Fixed	Default	Use	ChangeMode	ChangeMode		state	optional		Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.				ID	xs:string			optional		Optional attribute that describes a unique identifier of the CAEX object.				Name	xs:string			required		Describes the name of the CAEX object.				RefBaseClassPath	xs:string			optional		Stores the reference of a class to its base class. References contain the full path to the referred class object.			
QName	Type	Fixed	Default	Use																																														
ChangeMode	ChangeMode		state	optional																																														
	Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.																																																	
ID	xs:string			optional																																														
	Optional attribute that describes a unique identifier of the CAEX object.																																																	
Name	xs:string			required																																														
	Describes the name of the CAEX object.																																																	
RefBaseClassPath	xs:string			optional																																														
	Stores the reference of a class to its base class. References contain the full path to the referred class object.																																																	
Source	<pre><xs:element name="SystemUnitClass" type="SystemUnitFamilyType" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Element that allows definition of child SystemUnitClasses within the class hierarchy. The parent child relation between two SystemUnitClasses has no semantic.</xs:documentation> </xs:annotation> </xs:element></pre>																																																	
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd																																																	

Element CAEXFile

Namespace	No namespace
Annotations	Root-element of the CAEX schema.

Diagram



Type	extension of CAEXBasicObject																																						
Type hierarchy	<ul style="list-style-type: none"> • CAEXBasicObject 																																						
Properties	content: complex																																						
Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation* , ExternalReference* , InstanceHierarchy* , InterfaceClassLib* , RoleClassLib* , SystemUnitClassLib*																																						
Children	AdditionalInformation, Copyright, Description, ExternalReference, InstanceHierarchy, InterfaceClassLib, Revision, RoleClassLib, SystemUnitClassLib, Version																																						
Instance	<pre><CAEXFile ChangeMode="state" FileName="" SchemaVersion="2.15"> <Description ChangeMode="state">{0,1}</Description> <Version ChangeMode="state">{0,1}</Version> <Revision ChangeMode="state">{0,unbounded}</Revision> <Copyright ChangeMode="state">{0,1}</Copyright> <AdditionalInformation>{0,unbounded}</AdditionalInformation> <ExternalReference Alias="" ChangeMode="state" Path="">{0,unbounded}</ExternalReference> <InstanceHierarchy ChangeMode="state" ID="" Name="">{0,unbounded}</InstanceHierarchy> <InterfaceClassLib ChangeMode="state" ID="" Name="">{0,unbounded}</InterfaceClassLib> <RoleClassLib ChangeMode="state" ID="" Name="">{0,unbounded}</RoleClassLib> <SystemUnitClassLib ChangeMode="state" ID="" Name="">{0,unbounded}</SystemUnitClassLib> </CAEXFile></pre>																																						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>ChangeMode</td> <td>ChangeMode</td> <td></td> <td>state</td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.</td></tr> <tr> <td>FileName</td> <td>xs:string</td> <td></td> <td></td> <td>required</td> </tr> <tr> <td></td> <td colspan="4">Describes the name of the CAEX file.</td></tr> <tr> <td>SchemaVersion</td> <td>xs:string</td> <td>2.15</td> <td></td> <td>required</td> </tr> <tr> <td></td> <td colspan="4">Describes the version of the schema. Each CAEX document must specify which CAEX version it requires. The version number of a CAEX document must fit to the version number specified in the CAEX schema file.</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	ChangeMode	ChangeMode		state	optional		Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.				FileName	xs:string			required		Describes the name of the CAEX file.				SchemaVersion	xs:string	2.15		required		Describes the version of the schema. Each CAEX document must specify which CAEX version it requires. The version number of a CAEX document must fit to the version number specified in the CAEX schema file.						
QName	Type	Fixed	Default	Use																																			
ChangeMode	ChangeMode		state	optional																																			
	Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.																																						
FileName	xs:string			required																																			
	Describes the name of the CAEX file.																																						
SchemaVersion	xs:string	2.15		required																																			
	Describes the version of the schema. Each CAEX document must specify which CAEX version it requires. The version number of a CAEX document must fit to the version number specified in the CAEX schema file.																																						
Source	<pre><xs:element name="CAEXFile"> <xs:annotation> <xs:documentation>Root-element of the CAEX schema.</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="CAEXBasicObject"> <xs:sequence> <xs:element name="ExternalReference" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Container element for the alias definition of external CAEX files.</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="CAEXBasicObject"> <xs:attribute name="Path" type="xs:string" use="required"> <xs:annotation> <xs:documentation>Describes the path of the external CAEX file. Absolute and relative paths are allowed.</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="Alias" type="xs:string" use="required"> <xs:annotation> <xs:documentation>Describes the alias name of an external CAEX file to enable referencing elements of the external CAEX file.</xs:documentation> </xs:annotation> </xs:attribute> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> <xs:element name="InstanceHierarchy" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Root element for a system hierarchy of object instances.</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="CAEXObject"></pre>																																						

```

        <xs:sequence>
            <xs:element name="InternalElement" type="InternalElementType" minOccurs="0"
maxOccurs="unbounded">
                <xs:annotation>
                    <xs:documentation>Shall be used in order to define nested objects inside of
a SystemUnitClass or another InternalElement. Allows description of the internal structure of an
CAEX object.</xs:documentation>
                </xs:annotation>
            </xs:element>
        </xs:sequence>
    </xs:extension>
</xs:complexType>
</xs:elements>
<xs:element name="InterfaceClassLib" minOccurs="0" maxOccurs="unbounded">
    <xs:annotation>
        <xs:documentation>Container element for a hierarchy of InterfaceClass definitions.
It shall contain any interface class definitions. CAEX supports multiple interface libraries..</xs:documentation>
    </xs:annotation>
    <xs:complexType>
        <xs:complexContent>
            <xs:extension base="CAEXObject">
                <xs:sequence>
                    <xs:element name="InterfaceClass" type="InterfaceFamilyType" minOccurs="0"
maxOccurs="unbounded">
                        <xs:annotation>
                            <xs:documentation>Class definition for interfaces.</xs:documentation>
                        </xs:annotation>
                    </xs:element>
                </xs:sequence>
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
</xs:elements>
<xs:element name="RoleClassLib" minOccurs="0" maxOccurs="unbounded">
    <xs:annotation>
        <xs:documentation>Container element for a hierarchy of RoleClass definitions. It shall
contain any RoleClass definitions. CAEX supports multiple role libraries.</xs:documentation>
    </xs:annotation>
    <xs:complexType>
        <xs:complexContent>
            <xs:extension base="CAEXObject">
                <xs:sequence>
                    <xs:element name="RoleClass" type="RoleFamilyType" minOccurs="0"
maxOccurs="unbounded">
                        <xs:annotation>
                            <xs:documentation>Definition of a class of a role type.</xs:documentation>
                        </xs:annotation>
                    </xs:element>
                </xs:sequence>
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
</xs:elements>
<xs:element name="SystemUnitClassLib" minOccurs="0" maxOccurs="unbounded">
    <xs:annotation>
        <xs:documentation>Container element for a hierarchy of SystemUnitClass definitions. It
shall contain any SystemunitClass definitions. CAEX supports multiple SystemUnitClass libraries.</xs:documentation>
    </xs:annotation>
    <xs:complexType>
        <xs:complexContent>
            <xs:extension base="CAEXObject">
                <xs:sequence>
                    <xs:element name="SystemUnitClass" type="SystemUnitFamilyType" minOccurs="0"
maxOccurs="unbounded">
                        <xs:annotation>
                            <xs:documentation>Shall be used for SystemUnitClass definition, provides
definition of a class of a SystemUnitClass type.</xs:documentation>
                        </xs:annotation>
                    </xs:element>
                </xs:sequence>
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
</xs:elements>
<xs:attribute name="FileName" type="xs:string" use="required">
    <xs:annotation>
        <xs:documentation>Describes the name of the CAEX file.</xs:documentation>
    </xs:annotation>
</xs:attribute>

```

	<pre> <xs:attribute name="SchemaVersion" type="xs:string" use="required" fixed="2.15"> <xs:annotation> <xs:documentation>Describes the version of the schema. Each CAEX document must specify which CAEX version it requires. The version number of a CAEX document must fit to the version number specified in the CAEX schema file.</xs:documentation> </xs:annotation> </xs:attribute> </xs:extension> </xs:complexContent> </xs:complexType> </xs:elements> </pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd

Element CAEXfile / ExternalReference

Namespace	No namespace
Annotations	Container element for the alias definition of external CAEX files.
Diagram	<p>The diagram illustrates the structure of the CAEXfile / ExternalReference element. It shows a class hierarchy where CAEXBasicObject is the extension base. The ExternalReference class is defined as an extension of CAEXBasicObject. The ExternalReference class has attributes Path and Alias. The Header class contains attributes Description, Version, Revision, Copyright, and AdditionalInformation. The ChangeMode attribute is also shown as part of the CAEXBasicObject structure.</p>
Type	extension of CAEXBasicObject

Type hierarchy	<ul style="list-style-type: none"> • CAEXBasicObject 				
Properties	content: complex minOccurs: 0 maxOccurs: unbounded				
Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation*				
Children	AdditionalInformation, Copyright, Description, Revision, Version				
Instance	<pre><ExternalReference Alias="" ChangeMode="state" Path=""> <Description ChangeMode="state">{0,1}</Description> <Version ChangeMode="state">{0,1}</Version> <Revision ChangeMode="state">{0,unbounded}</Revision> <Copyright ChangeMode="state">{0,1}</Copyright> <AdditionalInformation>{0,unbounded}</AdditionalInformation> </ExternalReference></pre>				
Attributes	QName Alias ChangeMode Path	Type xs:string Describes the alias name of an external CAEX file to enable referencing elements of the external CAEX file. ChangeMode Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications. Path Describes the path of the external CAEX file. Absolute and relative paths are allowed.	Fixed Default state Use required optional required		
Source	<pre><x:element name="ExternalReference" minOccurs="0" maxOccurs="unbounded"> <x:annotation> <x:documentation>Container element for the alias definition of external CAEX files.</x:documentation> </x:annotation> <x:complexType> <x:complexContent> <x:extension base="CAEXBasicObject"> <x:attribute name="Path" type="xs:string" use="required"> <x:annotation> <x:documentation>Describes the path of the external CAEX file. Absolute and relative paths are allowed.</x:documentation> </x:annotation> </x:attribute> <x:attribute name="Alias" type="xs:string" use="required"> <x:annotation> <x:documentation>Describes the alias name of an external CAEX file to enable referencing elements of the external CAEX file.</x:documentation> </x:annotation> </x:attribute> </x:extension> </x:complexContent> </x:complexType> </x:element></pre>				
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd				

Element CAEXFile / InstanceHierarchy

Namespace	No namespace
Annotations	Root element for a system hierarchy of object instances.

Diagram

```

classDiagram
    CAEXObject <|-- CAEXBasicObject
    CAEXObject "0..>" InstanceHierarchy
    CAEXObject "0..>" InternalElement
    CAEXBasicObject "0..>" Header
    CAEXBasicObject "0..>" InstanceHierarchy
    CAEXBasicObject "0..>" InternalElement
    
```

CAEXObject (extension base)

Base Type: CAEXBasicObject

Attributes

- ChangeMode**: Type ChangeMode, Default state. Description: Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range:...

Header

- Description**: Type extension of 'xs:string'. Description: Textual description for CAEX objects.
- Version**: Type extension of 'xs:string'. Description: Organizational information about the state of the version.
- Revision**: Type extension of 'CAEXBasicObject'. Description: Organizational information about the state of the revision.
- Copyright**: Type extension of 'xs:string'. Description: Organizational information about copyright.
- AdditionalInformation**: Type xs:anyType. Description: Optional auxiliary field that may contain any additional information about a CAEX object.

CAEXBasicObject (extension base)

Attributes

- ID**: Type xs:string. Description: Optional attribute that describes a unique identifier of the CAEX object.
- Name**: Type xs:string. Description: Describes the name of the CAEX object.

InstanceHierarchy

Type extension of 'CAEXObject'

Root element for a system hierarchy of object instances.

InternalElement

Type InternalElementType

Shall be used in order to define nested objects inside of a SystemUnitClass or another InternalElement. Allows...

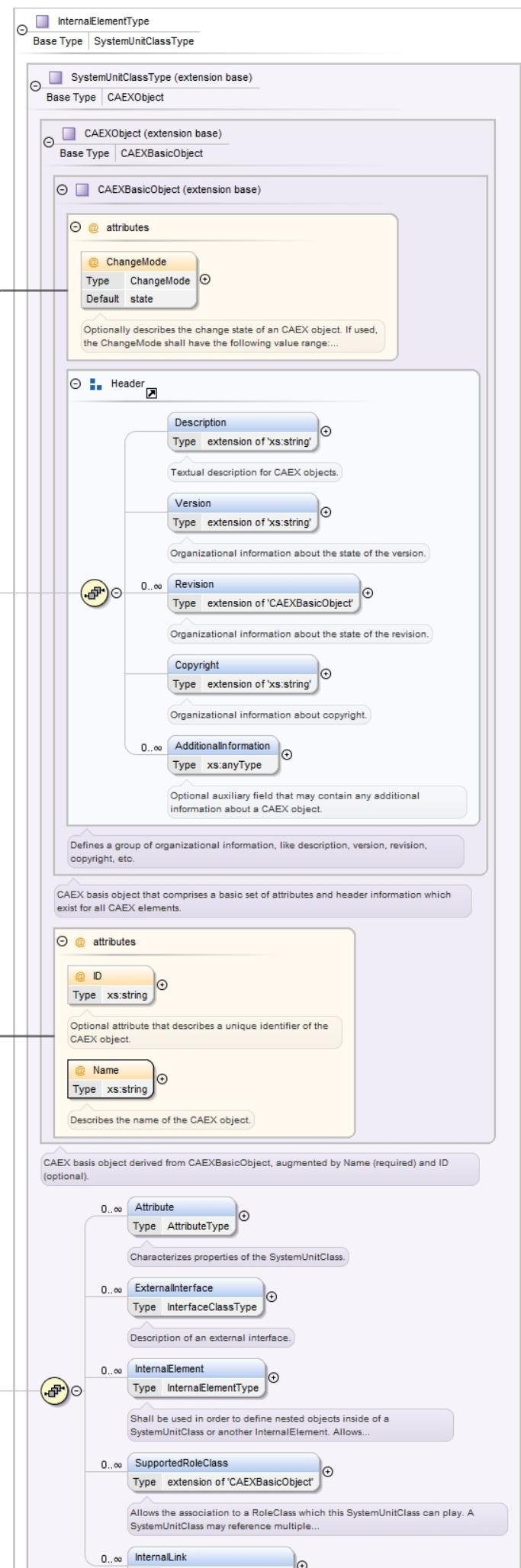
Type	extension of CAEXObject
Type hierarchy	<ul style="list-style-type: none"> • CAEXBasicObject • CAEXObject
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>

Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation* , InternalElement*								
Children	AdditionalInformation, Copyright, Description, InternalElement, Revision, Version								
Instance	<pre><InstanceHierarchy ChangeMode="state" ID="" Name=""> <Description ChangeMode="state">{0,1}</Description> <Version ChangeMode="state">{0,1}</Version> <Revision ChangeMode="state">{0,unbounded}</Revision> <Copyright ChangeMode="state">{0,1}</Copyright> <AdditionalInformation>{0,unbounded}</AdditionalInformation> <InternalElement ChangeMode="state" ID="" Name="" RefBaseSystemUnitPath="">{0,unbounded}</InternalElement> </InstanceHierarchy></pre>								
Attributes	QName	Type	Fixed	Default	Use				
	ChangeMode	ChangeMode		state	optional				
		Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.							
	ID	xs:string			optional				
		Optional attribute that describes a unique identifier of the CAEX object.							
	Name	xs:string			required				
		Describes the name of the CAEX object.							
Source	<pre><x:element name="InstanceHierarchy" minOccurs="0" maxOccurs="unbounded"> <x:annotation> <x:documentation>Root element for a system hierarchy of object instances.</x:documentation> </x:annotation> <x:complexType> <x:complexContent> <x:extension base="CAEXObject"> <x:sequence> <x:element name="InternalElement" type="InternalElementType" minOccurs="0" maxOccurs="unbounded"> <x:annotation> <x:documentation>Shall be used in order to define nested objects inside of a SystemUnitClass or another InternalElement. Allows description of the internal structure of an CAEX object.</x:documentation> </x:annotation> </x:element> </x:sequence> </x:extension> </x:complexContent> </x:complexType> </x:element></pre>								
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd								

Element CAEXFile / InstanceHierarchy / InternalElement

Namespace	No namespace
Annotations	Shall be used in order to define nested objects inside of a SystemUnitClass or another InternalElement. Allows description of the internal structure of an CAEX object.

Diagram

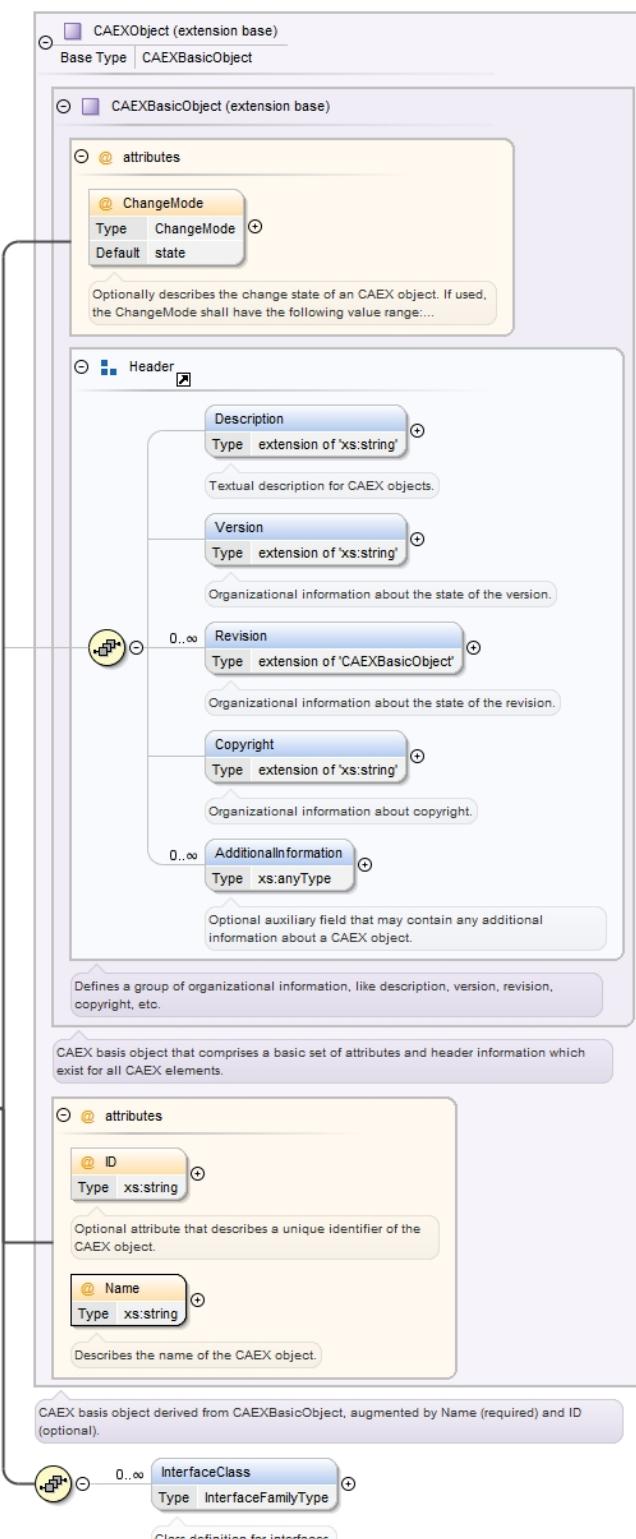


Type	InternalElementType																																																	
Type hierarchy	<ul style="list-style-type: none"> • CAEXBasicObject • CAEXObject • SystemUnitClassType • InternalElementType 																																																	
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td> <td style="padding: 2px;">complex</td> </tr> <tr> <td style="padding: 2px;">minOccurs:</td> <td style="padding: 2px;">0</td> </tr> <tr> <td style="padding: 2px;">maxOccurs:</td> <td style="padding: 2px;">unbounded</td> </tr> </table>					content:	complex	minOccurs:	0	maxOccurs:	unbounded																																							
content:	complex																																																	
minOccurs:	0																																																	
maxOccurs:	unbounded																																																	
Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation* , Attribute* , ExternalInterface* , InternalElement* , SupportedRoleClass* , InternalLink* , RoleRequirements{0,1} , MappingObject{0,1}																																																	
Children	AdditionalInformation, Attribute, Copyright, Description, ExternalInterface, InternalElement, InternalLink, MappingObject, Revision, RoleRequirements, SupportedRoleClass, Version																																																	
Instance	<pre style="font-family: monospace; font-size: small; margin: 0; padding: 0;"><code><InternalElement ChangeMode="state" ID="" Name="" RefBaseSystemUnitPath=""> <Description ChangeMode="state">{0,1}</Description> <Version ChangeMode="state">{0,1}</Version> <Revision ChangeMode="state">{0,unbounded}</Revision> <Copyright ChangeMode="state">{0,1}</Copyright> <AdditionalInformation>{0,unbounded}</AdditionalInformation> <Attribute AttributeDataType="" ChangeMode="state" ID="" Name="" Unit="">{0,unbounded}</Attribute> <ExternalInterface ChangeMode="state" ID="" Name="" RefBaseClassPath="">{0,unbounded}</ExternalInterface> <InternalElement ChangeMode="state" ID="" Name="" RefBaseSystemUnitPath="">{0,unbounded}</InternalElement> <SupportedRoleClass ChangeMode="state" RefRoleClassPath="">{0,unbounded}</SupportedRoleClass> <InternalLink ChangeMode="state" ID="" Name="" RefPartnerSideA="" RefPartnerSideB="">{0,unbounded}</InternalLink> <RoleRequirements ChangeMode="state" RefBaseRoleClassPath="">{0,1}</RoleRequirements> <MappingObject ChangeMode="state">{0,1}</MappingObject> </InternalElement></code></pre>																																																	
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">QName</th> <th style="width: 25%;">Type</th> <th style="width: 15%;">Fixed</th> <th style="width: 15%;">Default</th> <th style="width: 15%;">Use</th> </tr> </thead> <tbody> <tr> <td>ChangeMode</td><td>ChangeMode</td><td></td><td>state</td><td>optional</td></tr> <tr> <td></td><td colspan="4" style="text-align: center;">Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.</td></tr> <tr> <td>ID</td><td>xs:string</td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="4" style="text-align: center;">Optional attribute that describes a unique identifier of the CAEX object.</td></tr> <tr> <td>Name</td><td>xs:string</td><td></td><td></td><td>required</td></tr> <tr> <td></td><td colspan="4" style="text-align: center;">Describes the name of the CAEX object.</td></tr> <tr> <td>RefBaseSystemUnitPath</td><td>xs:string</td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="4" style="text-align: center;">Stores the reference of an InternalElement to a class or instance definition. References contain the full path information.</td></tr> </tbody> </table>					QName	Type	Fixed	Default	Use	ChangeMode	ChangeMode		state	optional		Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.				ID	xs:string			optional		Optional attribute that describes a unique identifier of the CAEX object.				Name	xs:string			required		Describes the name of the CAEX object.				RefBaseSystemUnitPath	xs:string			optional		Stores the reference of an InternalElement to a class or instance definition. References contain the full path information.			
QName	Type	Fixed	Default	Use																																														
ChangeMode	ChangeMode		state	optional																																														
	Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.																																																	
ID	xs:string			optional																																														
	Optional attribute that describes a unique identifier of the CAEX object.																																																	
Name	xs:string			required																																														
	Describes the name of the CAEX object.																																																	
RefBaseSystemUnitPath	xs:string			optional																																														
	Stores the reference of an InternalElement to a class or instance definition. References contain the full path information.																																																	
Source	<pre style="font-family: monospace; font-size: small; margin: 0; padding: 0;"><code><xs:element name="InternalElement" type="InternalElementType" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Shall be used in order to define nested objects inside of a SystemUnitClass or another InternalElement. Allows description of the internal structure of an CAEX object.</xs:documentation> </xs:annotation> </xs:element></code></pre>																																																	
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd																																																	

Element CAEXFile / InterfaceClassLib

Namespace	No namespace
Annotations	Container element for a hierarchy of InterfaceClass definitions. It shall contain any interface class definitions. CAEX supports multiple interface libraries..

Diagram



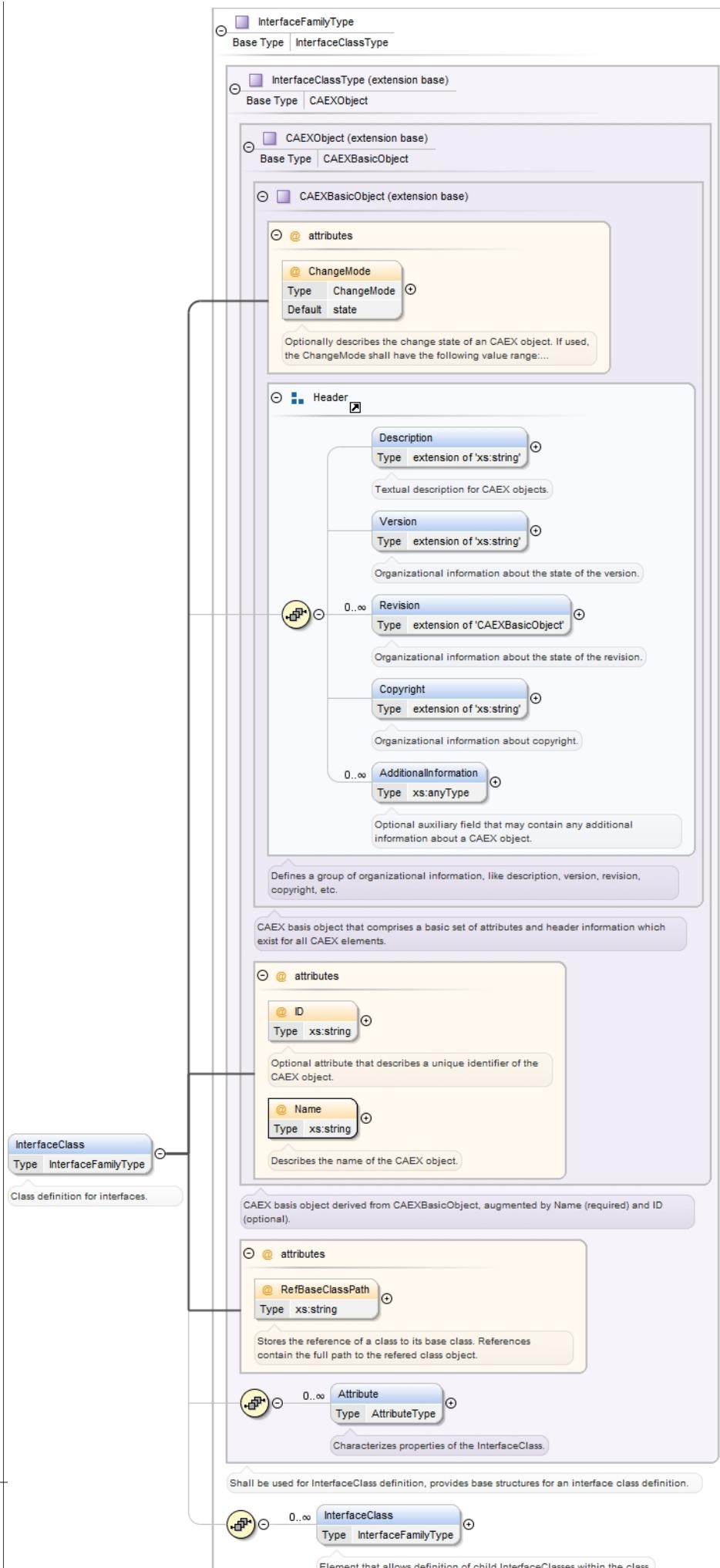
Type	extension of CAEXObject						
Type hierarchy	<ul style="list-style-type: none"> • CAEXBasicObject • CAEXObject 						
Properties	<table border="1"> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>unbounded</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation* , InterfaceClass*						

Children	AdditionalInformation, Copyright, Description, InterfaceClass, Revision, Version				
Instance	<pre><InterfaceClassLib ChangeMode="state" ID="" Name=""> <Description ChangeMode="state">{0,1}</Description> <Version ChangeMode="state">{0,1}</Version> <Revision ChangeMode="state">{0,unbounded}</Revision> <Copyright ChangeMode="state">{0,1}</Copyright> <AdditionalInformation>{0,unbounded}</AdditionalInformation> <InterfaceClass ChangeMode="state" ID="" Name="" RefBaseClassPath="">{0,unbounded}</ InterfaceClass> </InterfaceClassLib></pre>				
Attributes	QName	Type	Fixed	Default	Use
	ChangeMode	ChangeMode		state	optional
	Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.				
	ID	xs:string			optional
	Optional attribute that describes a unique identifier of the CAEX object.				
Source	Name	xs:string			required
	Describes the name of the CAEX object.				
Schema location	file:///C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd				

Element CAEXFile / InterfaceClassLib / InterfaceClass

Namespace	No namespace
Annotations	Class definition for interfaces.

Diagram

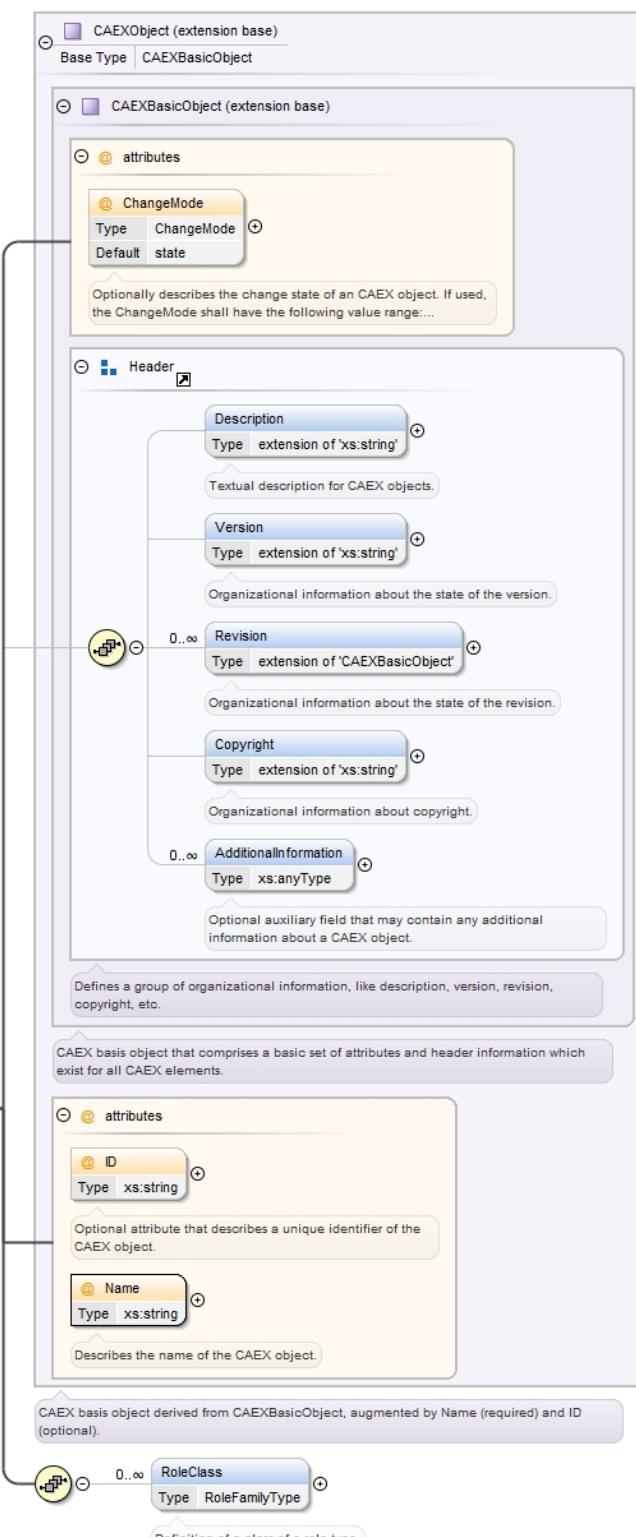


Type	InterfaceFamilyType																																																	
Type hierarchy	<ul style="list-style-type: none"> • CAEXBasicObject • CAEXObject • InterfaceClassType • InterfaceFamilyType 																																																	
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td> <td style="padding: 2px;">complex</td> </tr> <tr> <td style="padding: 2px;">minOccurs:</td> <td style="padding: 2px;">0</td> </tr> <tr> <td style="padding: 2px;">maxOccurs:</td> <td style="padding: 2px;">unbounded</td> </tr> </table>					content:	complex	minOccurs:	0	maxOccurs:	unbounded																																							
content:	complex																																																	
minOccurs:	0																																																	
maxOccurs:	unbounded																																																	
Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation* , Attribute* , InterfaceClass*																																																	
Children	AdditionalInformation, Attribute, Copyright, Description, InterfaceClass, Revision, Version																																																	
Instance	<pre style="font-family: monospace; font-size: 0.8em; margin: 0; padding: 0;"><code><InterfaceClass ChangeMode="state" ID="" Name="" RefBaseClassPath=""> <Description ChangeMode="state">{0,1}</Description> <Version ChangeMode="state">{0,1}</Version> <Revision ChangeMode="state">{0,unbounded}</Revision> <Copyright ChangeMode="state">{0,1}</Copyright> <AdditionalInformation>{0,unbounded}</AdditionalInformation> <Attribute AttributeDataType="" ChangeMode="state" ID="" Name="" Unit="">{0,unbounded}</Attribute> <InterfaceClass ChangeMode="state" ID="" Name="" RefBaseClassPath="">{0,unbounded}</InterfaceClass> </InterfaceClass></code></pre>																																																	
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">QName</th> <th style="width: 25%;">Type</th> <th style="width: 15%;">Fixed</th> <th style="width: 15%;">Default</th> <th style="width: 15%;">Use</th> </tr> </thead> <tbody> <tr> <td>ChangeMode</td><td>ChangeMode</td><td></td><td>state</td><td>optional</td></tr> <tr> <td></td><td colspan="4">Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.</td></tr> <tr> <td>ID</td><td>xs:string</td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="4">Optional attribute that describes a unique identifier of the CAEX object.</td></tr> <tr> <td>Name</td><td>xs:string</td><td></td><td></td><td>required</td></tr> <tr> <td></td><td colspan="4">Describes the name of the CAEX object.</td></tr> <tr> <td>RefBaseClassPath</td><td>xs:string</td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="4">Stores the reference of a class to its base class. References contain the full path to the referred class object.</td></tr> </tbody> </table>					QName	Type	Fixed	Default	Use	ChangeMode	ChangeMode		state	optional		Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.				ID	xs:string			optional		Optional attribute that describes a unique identifier of the CAEX object.				Name	xs:string			required		Describes the name of the CAEX object.				RefBaseClassPath	xs:string			optional		Stores the reference of a class to its base class. References contain the full path to the referred class object.			
QName	Type	Fixed	Default	Use																																														
ChangeMode	ChangeMode		state	optional																																														
	Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.																																																	
ID	xs:string			optional																																														
	Optional attribute that describes a unique identifier of the CAEX object.																																																	
Name	xs:string			required																																														
	Describes the name of the CAEX object.																																																	
RefBaseClassPath	xs:string			optional																																														
	Stores the reference of a class to its base class. References contain the full path to the referred class object.																																																	
Source	<pre style="font-family: monospace; font-size: 0.8em; margin: 0; padding: 0;"><code><xs:element name="InterfaceClass" type="InterfaceFamilyType" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Class definition for interfaces.</xs:documentation> </xs:annotation> </xs:element></code></pre>																																																	
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd																																																	

Element CAEXFile / RoleClassLib

Namespace	No namespace
Annotations	Container element for a hierarchy of RoleClass definitions. It shall contain any RoleClass definitions. CAEX supports multiple role libraries.

Diagram



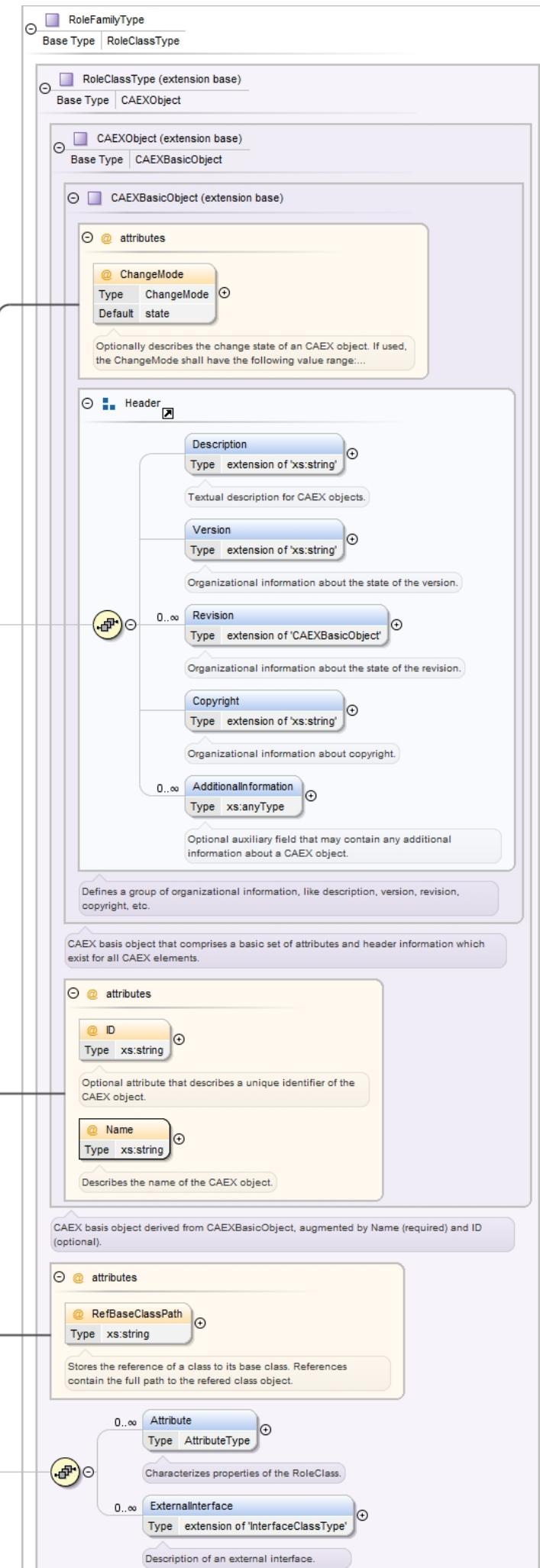
Type	extension of CAEXObject
Type hierarchy	<ul style="list-style-type: none"> • CAEXBasicObject • CAEXObject
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation* , RoleClass*

Children	AdditionalInformation, Copyright, Description, Revision, RoleClass, Version								
Instance	<pre><RoleClassLib ChangeMode="state" ID="" Name=""> <Description ChangeMode="state">{0,1}</Description> <Version ChangeMode="state">{0,1}</Version> <Revision ChangeMode="state">{0,unbounded}</Revision> <Copyright ChangeMode="state">{0,1}</Copyright> <AdditionalInformation>{0,unbounded}</AdditionalInformation> <RoleClass ChangeMode="state" ID="" Name="" RefBaseClassPath="">{0,unbounded}</RoleClass> </RoleClassLib></pre>								
Attributes	QName	Type	Fixed	Default	Use				
	ChangeMode	ChangeMode		state	optional				
		Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.							
	ID	xs:string			optional				
		Optional attribute that describes a unique identifier of the CAEX object.							
	Name	xs:string			required				
		Describes the name of the CAEX object.							
Source	<pre><xs:element name="RoleClassLib" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Container element for a hierarchy of RoleClass definitions. It shall contain any RoleClass definitions. CAEX supports multiple role libraries.</xs:documentation> </xs:annotation> <xs:complexType> <xs:extension base="CAEXObject"> <xs:sequence> <xs:element name="RoleClass" type="RoleFamilyType" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Definition of a class of a role type.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:extension> </xs:complexType> </xs:element></pre>								
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd								

Element CAEXFile / RoleClassLib / RoleClass

Namespace	No namespace
Annotations	Definition of a class of a role type.

Diagram



Type	RoleFamilyType																																																	
Type hierarchy	<ul style="list-style-type: none"> • CAEXBasicObject • CAEXObject • RoleClassType • RoleFamilyType 																																																	
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>																																																	
Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation* , Attribute* , ExternalInterface* , RoleClass*																																																	
Children	AdditionalInformation, Attribute, Copyright, Description, ExternalInterface, Revision, RoleClass, Version																																																	
Instance	<pre><RoleClass ChangeMode="state" ID="" Name="" RefBaseClassPath=""> <Description ChangeMode="state">{0,1}</Description> <Version ChangeMode="state">{0,1}</Version> <Revision ChangeMode="state">{0,unbounded}</Revision> <Copyright ChangeMode="state">{0,1}</Copyright> <AdditionalInformation>{0,unbounded}</AdditionalInformation> <Attribute AttributeDataType="" ChangeMode="state" ID="" Name="" Unit="">{0,unbounded}</Attribute> <ExternalInterface ChangeMode="state" ID="" Name="" RefBaseClassPath="">{0,unbounded}</ExternalInterface> <RoleClass ChangeMode="state" ID="" Name="" RefBaseClassPath="">{0,unbounded}</RoleClass> </RoleClass></pre>																																																	
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>ChangeMode</td> <td>ChangeMode</td> <td></td> <td>state</td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.</td></tr> <tr> <td>ID</td> <td>xs:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Optional attribute that describes a unique identifier of the CAEX object.</td></tr> <tr> <td>Name</td> <td>xs:string</td> <td></td> <td></td> <td>required</td> </tr> <tr> <td></td> <td colspan="4">Describes the name of the CAEX object.</td></tr> <tr> <td>RefBaseClassPath</td> <td>xs:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Stores the reference of a class to its base class. References contain the full path to the referred class object.</td></tr> </tbody> </table>					QName	Type	Fixed	Default	Use	ChangeMode	ChangeMode		state	optional		Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.				ID	xs:string			optional		Optional attribute that describes a unique identifier of the CAEX object.				Name	xs:string			required		Describes the name of the CAEX object.				RefBaseClassPath	xs:string			optional		Stores the reference of a class to its base class. References contain the full path to the referred class object.			
QName	Type	Fixed	Default	Use																																														
ChangeMode	ChangeMode		state	optional																																														
	Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.																																																	
ID	xs:string			optional																																														
	Optional attribute that describes a unique identifier of the CAEX object.																																																	
Name	xs:string			required																																														
	Describes the name of the CAEX object.																																																	
RefBaseClassPath	xs:string			optional																																														
	Stores the reference of a class to its base class. References contain the full path to the referred class object.																																																	
Source	<pre><x:element name="RoleClass" type="RoleFamilyType" minOccurs="0" maxOccurs="unbounded"> <x:annotation> <x:documentation>Definition of a class of a role type.</x:documentation> </x:annotation> </x:element></pre>																																																	
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd																																																	

Element CAEXFile / SystemUnitClassLib

Namespace	No namespace
Annotations	Container element for a hierarchy of SystemUnitClass definitions. It shall contain any SystemunitClass definitions. CAEX supports multiple SystemUnitClass libraries.

Diagram

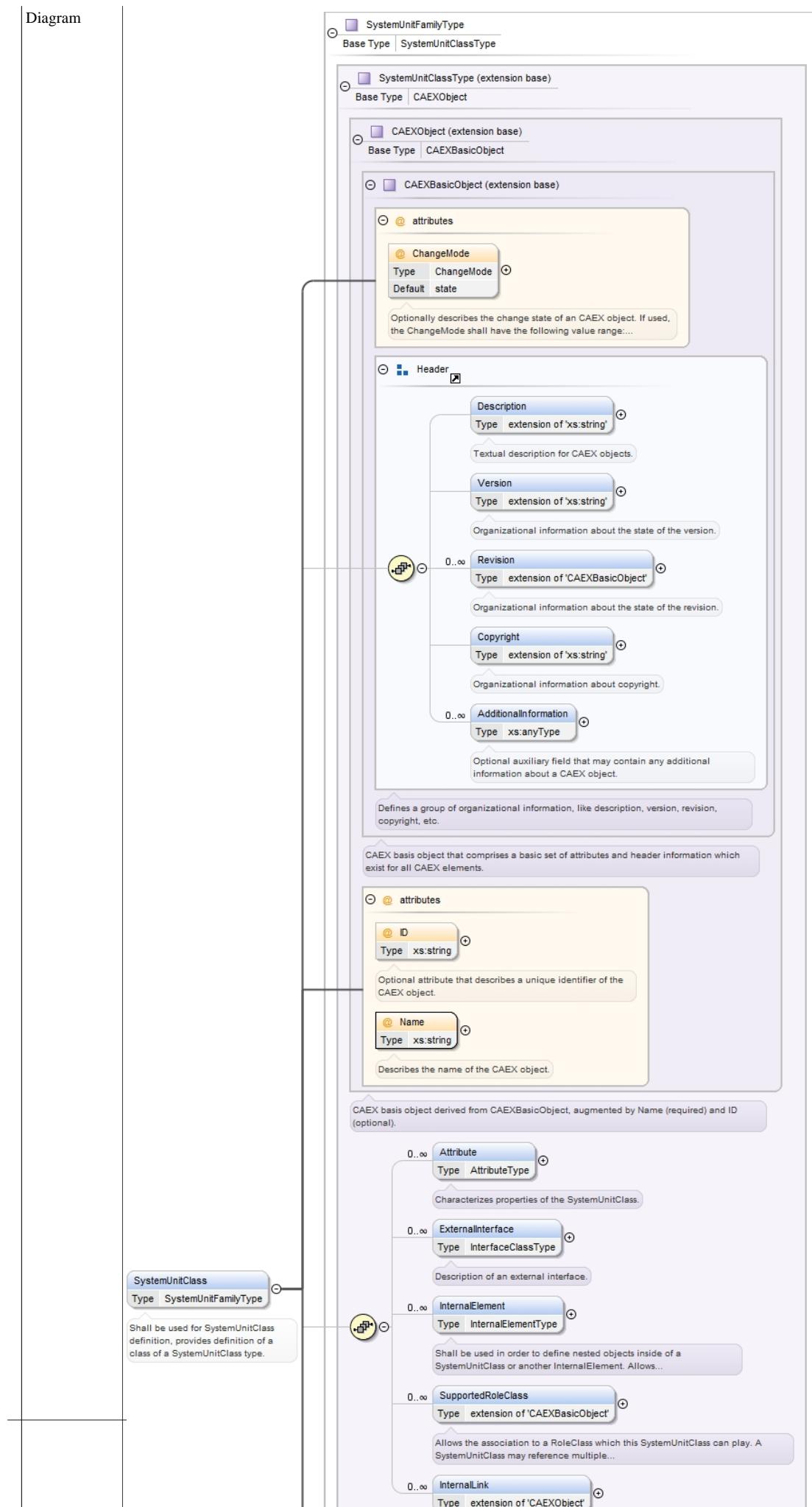


Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation* , SystemUnitClass*				
Children	AdditionalInformation, Copyright, Description, Revision, SystemUnitClass, Version				
Instance	<pre><SystemUnitClassLib ChangeMode="state" ID="" Name=""> <Description ChangeMode="state">{0,1}</Description> <Version ChangeMode="state">{0,1}</Version> <Revision ChangeMode="state">{0,unbounded}</Revision> <Copyright ChangeMode="state">{0,1}</Copyright> <AdditionalInformation>{0,unbounded}</AdditionalInformation> <SystemUnitClass ChangeMode="state" ID="" Name="" RefBaseClassPath="">{0,unbounded}</ SystemUnitClass> </SystemUnitClassLib></pre>				
Attributes	QName	Type	Fixed	Default	Use
	ChangeMode	ChangeMode		state	optional
		Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.			
	ID	xs:string			optional
		Optional attribute that describes a unique identifier of the CAEX object.			
	Name	xs:string			required
		Describes the name of the CAEX object.			
Source	<pre><xss:element name="SystemUnitClassLib" minOccurs="0" maxOccurs="unbounded"> <xss:annotation> <xss:documentation>Container element for a hierarchy of SystemUnitClass definitions. It shall contain any SystemunitClass definitions. CAEX supports multiple SystemUnitClass libraries.</ xss:documentation> </xss:annotation> <xss:complexType> <xss:complexContent> <xss:extension base="CAEXObject"> <xss:sequence> <xss:element name="SystemUnitClass" type="SystemUnitFamilyType" minOccurs="0" maxOccurs="unbounded"> <xss:annotation> <xss:documentation>Shall be used for SystemUnitClass definition, provides definition of a class of a SystemUnitClass type.</xss:documentation> </xss:annotation> </xss:element> </xss:sequence> </xss:extension> </xss:complexContent> </xss:complexType> </xss:element></pre>				
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd				

Element CAEXFile / SystemUnitClassLib / SystemUnitClass

Namespace	No namespace
Annotations	Shall be used for SystemUnitClass definition, provides definition of a class of a SystemUnitClass type.

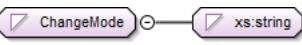
Schema documentation for CAEX_ClassModel_V2.15_16.05.2007.xsd



Type	SystemUnitFamilyType																																																
Type hierarchy	<ul style="list-style-type: none"> • CAEXBasicObject • CAEXObject • SystemUnitClassType • SystemUnitFamilyType 																																																
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td> <td style="padding: 2px;">complex</td> </tr> <tr> <td style="padding: 2px;">minOccurs:</td> <td style="padding: 2px;">0</td> </tr> <tr> <td style="padding: 2px;">maxOccurs:</td> <td style="padding: 2px;">unbounded</td> </tr> </table>					content:	complex	minOccurs:	0	maxOccurs:	unbounded																																						
content:	complex																																																
minOccurs:	0																																																
maxOccurs:	unbounded																																																
Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation* , Attribute* , ExternalInterface* , InternalElement* , SupportedRoleClass* , InternalLink* , SystemUnitClass*																																																
Children	AdditionalInformation, Attribute, Copyright, Description, ExternalInterface, InternalElement, InternalLink, Revision, SupportedRoleClass, SystemUnitClass, Version																																																
Instance	<pre style="font-family: monospace; font-size: small; margin: 0; padding: 0;"> <SystemUnitClass ChangeMode="state" ID="" Name="" RefBaseClassPath=""> <Description ChangeMode="state">{0,1}</Description> <Version ChangeMode="state">{0,1}</Version> <Revision ChangeMode="state">{0,unbounded}</Revision> <Copyright ChangeMode="state">{0,1}</Copyright> <AdditionalInformation>{0,unbounded}</AdditionalInformation> <Attribute AttributeDataType="" ChangeMode="state" ID="" Name="" Unit="">{0,unbounded}</Attribute> <ExternalInterface ChangeMode="state" ID="" Name="" RefBaseClassPath="">{0,unbounded}</ExternalInterface> <InternalElement ChangeMode="state" ID="" Name="" RefBaseSystemUnitPath="">{0,unbounded}</InternalElement> <SupportedRoleClass ChangeMode="state" RefRoleClassPath="">{0,unbounded}</SupportedRoleClass> <InternalLink ChangeMode="state" ID="" Name="" RefPartnerSideA="" RefPartnerSideB="">{0,unbounded}</InternalLink> <SystemUnitClass ChangeMode="state" ID="" Name="" RefBaseClassPath="">{0,unbounded}</SystemUnitClass> </SystemUnitClass> </pre>																																																
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">QName</th> <th style="width: 20%;">Type</th> <th style="width: 15%;">Fixed</th> <th style="width: 15%;">Default</th> <th style="width: 20%;">Use</th> </tr> </thead> <tbody> <tr> <td>ChangeMode</td><td>ChangeMode</td><td></td><td>state</td><td>optional</td></tr> <tr> <td></td><td colspan="4" style="text-align: center;">Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.</td></tr> <tr> <td>ID</td><td>xs:string</td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="4" style="text-align: center;">Optional attribute that describes a unique identifier of the CAEX object.</td></tr> <tr> <td>Name</td><td>xs:string</td><td></td><td></td><td>required</td></tr> <tr> <td></td><td colspan="4" style="text-align: center;">Describes the name of the CAEX object.</td></tr> <tr> <td>RefBaseClassPath</td><td>xs:string</td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="4" style="text-align: center;">Stores the reference of a class to its base class. References contain the full path to the referred class object.</td></tr> </tbody> </table>				QName	Type	Fixed	Default	Use	ChangeMode	ChangeMode		state	optional		Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.				ID	xs:string			optional		Optional attribute that describes a unique identifier of the CAEX object.				Name	xs:string			required		Describes the name of the CAEX object.				RefBaseClassPath	xs:string			optional		Stores the reference of a class to its base class. References contain the full path to the referred class object.			
QName	Type	Fixed	Default	Use																																													
ChangeMode	ChangeMode		state	optional																																													
	Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.																																																
ID	xs:string			optional																																													
	Optional attribute that describes a unique identifier of the CAEX object.																																																
Name	xs:string			required																																													
	Describes the name of the CAEX object.																																																
RefBaseClassPath	xs:string			optional																																													
	Stores the reference of a class to its base class. References contain the full path to the referred class object.																																																
Source	<pre style="font-family: monospace; font-size: small; margin: 0; padding: 0;"> <xs:element name="SystemUnitClass" type="SystemUnitFamilyType" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Shall be used for SystemUnitClass definition, provides definition of a class of a SystemUnitClass type.</xs:documentation> </xs:annotation> </xs:element> </pre>																																																
Schema location	file:///C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd																																																

Simple Type(s)

Simple Type **ChangeMode**

Namespace	No namespace
Diagram	 <div style="text-align: center; margin-top: 10px; border: 1px solid #ccc; padding: 5px; background-color: #f9f9f9;"> Built-in primitive type. The string datatype represents character strings in XML. </div>
Type	restriction of xs:string

Facets	enumeration state	
	enumeration create	
	enumeration delete	
	enumeration change	
Used by	Attributes	CAEXBasicObject/@ChangeMode, Header/@ChangeMode, Header/Copyright/@ChangeMode, Header/Description/@ChangeMode, Header/Version/@ChangeMode
Source		<pre><xs:simpleType name="ChangeMode"> <xs:restriction base="xs:string"> <xs:enumeration value="state"/> <xs:enumeration value="create"/> <xs:enumeration value="delete"/> <xs:enumeration value="change"/> </xs:restriction> </xs:simpleType></pre>
Schema location		file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd

Complex Type(s)

Complex Type CAEXBasicObject

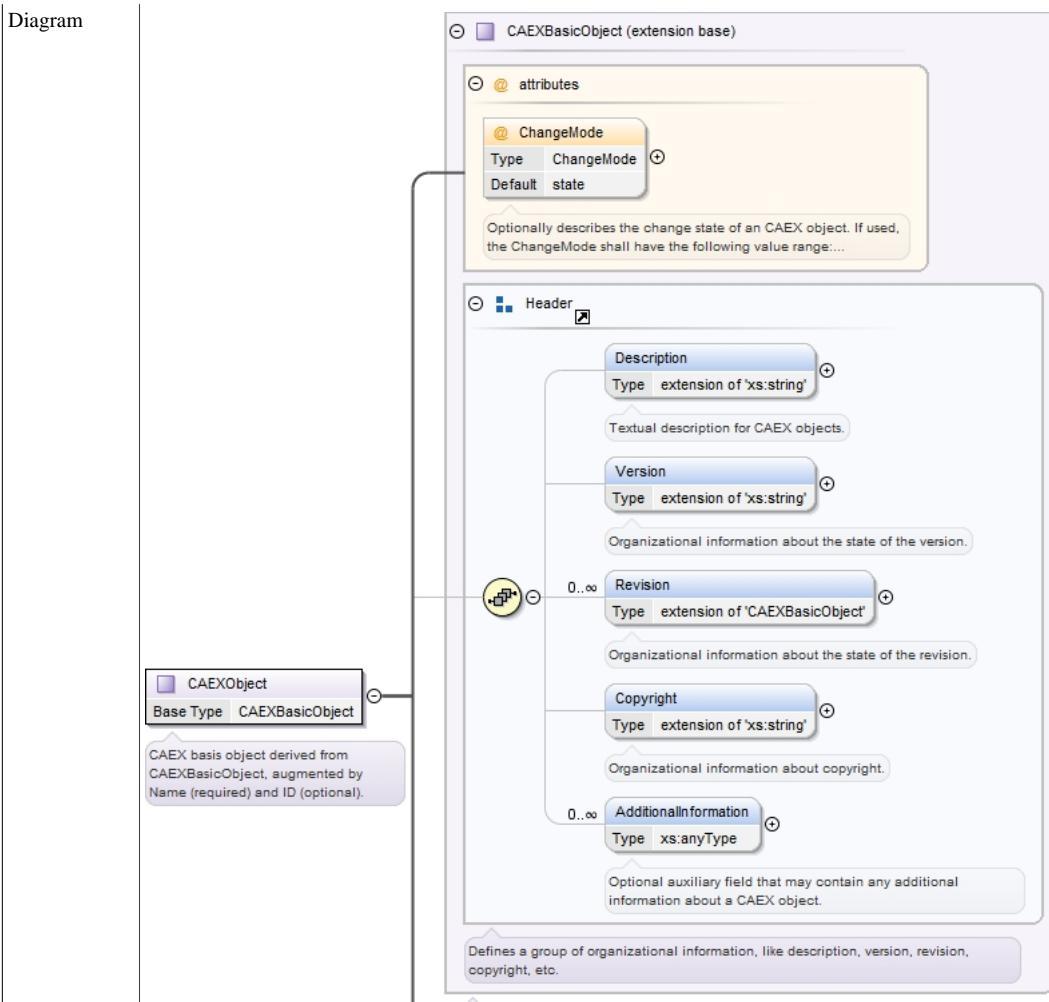
Namespace	No namespace				
Annotations	CAEX basis object that comprises a basic set of attributes and header information which exist for all CAEX elements.				
Diagram	<p>The diagram illustrates the structure of the CAEXBasicObject complex type. It features a central class box labeled "CAEXBasicObject". A line connects this class to a "Header" component, which is enclosed in a rounded rectangle. The "Header" component contains several attributes: "Description" (type: extension of 'xs:string'), "Version" (type: extension of 'xs:string'), "Revision" (type: extension of 'CAEXBasicObject', multiplicity: 0..oo), "Copyright" (type: extension of 'xs:string'), and "AdditionalInformation" (type: xs:anyType, multiplicity: 0..oo). Each attribute is accompanied by a brief description. Above the "Header" component is an "attributes" section containing a "ChangeMode" enumeration (type: ChangeMode, default: state). A note below the "ChangeMode" box specifies: " Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range....". A large callout box at the bottom right provides a general definition: "Defines a group of organizational information, like description, version, revision, copyright, etc."</p>				
Used by	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Elements</td> <td>AttributeType/RefSemantic, CAEXFile, CAEXFile/ExternalReference, Header/Revision, InternalElementType/RoleRequirements, MappingType/AttributeNameMapping, MappingType/InterfaceNameMapping, SystemUnitClassType/SupportedRoleClass</td> </tr> <tr> <td>Complex Types</td> <td>AttributeValueRequirementType, CAEXObject, MappingType</td> </tr> </table>	Elements	AttributeType/RefSemantic, CAEXFile, CAEXFile/ExternalReference, Header/Revision, InternalElementType/RoleRequirements, MappingType/AttributeNameMapping, MappingType/InterfaceNameMapping, SystemUnitClassType/SupportedRoleClass	Complex Types	AttributeValueRequirementType, CAEXObject, MappingType
Elements	AttributeType/RefSemantic, CAEXFile, CAEXFile/ExternalReference, Header/Revision, InternalElementType/RoleRequirements, MappingType/AttributeNameMapping, MappingType/InterfaceNameMapping, SystemUnitClassType/SupportedRoleClass				
Complex Types	AttributeValueRequirementType, CAEXObject, MappingType				
Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation*				

Children	AdditionalInformation, Copyright, Description, Revision, Version				
Attributes	QName	Type	Fixed	Default	Use
	ChangeMode	ChangeMode		state	optional
	Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.				
Source	<pre><xs:complexType name="CAEXBasicObject"> <xs:annotation> <xs:documentation>CAEX basis object that comprises a basic set of attributes and header information which exist for all CAEX elements.</xs:documentation> </xs:annotation> <xs:group ref="Header" minOccurs="0"/> <xs:attribute name="ChangeMode" type="ChangeMode" use="optional" default="state"> <xs:annotation> <xs:documentation>Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.</xs:documentation> </xs:annotation> </xs:attribute> </xs:complexType></pre>				
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd				

Complex Type CAEXObject

Namespace	No namespace
Annotations	CAEX basis object derived from CAEXBasicObject, augmented by Name (required) and ID (optional).

Diagram



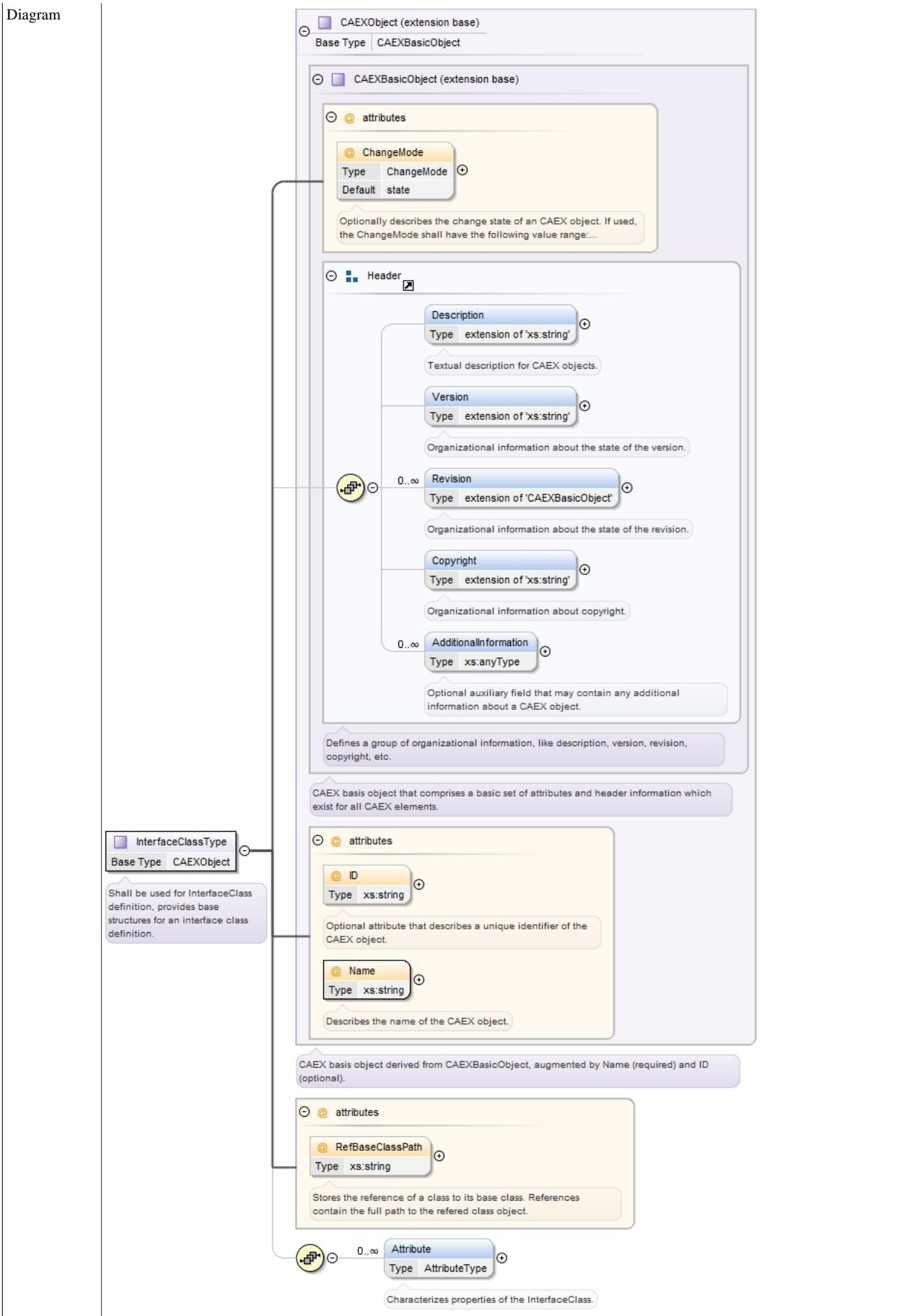
Type	extension of CAEXBasicObject				
Type hierarchy	<ul style="list-style-type: none"> • CAEXBasicObject • CAEXObject 				
Used by	Complex Types AttributeType, InterfaceClassType, RoleClassType, SystemUnitClassType Elements CAEXFile/InstanceHierarchy, CAEXFile/InterfaceClassLib, CAEXFile/RoleClassLib, CAEXFile/SystemUnitClassLib, SystemUnitClassType/InternalLink				
Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation*				
Children	AdditionalInformation, Copyright, Description, Revision, Version				
Attributes	QName ChangeMode	Type ChangeMode	Fixed 	Default state	Use optional
	Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create,				

	QName	Type	Fixed	Default	Use
delete and change. This information should be used for further change management applications.					
ID	xs:string				optional
Optional attribute that describes a unique identifier of the CAEX object.					
Name	xs:string				required
Describes the name of the CAEX object.					
Source	<pre> <xs:complexType name="CAEXObject"> <xs:annotation> <xs:documentation>CAEX basis object derived from CAEXBasicObject, augmented by Name (required) and ID (optional).</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="CAEXBasicObject"> <xs:attribute name="ID" type="xs:string" use="optional"> <xs:annotation> <xs:documentation>Optional attribute that describes a unique identifier of the CAEX object.</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="Name" type="xs:string" use="required"> <xs:annotation> <xs:documentation>Describes the name of the CAEX object.</xs:documentation> </xs:annotation> </xs:attribute> </xs:extension> </xs:complexContent> </xs:complexType></pre>				
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd				

Complex Type InterfaceClassType

Namespace	No namespace
Annotations	Shall be used for InterfaceClass definition, provides base structures for an interface class definition.

Diagram

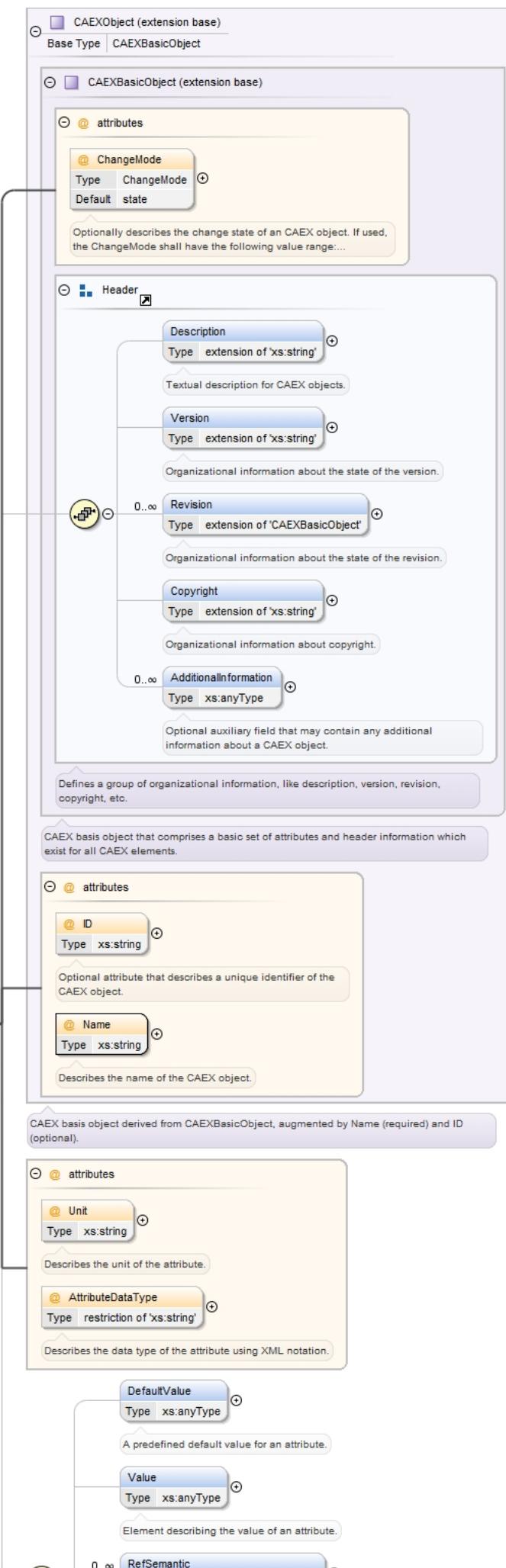


Type	extension of CAEXObject								
Type hierarchy	<ul style="list-style-type: none"> • CAEXBasicObject • CAEXObject • InterfaceClassType 								
Used by	Complex Type	InterfaceFamilyType							
	Elements	InternalElementType/RoleRequirements/ExternalInterface, RoleClassType/ExternalInterface, SystemUnitClassType/ExternalInterface							
Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation* , Attribute*								
Children	AdditionalInformation, Attribute, Copyright, Description, Revision, Version								
Attributes	QName	Type	Fixed	Default	Use				
	ChangeMode	ChangeMode		state	optional				
		Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.							
	ID	xs:string			optional				
		Optional attribute that describes a unique identifier of the CAEX object.							
	Name	xs:string			required				
		Describes the name of the CAEX object.							
Source	RefBaseClassPath	xs:string			optional				
		Stores the reference of a class to its base class. References contain the full path to the referred class object.							
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd								

Complex Type AttributeType

Namespace	No namespace
Annotations	Defines base structures for attribute definitions.

Diagram



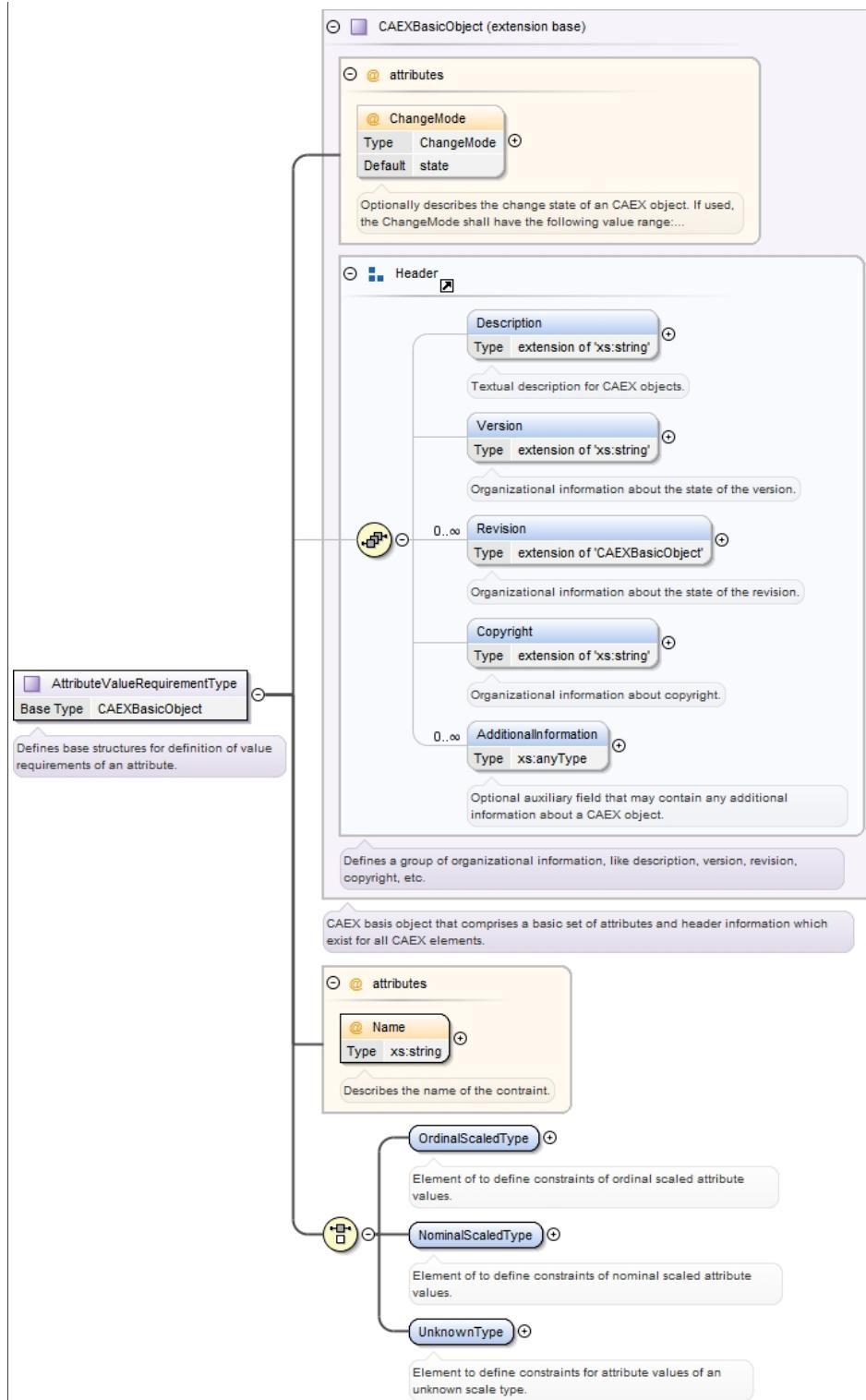
Type	extension of CAEXObject																																																											
Type hierarchy	<ul style="list-style-type: none"> • CAEXBasicObject • CAEXObject • AttributeType 																																																											
Used by	Elements	AttributeType/Attribute, InterfaceClassType/Attribute, InternalElementType/RoleRequirements/Attribute, RoleClassType/Attribute, SystemUnitClassType/Attribute																																																										
Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation* , DefaultValue{0,1} , Value{0,1} , RefSemantic* , Constraint* , Attribute*																																																											
Children	AdditionalInformation, Attribute, Constraint, Copyright, DefaultValue, Description, RefSemantic, Revision, Value, Version																																																											
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 20%;">QName</th> <th style="text-align: left; width: 20%;">Type</th> <th style="text-align: left; width: 20%;">Fixed</th> <th style="text-align: left; width: 20%;">Default</th> <th style="text-align: left; width: 20%;">Use</th> </tr> </thead> <tbody> <tr> <td>Attribute DataType</td><td>xs:string</td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="4">Describes the data type of the attribute using XML notation.</td></tr> <tr> <td>ChangeMode</td><td>ChangeMode</td><td></td><td>state</td><td>optional</td></tr> <tr> <td></td><td colspan="4">Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.</td></tr> <tr> <td>ID</td><td>xs:string</td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="4">Optional attribute that describes a unique identifier of the CAEX object.</td></tr> <tr> <td>Name</td><td>xs:string</td><td></td><td></td><td>required</td></tr> <tr> <td></td><td colspan="4">Describes the name of the CAEX object.</td></tr> <tr> <td>Unit</td><td>xs:string</td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="4">Describes the unit of the attribute.</td></tr> </tbody> </table>					QName	Type	Fixed	Default	Use	Attribute DataType	xs:string			optional		Describes the data type of the attribute using XML notation.				ChangeMode	ChangeMode		state	optional		Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.				ID	xs:string			optional		Optional attribute that describes a unique identifier of the CAEX object.				Name	xs:string			required		Describes the name of the CAEX object.				Unit	xs:string			optional		Describes the unit of the attribute.			
QName	Type	Fixed	Default	Use																																																								
Attribute DataType	xs:string			optional																																																								
	Describes the data type of the attribute using XML notation.																																																											
ChangeMode	ChangeMode		state	optional																																																								
	Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.																																																											
ID	xs:string			optional																																																								
	Optional attribute that describes a unique identifier of the CAEX object.																																																											
Name	xs:string			required																																																								
	Describes the name of the CAEX object.																																																											
Unit	xs:string			optional																																																								
	Describes the unit of the attribute.																																																											
Source	<pre> <xs:complexType name="AttributeType"> <xs:annotation> <xs:documentation>Defines base structures for attribute definitions.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="CAEXObject"> <xs:sequence minOccurs="0"> <xs:element name="DefaultValue" type="xs:anyType" minOccurs="0"> <xs:annotation> <xs:documentation>A predefined default value for an attribute.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="Value" type="xs:anyType" minOccurs="0"> <xs:annotation> <xs:documentation>Element describing the value of an attribute.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="RefSemantic" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>A reference to a definition of a defined attribute, e. g. to an attribute in a standardized library, this allows the semantic definition of the attribute.</xs:documentation> </xs:annotation> </xs:element> <xs:complexType> <xs:complexContent> <xs:extension base="CAEXBasicObject"> <xs:attribute name="CorrespondingAttributePath" type="xs:string" use="required"/> </xs:extension> </xs:complexContent> </xs:complexType> </xs:sequence> </xs:extension> </xs:complexContent> <xs:element name="Constraint" type="AttributeValueRequirementType" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Element to restrict the range of validity of a defined attribute.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="Attribute" type="AttributeType" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Element that allows the description of nested attributes.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence></pre>																																																											

	<pre> <xs:attribute name="Unit" type="xs:string" use="optional"> <xs:annotation> <xs:documentation>Describes the unit of the attribute.</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="Attribute DataType" use="optional"> <xs:annotation> <xs:documentation>Describes the data type of the attribute using XML notation.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string" /> </xs:simpleType> </xs:attribute> </xs:extension> </xs:complexContent> </xs:complexType> </pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd

Complex Type AttributeValueRequirementType

Namespace	No namespace
Annotations	Defines base structures for definition of value requirements of an attribute.

Diagram



Type	extension of CAEXBasicObject
Type hierarchy	<ul style="list-style-type: none"> • CAEXBasicObject • AttributeValueRequirementType
Used by	Element AttributeType/Constraint
Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation* , (OrdinalScaledType NominalScaledType UnknownType)
Children	AdditionalInformation, Copyright, Description, NominalScaledType, OrdinalScaledType, Revision, UnknownType, Version

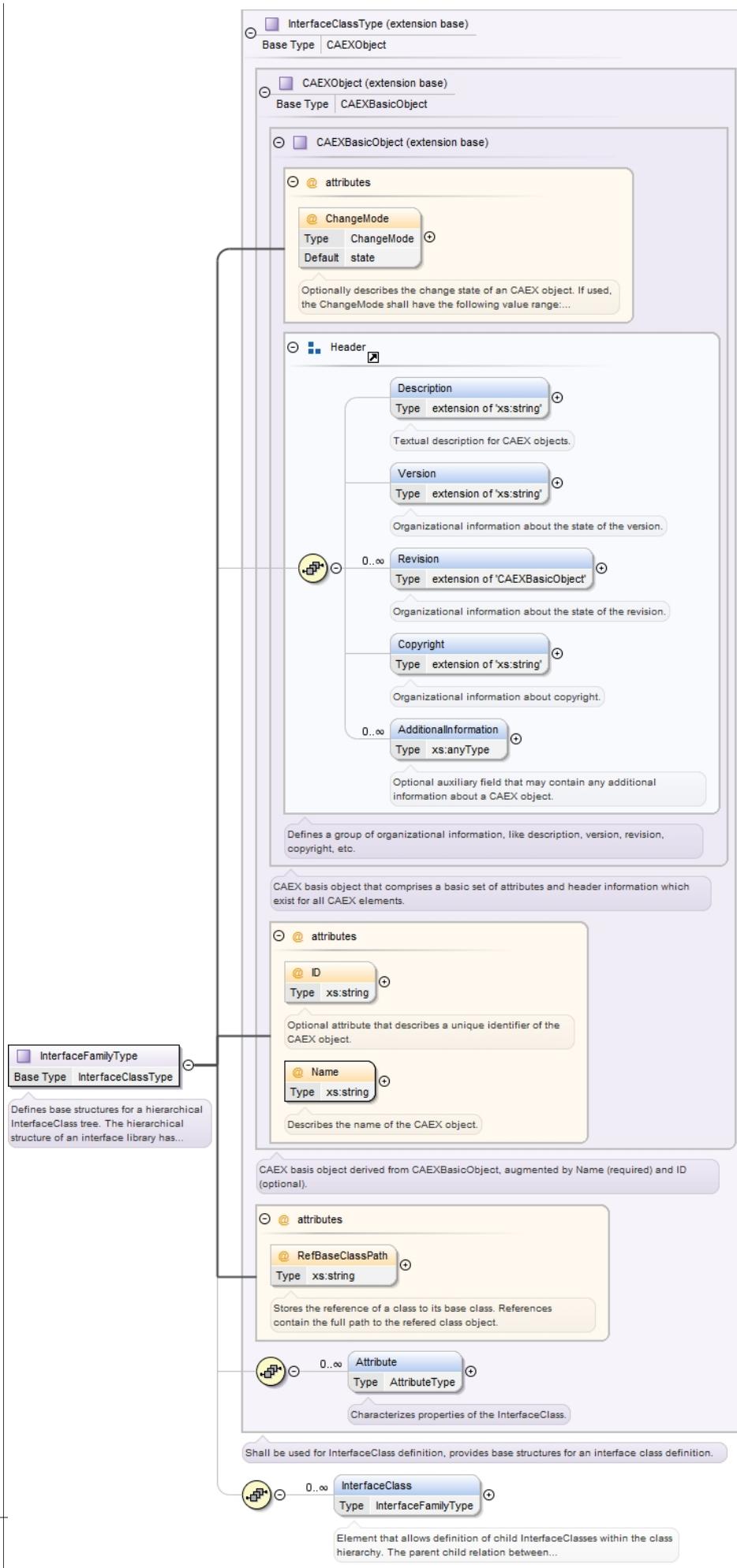
Attributes	QName	Type	Fixed	Default	Use
	ChangeMode	ChangeMode		state	optional
		Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.			
	Name	xs:string			required
		Describes the name of the constraint.			
Source	<pre> <xs:complexType name="AttributeValueRequirementType"> <xs:annotation> <xs:documentation>Defines base structures for definition of value requirements of an attribute.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="CAEXBasicObject"> <xs:choice> <xs:element name="OrdinalScaledType"> <xs:annotation> <xs:documentation>Element of to define constraints of ordinal scaled attribute values.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence minOccurs="0"> <xs:element name="RequiredMaxValue" type="xs:anyType" minOccurs="0"> <xs:annotation> <xs:documentation>Element to define a maximum value of an attribute.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="RequiredValue" type="xs:anyType" minOccurs="0"> <xs:annotation> <xs:documentation>Element to define a required value of an attribute.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="RequiredMinValue" type="xs:anyType" minOccurs="0"> <xs:annotation> <xs:documentation>Element to define a minimum value of an attribute.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="NominalScaledType"> <xs:annotation> <xs:documentation>Element of to define constraints of nominal scaled attribute values.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence minOccurs="0"> <xs:element name="RequiredValue" type="xs:anyType" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Element to define a required value of an attribute. It may be defined multiple times in order to define a discrete value range of the attribute.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="UnknownType"> <xs:annotation> <xs:documentation>Element to define constraints for attribute values of an unknown scale type.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence minOccurs="0"> <xs:element name="Requirements" type="xs:string"> <xs:annotation> <xs:documentation>Defines informative requirements as a constraint for an attribute value.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </xs:choice> </xs:extension> </xs:complexContent> </xs:complexType> </pre>				

	<pre><xs:attribute name="Name" type="xs:string" use="required"> <xs:annotation> <xs:documentation>Describes the name of the constraint.</xs:documentation> </xs:annotation> </xs:attribute> </xs:extension> </xs:complexContent> </xs:complexType></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd

Complex Type InterfaceFamilyType

Namespace	No namespace
Annotations	Defines base structures for a hierarchical InterfaceClass tree. The hierarchical structure of an interface library has organizational character only.

Diagram

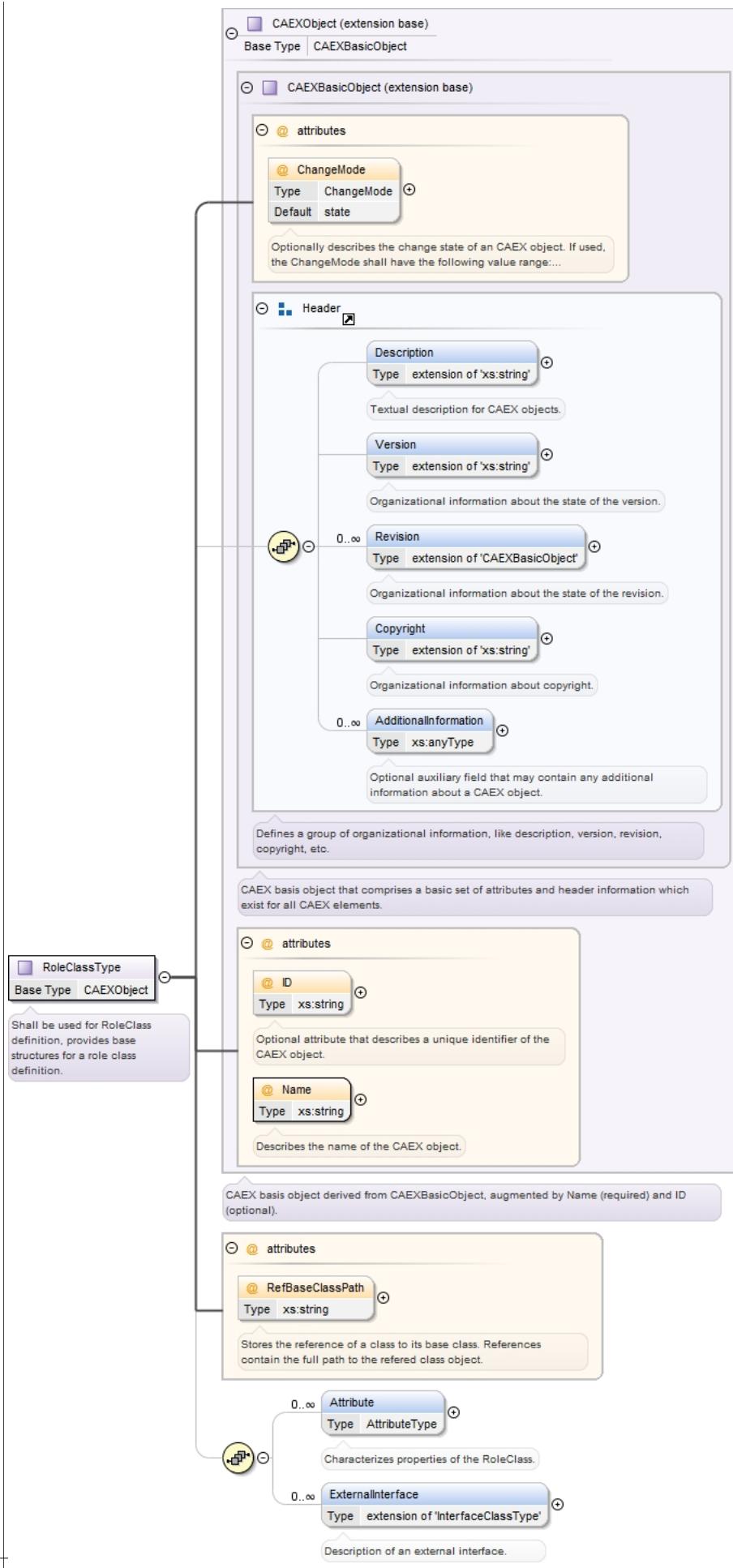


Type	extension of InterfaceClassType																																																	
Type hierarchy	<ul style="list-style-type: none"> • CAEXBasicObject • CAEXObject • InterfaceClassType • InterfaceFamilyType 																																																	
Used by	Elements CAEXFile/InterfaceClassLib/InterfaceClass, InterfaceFamilyType/InterfaceClass																																																	
Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation* , Attribute* , InterfaceClass*																																																	
Children	AdditionalInformation, Attribute, Copyright, Description, InterfaceClass, Revision, Version																																																	
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>ChangeMode</td> <td>ChangeMode</td> <td></td> <td>state</td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.</td></tr> <tr> <td>ID</td> <td>xs:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Optional attribute that describes a unique identifier of the CAEX object.</td></tr> <tr> <td>Name</td> <td>xs:string</td> <td></td> <td></td> <td>required</td> </tr> <tr> <td></td> <td colspan="4">Describes the name of the CAEX object.</td></tr> <tr> <td>RefBaseClassPath</td> <td>xs:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Stores the reference of a class to its base class. References contain the full path to the referred class object.</td></tr> </tbody> </table>					QName	Type	Fixed	Default	Use	ChangeMode	ChangeMode		state	optional		Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.				ID	xs:string			optional		Optional attribute that describes a unique identifier of the CAEX object.				Name	xs:string			required		Describes the name of the CAEX object.				RefBaseClassPath	xs:string			optional		Stores the reference of a class to its base class. References contain the full path to the referred class object.			
QName	Type	Fixed	Default	Use																																														
ChangeMode	ChangeMode		state	optional																																														
	Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.																																																	
ID	xs:string			optional																																														
	Optional attribute that describes a unique identifier of the CAEX object.																																																	
Name	xs:string			required																																														
	Describes the name of the CAEX object.																																																	
RefBaseClassPath	xs:string			optional																																														
	Stores the reference of a class to its base class. References contain the full path to the referred class object.																																																	
Source	<pre><xs:complexType name="InterfaceFamilyType"> <xs:annotation> <xs:documentation>Defines base structures for a hierarchical InterfaceClass tree. The hierarchical structure of an interface library has organizational character only.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="InterfaceClassType"> <xs:sequence minOccurs="0"> <xs:element name="InterfaceClass" type="InterfaceFamilyType" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Element that allows definition of child InterfaceClasses within the class hierarchy. The parent child relation between two InterfaceClasses has no semantic.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType></pre>																																																	
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd																																																	

Complex Type RoleClassType

Namespace	No namespace
Annotations	Shall be used for RoleClass definition, provides base structures for a role class definition.

Diagram

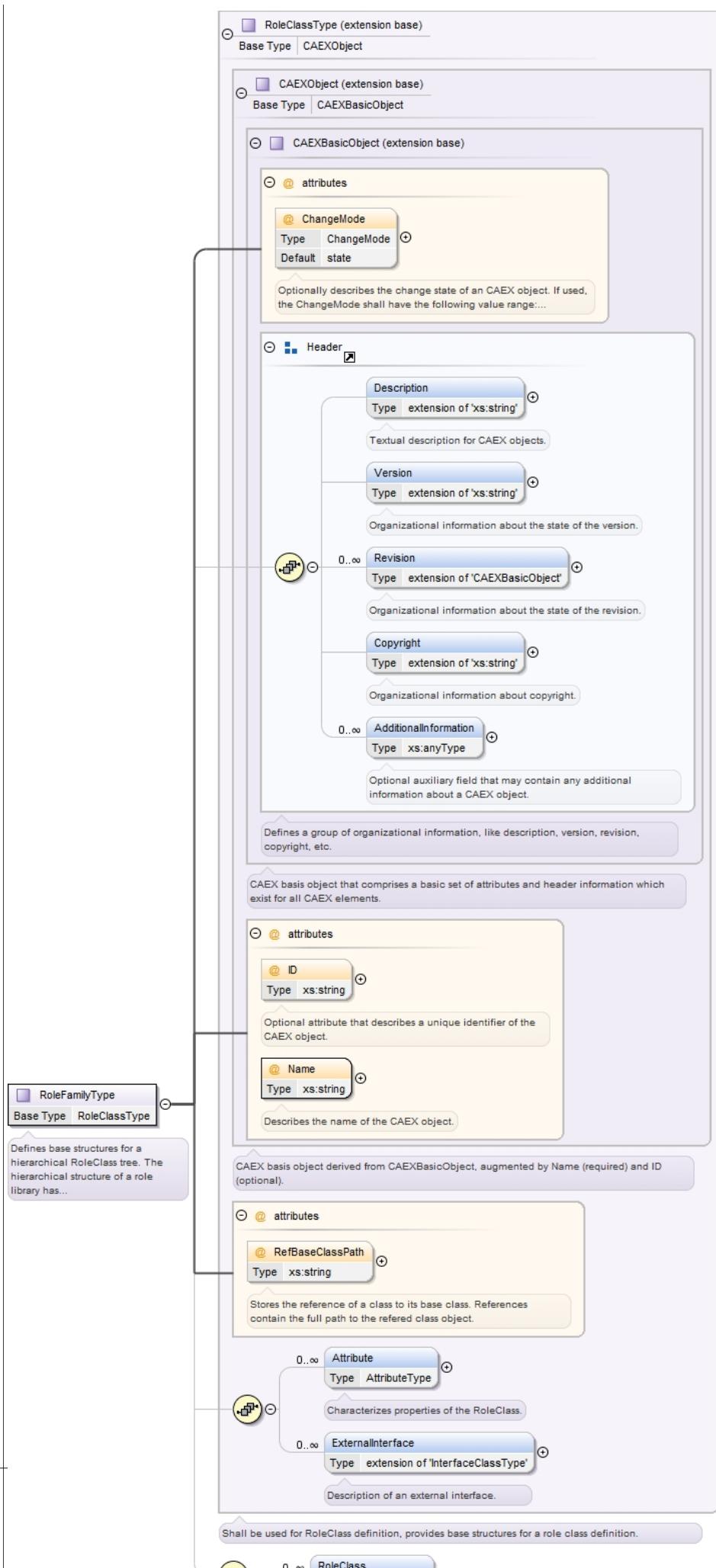


Type	extension of CAEXObject																																																	
Type hierarchy	<ul style="list-style-type: none"> • CAEXBasicObject • CAEXObject • RoleClassType 																																																	
Used by	Complex Type RoleFamilyType																																																	
Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation* , Attribute* , ExternalInterface*																																																	
Children	AdditionalInformation, Attribute, Copyright, Description, ExternalInterface, Revision, Version																																																	
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>ChangeMode</td> <td>ChangeMode</td> <td></td> <td>state</td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.</td></tr> <tr> <td>ID</td> <td>xs:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Optional attribute that describes a unique identifier of the CAEX object.</td></tr> <tr> <td>Name</td> <td>xs:string</td> <td></td> <td></td> <td>required</td> </tr> <tr> <td></td> <td colspan="4">Describes the name of the CAEX object.</td></tr> <tr> <td>RefBaseClassPath</td> <td>xs:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Stores the reference of a class to its base class. References contain the full path to the referred class object.</td></tr> </tbody> </table>					QName	Type	Fixed	Default	Use	ChangeMode	ChangeMode		state	optional		Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.				ID	xs:string			optional		Optional attribute that describes a unique identifier of the CAEX object.				Name	xs:string			required		Describes the name of the CAEX object.				RefBaseClassPath	xs:string			optional		Stores the reference of a class to its base class. References contain the full path to the referred class object.			
QName	Type	Fixed	Default	Use																																														
ChangeMode	ChangeMode		state	optional																																														
	Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.																																																	
ID	xs:string			optional																																														
	Optional attribute that describes a unique identifier of the CAEX object.																																																	
Name	xs:string			required																																														
	Describes the name of the CAEX object.																																																	
RefBaseClassPath	xs:string			optional																																														
	Stores the reference of a class to its base class. References contain the full path to the referred class object.																																																	
Source	<pre> <xs:complexType name="RoleClassType"> <xs:annotation> <xs:documentation>Shall be used for RoleClass definition, provides base structures for a role class definition.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="CAEXObject"> <xs:sequence minOccurs="0"> <xs:element name="Attribute" type="AttributeType" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Characterizes properties of the RoleClass.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="ExternalInterface" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Description of an external interface.</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="InterfaceClassType"/> </xs:complexContent> </xs:complexType> </xs:element> </xs:sequence> <xs:attribute name="RefBaseClassPath" type="xs:string" use="optional"> <xs:annotation> <xs:documentation>Stores the reference of a class to its base class. References contain the full path to the referred class object.</xs:documentation> </xs:annotation> </xs:attribute> </xs:extension> </xs:complexContent> </xs:complexType> </pre>																																																	
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd																																																	

Complex Type RoleFamilyType

Namespace	No namespace
Annotations	Defines base structures for a hierarchical RoleClass tree. The hierarchical structure of a role library has organizational character only.

Diagram

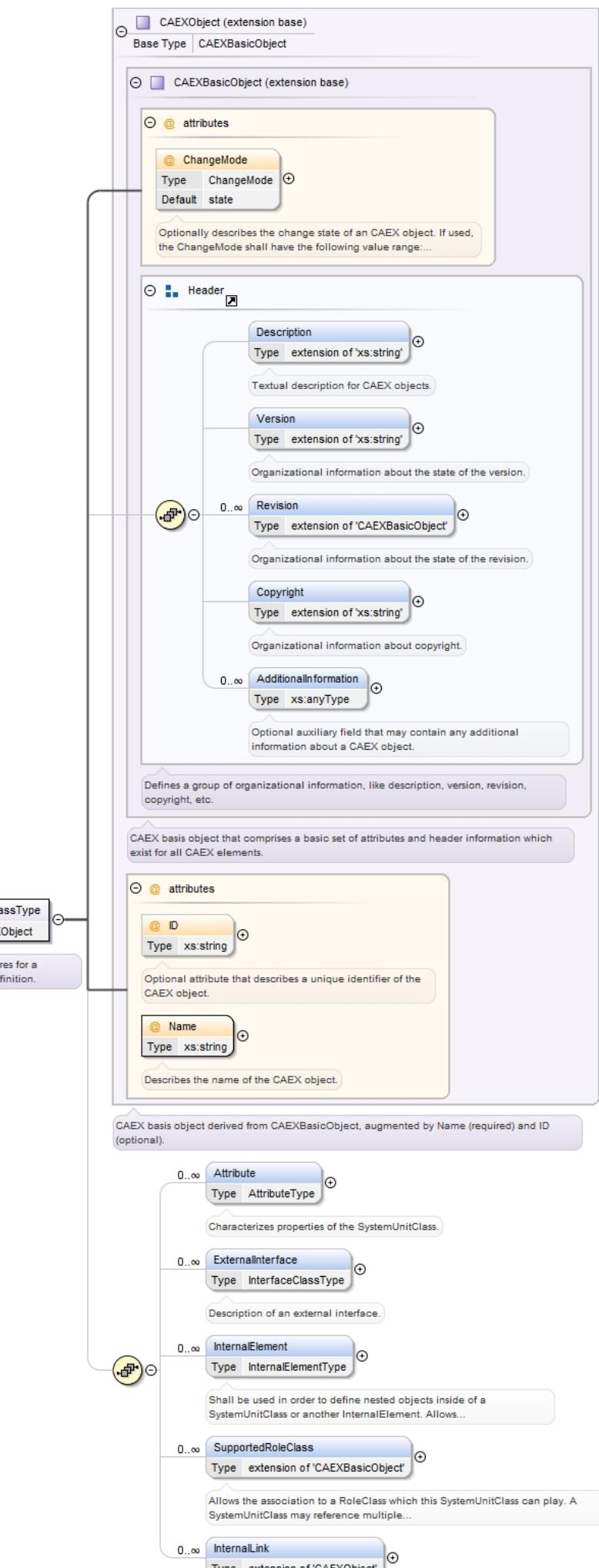


Type	extension of RoleClassType																																																	
Type hierarchy	<ul style="list-style-type: none"> • CAEXBasicObject • CAEXObject • RoleClassType • RoleFamilyType 																																																	
Used by	Elements CAEXFile/RoleClassLib/RoleClass, RoleFamilyType/RoleClass																																																	
Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation* , Attribute* , ExternalInterface* , RoleClass*																																																	
Children	AdditionalInformation, Attribute, Copyright, Description, ExternalInterface, Revision, RoleClass, Version																																																	
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">QName</th> <th style="text-align: left; padding: 2px;">Type</th> <th style="text-align: left; padding: 2px;">Fixed</th> <th style="text-align: left; padding: 2px;">Default</th> <th style="text-align: left; padding: 2px;">Use</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">ChangeMode</td><td style="padding: 2px;">ChangeMode</td><td style="padding: 2px;"></td><td style="padding: 2px;">state</td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;"></td><td colspan="4" style="padding: 2px;">Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.</td></tr> <tr> <td style="padding: 2px;">ID</td><td style="padding: 2px;">xs:string</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;"></td><td colspan="4" style="padding: 2px;">Optional attribute that describes a unique identifier of the CAEX object.</td></tr> <tr> <td style="padding: 2px;">Name</td><td style="padding: 2px;">xs:string</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">required</td></tr> <tr> <td style="padding: 2px;"></td><td colspan="4" style="padding: 2px;">Describes the name of the CAEX object.</td></tr> <tr> <td style="padding: 2px;">RefBaseClassPath</td><td style="padding: 2px;">xs:string</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;"></td><td colspan="4" style="padding: 2px;">Stores the reference of a class to its base class. References contain the full path to the referred class object.</td></tr> </tbody> </table>					QName	Type	Fixed	Default	Use	ChangeMode	ChangeMode		state	optional		Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.				ID	xs:string			optional		Optional attribute that describes a unique identifier of the CAEX object.				Name	xs:string			required		Describes the name of the CAEX object.				RefBaseClassPath	xs:string			optional		Stores the reference of a class to its base class. References contain the full path to the referred class object.			
QName	Type	Fixed	Default	Use																																														
ChangeMode	ChangeMode		state	optional																																														
	Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.																																																	
ID	xs:string			optional																																														
	Optional attribute that describes a unique identifier of the CAEX object.																																																	
Name	xs:string			required																																														
	Describes the name of the CAEX object.																																																	
RefBaseClassPath	xs:string			optional																																														
	Stores the reference of a class to its base class. References contain the full path to the referred class object.																																																	
Source	<pre style="font-family: monospace; font-size: small; margin: 0;"> <xs:complexType name="RoleFamilyType"> <xs:annotation> <xs:documentation>Defines base structures for a hierarchical RoleClass tree. The hierarchical structure of a role library has organizational character only.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="RoleClassType"> <xs:sequence minOccurs="0"> <xs:element name="RoleClass" type="RoleFamilyType" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Element that allows definition of child RoleClasses within the class hierarchy. The parent child relation between two RoleClasses has no semantic.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>																																																	
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd																																																	

Complex Type SystemUnitClassType

Namespace	No namespace
Annotations	Defines base structures for a SystemUnit class definition.

Diagram



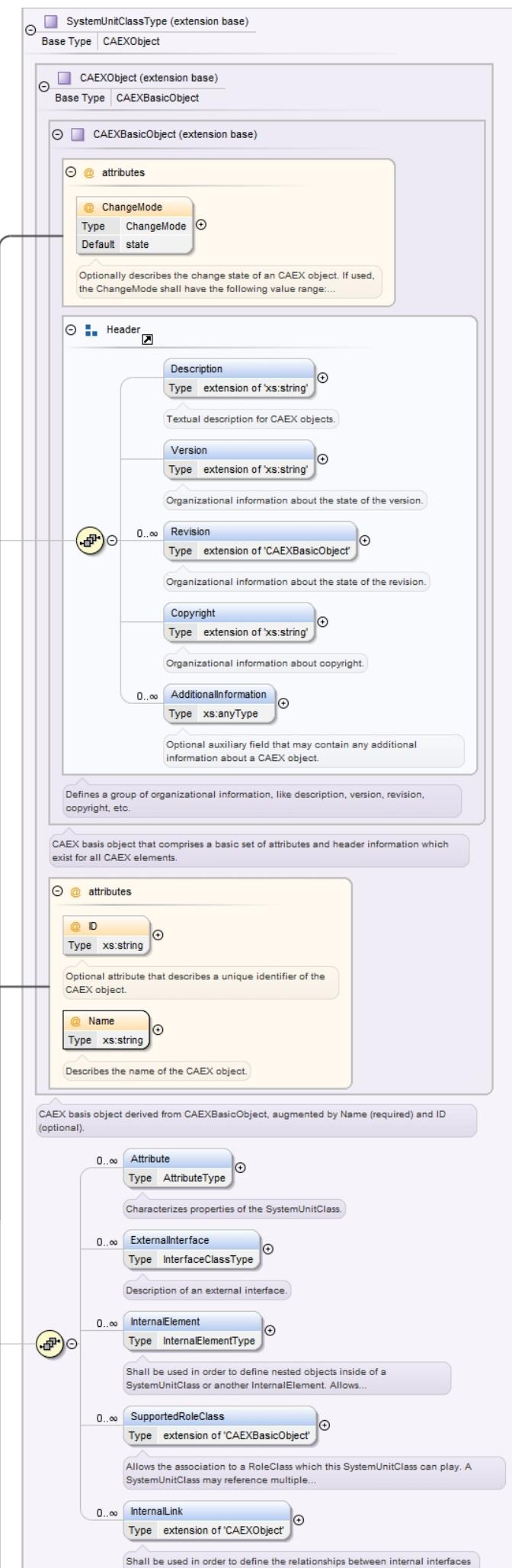
Type	extension of CAEXObject																																			
Type hierarchy	<ul style="list-style-type: none"> • CAEXBasicObject • CAEXObject • SystemUnitClassType 																																			
Used by	Complex Types InternalElementType, SystemUnitFamilyType																																			
Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation* , Attribute* , ExternalInterface* , InternalElement* , SupportedRoleClass* , InternalLink*																																			
Children	AdditionalInformation, Attribute, Copyright, Description, ExternalInterface, InternalElement, InternalLink, Revision, SupportedRoleClass, Version																																			
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">QName</th> <th style="text-align: left; padding: 2px;">Type</th> <th style="text-align: left; padding: 2px;">Fixed</th> <th style="text-align: left; padding: 2px;">Default</th> <th style="text-align: left; padding: 2px;">Use</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">ChangeMode</td><td style="padding: 2px;">ChangeMode</td><td style="padding: 2px;"></td><td style="padding: 2px;">state</td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;"></td><td colspan="4" style="padding: 2px;">Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.</td></tr> <tr> <td style="padding: 2px;">ID</td><td style="padding: 2px;">xs:string</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;"></td><td colspan="4" style="padding: 2px;">Optional attribute that describes a unique identifier of the CAEX object.</td></tr> <tr> <td style="padding: 2px;">Name</td><td style="padding: 2px;">xs:string</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">required</td></tr> <tr> <td style="padding: 2px;"></td><td colspan="4" style="padding: 2px;">Describes the name of the CAEX object.</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	ChangeMode	ChangeMode		state	optional		Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.				ID	xs:string			optional		Optional attribute that describes a unique identifier of the CAEX object.				Name	xs:string			required		Describes the name of the CAEX object.			
QName	Type	Fixed	Default	Use																																
ChangeMode	ChangeMode		state	optional																																
	Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.																																			
ID	xs:string			optional																																
	Optional attribute that describes a unique identifier of the CAEX object.																																			
Name	xs:string			required																																
	Describes the name of the CAEX object.																																			
Source	<pre> <xss:complexType name="SystemUnitClassType"> <xss:annotation> <xss:documentation>Defines base structures for a SystemUnit class definition.</xss:documentation> </xss:annotation> <xss:complexContent> <xss:extension bases="CAEXObject"> <xss:sequence minOccurs="0"> <xss:element name="Attribute" type="AttributeType" minOccurs="0" maxOccurs="unbounded"> <xss:annotation> <xss:documentation>Characterizes properties of the SystemUnitClass.</xss:documentation> </xss:annotation> </xss:element> <xss:element name="ExternalInterface" type="InterfaceClassType" minOccurs="0" maxOccurs="unbounded"> <xss:annotation> <xss:documentation>Description of an external interface.</xss:documentation> </xss:annotation> </xss:element> <xss:element name="InternalElement" type="InternalElementType" minOccurs="0" maxOccurs="unbounded"> <xss:annotation> <xss:documentation>Shall be used in order to define nested objects inside of a SystemUnitClass or another InternalElement. Allows description of the internal structure of an CAEX object.</xss:documentation> </xss:annotation> </xss:element> <xss:element name="SupportedRoleClass" minOccurs="0" maxOccurs="unbounded"> <xss:annotation> <xss:documentation>Allows the association to a RoleClass which this SystemUnitClass can play. A SystemUnitClass may reference multiple roles.</xss:documentation> </xss:annotation> <xss:complexType> <xss:complexContent> <xss:extension base="CAEXBasicObject"> <xss:sequence minOccurs="0"> <xss:element name="MappingObject" type="MappingType" minOccurs="0" /> </xss:sequence> <xss:attribute name="RefRoleClassPath" type="xs:string" use="required" /> </xss:extension> </xss:complexContent> </xss:complexType> <xss:element name="InternalLink" minOccurs="0" maxOccurs="unbounded"> <xss:annotation> <xss:documentation>Shall be used in order to define the relationships between internal interfaces of InternalElements.</xss:documentation> </xss:annotation> <xss:complexType> <xss:complexContent> <xss:extension base="CAEXObject"> <xss:attribute name="RefPartnerSideA" type="xs:string" use="optional" /> </xss:extension> </xss:complexContent> </xss:complexType> </xss:sequence> </xss:extension> </xss:complexContent> </xss:complexType> </pre>																																			

	<pre><xs:attribute name="RefPartnerSideB" type="xs:string" use="optional"/> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd

Complex Type InternalElementType

Namespace	No namespace
-----------	--------------

Diagram



Type	extension of SystemUnitClassType																																																	
Type hierarchy	<ul style="list-style-type: none"> • CAEXBasicObject • CAEXObject • SystemUnitClassType • InternalElementType 																																																	
Used by	Elements CAEXFile/InstanceHierarchy/InternalElement, SystemUnitClassType/InternalElement																																																	
Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation* , Attribute* , ExternalInterface* , InternalElement* , SupportedRoleClass* , InternalLink* , RoleRequirements{0,1} , MappingObject{0,1}																																																	
Children	AdditionalInformation, Attribute, Copyright, Description, ExternalInterface, InternalElement, InternalLink, MappingObject, Revision, RoleRequirements, SupportedRoleClass, Version																																																	
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>ChangeMode</td><td>ChangeMode</td><td></td><td>state</td><td>optional</td></tr> <tr> <td></td><td colspan="4">Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.</td></tr> <tr> <td>ID</td><td>xs:string</td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="4">Optional attribute that describes a unique identifier of the CAEX object.</td></tr> <tr> <td>Name</td><td>xs:string</td><td></td><td></td><td>required</td></tr> <tr> <td></td><td colspan="4">Describes the name of the CAEX object.</td></tr> <tr> <td>RefBaseSystemUnitPath</td><td>xs:string</td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="4">Stores the reference of an InternalElement to a class or instance definition. References contain the full path information.</td></tr> </tbody> </table>					QName	Type	Fixed	Default	Use	ChangeMode	ChangeMode		state	optional		Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.				ID	xs:string			optional		Optional attribute that describes a unique identifier of the CAEX object.				Name	xs:string			required		Describes the name of the CAEX object.				RefBaseSystemUnitPath	xs:string			optional		Stores the reference of an InternalElement to a class or instance definition. References contain the full path information.			
QName	Type	Fixed	Default	Use																																														
ChangeMode	ChangeMode		state	optional																																														
	Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.																																																	
ID	xs:string			optional																																														
	Optional attribute that describes a unique identifier of the CAEX object.																																																	
Name	xs:string			required																																														
	Describes the name of the CAEX object.																																																	
RefBaseSystemUnitPath	xs:string			optional																																														
	Stores the reference of an InternalElement to a class or instance definition. References contain the full path information.																																																	
Source	<pre> <xs:complexType name="InternalElementType"> <xs:complexContent> <xs:extension base="SystemUnitClassType"> <xs:sequence minOccurs="0"> <xs:element name="RoleRequirements" minOccurs="0"> <xs:annotation> <xs:documentation>Describes role requirements of an InternalElement. It allows the definition of a reference to a RoleClass and the specification of role requirements like required attributes and required interfaces.</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="CAEXBasicObject"> <xs:sequence> <xs:element name="Attribute" type="AttributeType" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Characterizes properties of the RoleRequirements.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="ExternalInterface" type="InterfaceClassType" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> <xs:attribute name="RefBaseRoleClassPath" type="xs:string" use="optional"/> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> <xs:element name="MappingObject" type="MappingType" minOccurs="0"> <xs:annotation> <xs:documentation>Host element for AttributeNameMapping and InterfaceNameMapping.</xs:documentation> </xs:annotation> </xs:element> <xs:sequence> <xs:attribute name="RefBaseSystemUnitPath" type="xs:string" use="optional"> <xs:annotation> <xs:documentation>Stores the reference of an InternalElement to a class or instance definition. References contain the full path information.</xs:documentation> </xs:annotation> </xs:attribute> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>																																																	

Schema location

file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/
CAEX_ClassModel_V2.15_16.05.2007.xsd

Complex Type MappingType

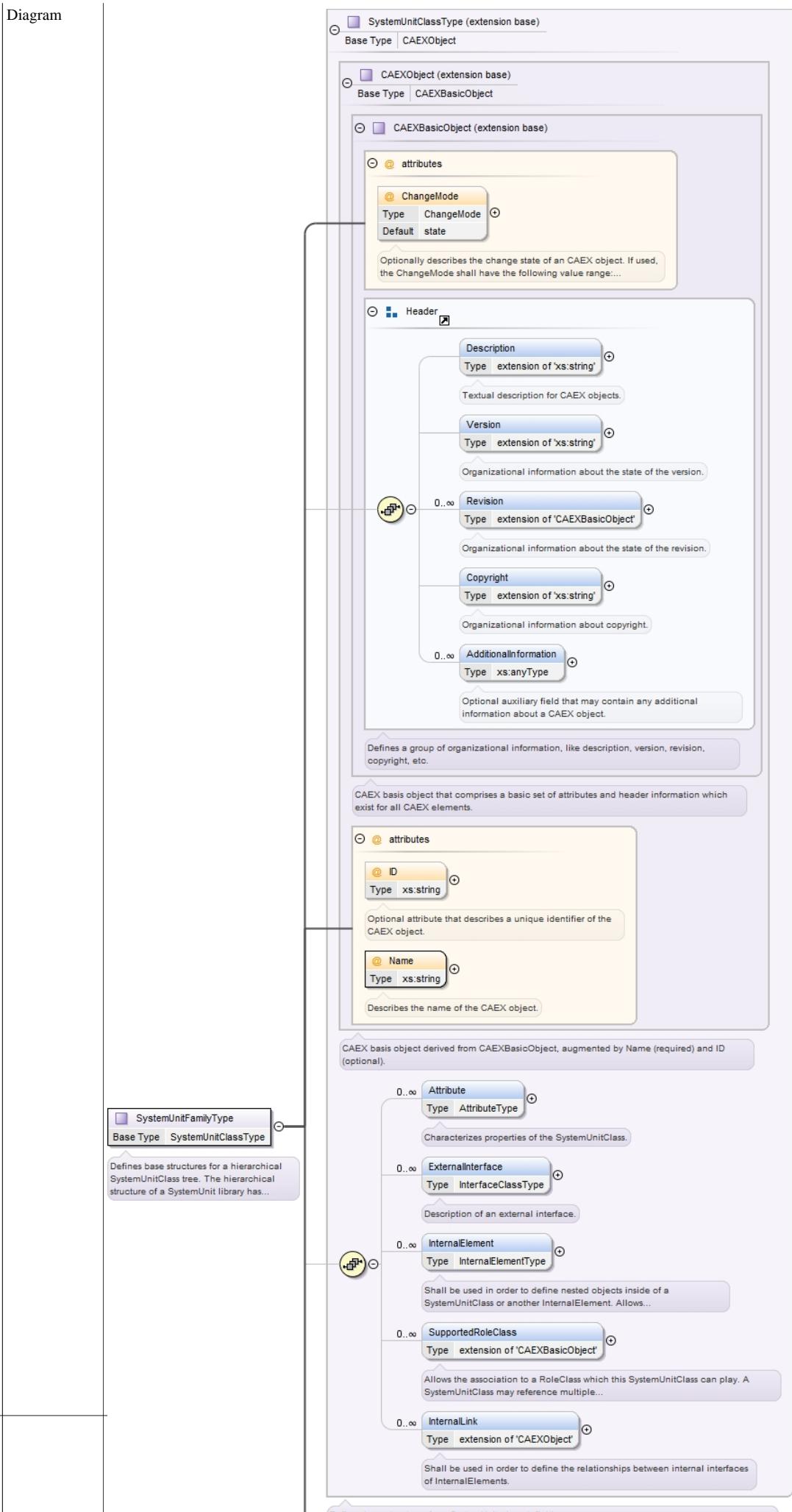
Namespace	No namespace										
Annotations	Base element for AttributeNameMapping and InterfaceNameMapping.										
Diagram	<pre> classDiagram class CAEXBasicObject { @ ChangeMode Type ChangeMode Default state } class Header { Description Version Revision Copyright AdditionalInformation } class MappingType { <<Base Type: CAEXBasicObject>> <<Base element for AttributeNameMapping and InterfaceNameMapping.>> } class AttributeNameMapping class InterfaceNameMapping CAEXBasicObject < -- MappingType CAEXBasicObject < -- Header Header < -- AttributeNameMapping Header < -- InterfaceNameMapping </pre> <p>The diagram illustrates the structure of the MappingType complex type. It extends the CAEXBasicObject base type. The CAEXBasicObject type includes an attribute named ChangeMode with a type of ChangeMode and a default value of state. A note specifies that ChangeMode describes the change state of a CAEX object. The MappingType type is described as a base element for AttributeNameMapping and InterfaceNameMapping. It contains a Header element which includes attributes for Description (type extension of xs:string), Version (type extension of xs:string), Revision (type extension of CAEXBasicObject), Copyright (type extension of xs:string), and AdditionalInformation (type xs:anyType). A note for the Header states that it defines a group of organizational information like description, version, revision, etc. The MappingType also has two many-to-many associations with AttributeNameMapping and InterfaceNameMapping, both of which extend CAEXBasicObject.</p>										
Type	extension of CAEXBasicObject										
Type hierarchy	<ul style="list-style-type: none"> • CAEXBasicObject • MappingType 										
Used by	Elements InternalElementType/MappingObject, SystemUnitClassType/SupportedRoleClass/MappingObject										
Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation* , AttributeNameMapping* , InterfaceNameMapping*										
Children	AdditionalInformation, AttributeNameMapping, Copyright, Description, InterfaceNameMapping, Revision, Version										
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>ChangeMode</td> <td>ChangeMode</td> <td></td> <td>state</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	ChangeMode	ChangeMode		state	optional
QName	Type	Fixed	Default	Use							
ChangeMode	ChangeMode		state	optional							

	QName	Type	Fixed	Default	Use
		Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.			
Source		<pre> <xs:complexType name="MappingType"> <xs:annotation> <xs:documentation>Base element for AttributeNameMapping and InterfaceNameMapping.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="CAEXBasicObject"> <xs:sequence minOccurs="0"> <xs:element name="AttributeNameMapping" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Allows the definition of the mapping between attribute names of corresponding RoleClasses and SystemUnitClasses.</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="CAEXBasicObject"> <xs:attribute name="SystemUnitAttributeName" type="xs:string" use="required"/> <xs:attribute name="RoleAttributeName" type="xs:string" use="required"/> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> <xs:element name="InterfaceNameMapping" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Mapping of interface names of corresponding RoleClasses and SystemUnitClasses.</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="CAEXBasicObject"> <xs:attribute name="SystemUnitInterfaceName" type="xs:string" use="required"/> <xs:attribute name="RoleInterfaceName" type="xs:string" use="required"/> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </pre>			
Schema location		file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd			

Complex Type SystemUnitFamilyType

Namespace	No namespace
Annotations	Defines base structures for a hierarchical SystemUnitClass tree. The hierarchical structure of a SystemUnit library has organizational character only.

Diagram



Type	extension of SystemUnitClassType																																																	
Type hierarchy	<ul style="list-style-type: none"> • CAEXBasicObject • CAEXObject • SystemUnitClassType • SystemUnitFamilyType 																																																	
Used by	Elements CAEXFile/SystemUnitClassLib/SystemUnitClass, SystemUnitFamilyType/SystemUnitClass																																																	
Model	Description{0,1}, Version{0,1}, Revision*, Copyright{0,1}, AdditionalInformation*, Attribute*, ExternalInterface*, InternalElement*, SupportedRoleClass*, InternalLink*, SystemUnitClass*																																																	
Children	AdditionalInformation, Attribute, Copyright, Description, ExternalInterface, InternalElement, InternalLink, Revision, SupportedRoleClass, SystemUnitClass, Version																																																	
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>ChangeMode</td> <td>ChangeMode</td> <td></td> <td>state</td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.</td></tr> <tr> <td>ID</td> <td>xs:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Optional attribute that describes a unique identifier of the CAEX object.</td></tr> <tr> <td>Name</td> <td>xs:string</td> <td></td> <td></td> <td>required</td> </tr> <tr> <td></td> <td colspan="4">Describes the name of the CAEX object.</td></tr> <tr> <td>RefBaseClassPath</td> <td>xs:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">Stores the reference of a class to its base class. References contain the full path to the referred class object.</td></tr> </tbody> </table>					QName	Type	Fixed	Default	Use	ChangeMode	ChangeMode		state	optional		Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.				ID	xs:string			optional		Optional attribute that describes a unique identifier of the CAEX object.				Name	xs:string			required		Describes the name of the CAEX object.				RefBaseClassPath	xs:string			optional		Stores the reference of a class to its base class. References contain the full path to the referred class object.			
QName	Type	Fixed	Default	Use																																														
ChangeMode	ChangeMode		state	optional																																														
	Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.																																																	
ID	xs:string			optional																																														
	Optional attribute that describes a unique identifier of the CAEX object.																																																	
Name	xs:string			required																																														
	Describes the name of the CAEX object.																																																	
RefBaseClassPath	xs:string			optional																																														
	Stores the reference of a class to its base class. References contain the full path to the referred class object.																																																	
Source	<pre> <xs:complexType name="SystemUnitFamilyType"> <xs:annotation> <xs:documentation>Defines base structures for a hierarchical SystemUnitClass tree. The hierarchical structure of a SystemUnit library has organizational character only.</xs:documentation> <xs:documentation> <xs:complexContent> <xs:extension base="SystemUnitClassType"> <xs:sequence minOccurs="0"> <xs:element name="SystemUnitClass" type="SystemUnitFamilyType" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Element that allows definition of child SystemUnitClasses within the class hierarchy. The parent child relation between two SystemUnitClasses has no semantic.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> <xs:attribute name="RefBaseClassPath" type="xs:string" use="optional"> <xs:annotation> <xs:documentation>Stores the reference of a class to its base class. References contain the full path to the referred class object.</xs:documentation> </xs:annotation> </xs:attribute> </xs:extension> </xs:complexContent> </xs:complexType> </pre>																																																	
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd																																																	

Attribute(s)

Attribute Header / Description / @ChangeMode

Namespace	No namespace	
Type	ChangeMode	
Properties	use:	optional
	default:	state
Facets	enumeration	state

	enumeration	create
	enumeration	delete
	enumeration	change
Used by	Element	Header/Description
Source	<xs:attribute name="ChangeMode" type="ChangeMode" use="optional" default="state"/>	
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd	

Attribute Header / Version / @ChangeMode

Namespace	No namespace	
Type	ChangeMode	
Properties	use:	optional
	default:	state
Facets	enumeration	state
	enumeration	create
	enumeration	delete
	enumeration	change
Used by	Element	Header/Version
Source	<xs:attribute name="ChangeMode" type="ChangeMode" use="optional" default="state"/>	
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd	

Attribute Header / Copyright / @ChangeMode

Namespace	No namespace	
Type	ChangeMode	
Properties	use:	optional
	default:	state
Facets	enumeration	state
	enumeration	create
	enumeration	delete
	enumeration	change
Used by	Element	Header/Copyright
Source	<xs:attribute name="ChangeMode" type="ChangeMode" use="optional" default="state"/>	
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd	

Attribute Header / @ChangeMode

Namespace	No namespace	
Annotations	Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.	
Type	ChangeMode	
Properties	use:	optional
	default:	state
Facets	enumeration	state
	enumeration	create
	enumeration	delete
	enumeration	change

Used by	Complex Type	CAEXBasicObject
Source	<pre><xs:attribute name="ChangeMode" type="ChangeMode" use="optional" default="state"> <xs:annotation> <xs:documentation>Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.</xs:documentation> </xs:annotation> </xs:attribute></pre>	
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd	

Attribute CAEXBasicObject / @ChangeMode

Namespace	No namespace									
Annotations	Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.									
Type	ChangeMode									
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">use:</td> <td style="padding: 2px;">optional</td> </tr> <tr> <td style="padding: 2px;">default:</td> <td style="padding: 2px;">state</td> </tr> </table>		use:	optional	default:	state				
use:	optional									
default:	state									
Facets	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">enumeration</td> <td style="padding: 2px;">state</td> </tr> <tr> <td style="padding: 2px;">enumeration</td> <td style="padding: 2px;">create</td> </tr> <tr> <td style="padding: 2px;">enumeration</td> <td style="padding: 2px;">delete</td> </tr> <tr> <td style="padding: 2px;">enumeration</td> <td style="padding: 2px;">change</td> </tr> </table>		enumeration	state	enumeration	create	enumeration	delete	enumeration	change
enumeration	state									
enumeration	create									
enumeration	delete									
enumeration	change									
Source	<pre><xs:attribute name="ChangeMode" type="ChangeMode" use="optional" default="state"> <xs:annotation> <xs:documentation>Optionally describes the change state of an CAEX object. If used, the ChangeMode shall have the following value range: state, create, delete and change. This information should be used for further change management applications.</xs:documentation> </xs:annotation> </xs:attribute></pre>									
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd									

Attribute Header / @ID

Namespace	No namespace			
Annotations	Optional attribute that describes a unique identifier of the CAEX object.			
Type	xs:string			
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">use:</td> <td style="padding: 2px;">optional</td> </tr> </table>		use:	optional
use:	optional			
Used by	Complex Type	CAEXObject		
Source	<pre><xs:attribute name="ID" type="xs:string" use="optional"> <xs:annotation> <xs:documentation>Optional attribute that describes a unique identifier of the CAEX object.</xs:documentation> </xs:annotation> </xs:attribute></pre>			
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd			

Attribute Header / @Name

Namespace	No namespace			
Annotations	Describes the name of the CAEX object.			
Type	xs:string			
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">use:</td> <td style="padding: 2px;">required</td> </tr> </table>		use:	required
use:	required			
Used by	Complex Type	CAEXObject		
Source	<pre><xs:attribute name="Name" type="xs:string" use="required"> <xs:annotation> <xs:documentation>Describes the name of the CAEX object.</xs:documentation> </xs:annotation> </xs:attribute></pre>			

	<pre></xs:annotation> </xs:attribute></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd

Attribute CAEXObject / @ID

Namespace	No namespace
Annotations	Optional attribute that describes a unique identifier of the CAEX object.
Type	xs:string
Properties	use: optional
Source	<pre><xs:attribute name="ID" type="xs:string" use="optional"> <xs:annotation> <xs:documentation>Optional attribute that describes a unique identifier of the CAEX object.</xs:documentation> </xs:annotation> </xs:attribute></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd

Attribute CAEXObject / @Name

Namespace	No namespace
Annotations	Describes the name of the CAEX object.
Type	xs:string
Properties	use: required
Source	<pre><xs:attribute name="Name" type="xs:string" use="required"> <xs:annotation> <xs:documentation>Describes the name of the CAEX object.</xs:documentation> </xs:annotation> </xs:attribute></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd

Attribute Header / @CorrespondingAttributeName

Namespace	No namespace
Type	xs:string
Properties	use: required
Used by	Element AttributeType/RefSemantic
Source	<pre><xs:attribute name="CorrespondingAttributeName" type="xs:string" use="required"/></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd

Attribute AttributeType / RefSemantic / @CorrespondingAttributeName

Namespace	No namespace
Type	xs:string
Properties	use: required
Source	<pre><xs:attribute name="CorrespondingAttributeName" type="xs:string" use="required"/></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd

AttributeAttributeValueRequirementType / @Name

Namespace	No namespace
Annotations	Describes the name of the constraint.
Type	xs:string

Properties	use:	required
Used by	Complex Type	AttributeValueRequirementType
Source	<pre><xs:attribute name="Name" type="xs:string" use="required"> <xs:annotation> <xs:documentation>Describes the name of the constraint.</xs:documentation> </xs:annotation> </xs:attribute></pre>	
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd	

Attribute AttributeType / @Unit

Namespace	No namespace	
Annotations	Describes the unit of the attribute.	
Type	xs:string	
Properties	use:	optional
Used by	Complex Type	AttributeType
Source	<pre><xs:attribute name="Unit" type="xs:string" use="optional"> <xs:annotation> <xs:documentation>Describes the unit of the attribute.</xs:documentation> </xs:annotation> </xs:attribute></pre>	
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd	

Attribute AttributeType / @Attribute DataType

Namespace	No namespace	
Annotations	Describes the data type of the attribute using XML notation.	
Type	xs:string	
Properties	use:	optional
Used by	Complex Type	AttributeType
Source	<pre><xs:attribute name="Attribute DataType" use="optional"> <xs:annotation> <xs:documentation>Describes the data type of the attribute using XML notation.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string" /> </xs:simpleType> </xs:attribute></pre>	
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd	

Attribute InterfaceClassType / @RefBase ClassPath

Namespace	No namespace	
Annotations	Stores the reference of a class to its base class. References contain the full path to the referred class object.	
Type	xs:string	
Properties	use:	optional
Used by	Complex Type	InterfaceClassType
Source	<pre><xs:attribute name="RefBase ClassPath" type="xs:string" use="optional"> <xs:annotation> <xs:documentation>Stores the reference of a class to its base class. References contain the full path to the referred class object.</xs:documentation> </xs:annotation> </xs:attribute></pre>	
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd	

Attribute RoleClassType / @RefBaseClassPath

Namespace	No namespace	
Annotations	Stores the reference of a class to its base class. References contain the full path to the referred class object.	
Type	xs:string	
Properties	use: optional	
Used by	Complex Type	RoleClassType
Source	<pre><xs:attribute name="RefBaseClassPath" type="xs:string" use="optional"> <xs:annotation> <xs:documentation>Stores the reference of a class to its base class. References contain the full path to the referred class object.</xs:documentation> </xs:annotation> </xs:attribute></pre>	
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd	

Attribute Header / @SystemUnitAttributeName

Namespace	No namespace	
Type	xs:string	
Properties	use: required	
Used by	Element	MappingType/AttributeNameMapping
Source	<pre><xs:attribute name="SystemUnitAttributeName" type="xs:string" use="required"/></pre>	
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd	

Attribute Header / @RoleAttributeName

Namespace	No namespace	
Type	xs:string	
Properties	use: required	
Used by	Element	MappingType/AttributeNameMapping
Source	<pre><xs:attribute name="RoleAttributeName" type="xs:string" use="required"/></pre>	
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd	

Attribute MappingType / AttributeNameMapping / @RoleAttributeName

Namespace	No namespace	
Type	xs:string	
Properties	use: required	
Source	<pre><xs:attribute name="RoleAttributeName" type="xs:string" use="required"/></pre>	
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd	

Attribute MappingType / AttributeNameMapping / @SystemUnitAttributeName

Namespace	No namespace	
Type	xs:string	
Properties	use: required	
Source	<pre><xs:attribute name="SystemUnitAttributeName" type="xs:string" use="required"/></pre>	
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd	

Attribute Header / @SystemUnitInterfaceName

Namespace	No namespace
Type	xs:string
Properties	use: required
Used by	Element MappingType/InterfaceNameMapping
Source	<xs:attribute name="SystemUnitInterfaceName" type="xs:string" use="required"/>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd

Attribute Header / @RoleInterfaceName

Namespace	No namespace
Type	xs:string
Properties	use: required
Used by	Element MappingType/InterfaceNameMapping
Source	<xs:attribute name="RoleInterfaceName" type="xs:string" use="required"/>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd

Attribute MappingType / InterfaceNameMapping / @RoleInterfaceName

Namespace	No namespace
Type	xs:string
Properties	use: required
Source	<xs:attribute name="RoleInterfaceName" type="xs:string" use="required"/>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd

Attribute MappingType / InterfaceNameMapping / @SystemUnitInterfaceName

Namespace	No namespace
Type	xs:string
Properties	use: required
Source	<xs:attribute name="SystemUnitInterfaceName" type="xs:string" use="required"/>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd

Attribute SystemUnitClassType / SupportedRoleClass / @RefRoleClassPath

Namespace	No namespace
Type	xs:string
Properties	use: required
Used by	Element SystemUnitClassType/SupportedRoleClass
Source	<xs:attribute name="RefRoleClassPath" type="xs:string" use="required"/>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd

Attribute Header / @RefPartnerSideA

Namespace	No namespace
Type	xs:string

Properties	use:	optional
Used by	Element	SystemUnitClassType/InternalLink
Source	<xss:attribute name="RefPartnerSideA" type="xs:string" use="optional"/>	
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd	

Attribute Header / @RefPartnerSideB

Namespace	No namespace
Type	xs:string
Properties	use: optional
Used by	Element SystemUnitClassType/InternalLink
Source	<xss:attribute name="RefPartnerSideB" type="xs:string" use="optional"/>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd

Attribute SystemUnitClassType / InternalLink / @RefPartnerSideA

Namespace	No namespace
Type	xs:string
Properties	use: optional
Source	<xss:attribute name="RefPartnerSideA" type="xs:string" use="optional"/>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd

Attribute SystemUnitClassType / InternalLink / @RefPartnerSideB

Namespace	No namespace
Type	xs:string
Properties	use: optional
Source	<xss:attribute name="RefPartnerSideB" type="xs:string" use="optional"/>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd

Attribute InternalElementType / RoleRequirements / @RefBaseRoleClassPath

Namespace	No namespace
Type	xs:string
Properties	use: optional
Used by	Element InternalElementType/RoleRequirements
Source	<xss:attribute name="RefBaseRoleClassPath" type="xs:string" use="optional"/>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd

Attribute InternalElementType / @RefBaseSystemUnitPath

Namespace	No namespace
Annotations	Stores the reference of an InternalElement to a class or instance definition. References contain the full path information.
Type	xs:string
Properties	use: optional
Used by	Complex Type InternalElementType
Source	<xss:attribute name="RefBaseSystemUnitPath" type="xs:string" use="optional">

	<pre><xs:annotation> <xs:documentation>Stores the reference of an InternalElement to a class or instance definition. References contain the full path information.</xs:documentation> </xs:annotation> </xs:attribute></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd

Attribute SystemUnitFamilyType / @RefBaseClassPath

Namespace	No namespace
Annotations	Stores the reference of a class to its base class. References contain the full path to the referred class object.
Type	xs:string
Properties	use: optional
Used by	Complex Type SystemUnitFamilyType
Source	<pre><xs:attribute name="RefBaseClassPath" type="xs:string" use="optional"> <xs:annotation> <xs:documentation>Stores the reference of a class to its base class. References contain the full path to the referred class object.</xs:documentation> </xs:annotation> </xs:attribute></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd

Attribute Header / @Path

Namespace	No namespace
Annotations	Describes the path of the external CAEX file. Absolute and relative paths are allowed.
Type	xs:string
Properties	use: required
Used by	Element CAEXFile/ExternalReference
Source	<pre><xs:attribute name="Path" type="xs:string" use="required"> <xs:annotation> <xs:documentation>Describes the path of the external CAEX file. Absolute and relative paths are allowed.</xs:documentation> </xs:annotation> </xs:attribute></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd

Attribute Header / @Alias

Namespace	No namespace
Annotations	Describes the alias name of an external CAEX file to enable referencing elements of the external CAEX file.
Type	xs:string
Properties	use: required
Used by	Element CAEXFile/ExternalReference
Source	<pre><xs:attribute name="Alias" type="xs:string" use="required"> <xs:annotation> <xs:documentation>Describes the alias name of an external CAEX file to enable referencing elements of the external CAEX file.</xs:documentation> </xs:annotation> </xs:attribute></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd

Attribute CAEXFile / ExternalReference / @Alias

Namespace	No namespace
-----------	--------------

Annotations	Describes the alias name of an external CAEX file to enable referencing elements of the external CAEX file.
Type	xs:string
Properties	use: required
Source	<pre><xs:attribute name="Alias" type="xs:string" use="required"> <xs:annotation> <xs:documentation>Describes the alias name of an external CAEX file to enable referencing elements of the external CAEX file.</xs:documentation> </xs:annotation> </xs:attribute></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd

Attribute CAEXFile / ExternalReference / @Path

Namespace	No namespace
Annotations	Describes the path of the external CAEX file. Absolute and relative paths are allowed.
Type	xs:string
Properties	use: required
Source	<pre><xs:attribute name="Path" type="xs:string" use="required"> <xs:annotation> <xs:documentation>Describes the path of the external CAEX file. Absolute and relative paths are allowed.</xs:documentation> </xs:annotation> </xs:attribute></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd

Attribute CAEXFile / @FileName

Namespace	No namespace
Annotations	Describes the name of the CAEX file.
Type	xs:string
Properties	use: required
Used by	Element CAEXFile
Source	<pre><xs:attribute name="FileName" type="xs:string" use="required"> <xs:annotation> <xs:documentation>Describes the name of the CAEX file.</xs:documentation> </xs:annotation> </xs:attribute></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd

Attribute CAEXFile / @SchemaVersion

Namespace	No namespace				
Annotations	Describes the version of the schema. Each CAEX document must specify which CAEX version it requires. The version number of a CAEX document must fit to the version number specified in the CAEX schema file.				
Type	xs:string				
Properties	<table border="0"> <tr> <td>use:</td> <td>required</td> </tr> <tr> <td>fixed:</td> <td>2.15</td> </tr> </table>	use:	required	fixed:	2.15
use:	required				
fixed:	2.15				
Used by	Element CAEXFile				
Source	<pre><xs:attribute name="SchemaVersion" type="xs:string" use="required" fixed="2.15"> <xs:annotation> <xs:documentation>Describes the version of the schema. Each CAEX document must specify which CAEX version it requires. The version number of a CAEX document must fit to the version number specified in the CAEX schema file.</xs:documentation> </xs:annotation> </xs:attribute></pre>				
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/CAEX_ClassModel_V2.15_16.05.2007.xsd				

Element Group(s)

Element Group Header

Namespace	No namespace				
Annotations	Defines a group of organizational information, like description, version, revision, copyright, etc.				
Diagram	<pre> classDiagram class Header { <<Defines a group of organizational information, like description, version, revision, copyright, etc.>> } class Description { <<Textual description for CAEX objects.>> } class Version { <<Organizational information about the state of the version.>> } class Revision { <<Organizational information about the state of the revision.>> } class AdditionalInformation { <<Optional auxiliary field that may contain any additional information about a CAEX object.>> } Header "0..oo" --> Description Header "0..oo" --> Version Header "0..oo" --> Revision Header "0..oo" --> AdditionalInformation </pre>				
Used by	<table border="0"> <tr> <td>Complex Types</td><td>AttributeType, AttributeValueRequirementType, CAEXBasicObject, CAEXObject, InterfaceClassType, InterfaceFamilyType, InternalElementType, MappingType, RoleClassType, RoleFamilyType, SystemUnitClassType, SystemUnitFamilyType</td></tr> <tr> <td>Elements</td><td>AttributeType/RefSemantic, CAEXFile, CAEXFile/ExternalReference, CAEXFile/InstanceHierarchy, CAEXFile/InterfaceClassLib, CAEXFile/RoleClassLib, CAEXFile/SystemUnitClassLib, Header/Revision, InternalElementType/RoleRequirements, MappingType/AttributeNameMapping, MappingType/InterfaceNameMapping, RoleClassType/ExternalInterface, SystemUnitClassType/InternalLink, SystemUnitClassType/SupportedRoleClass</td></tr> </table>	Complex Types	AttributeType, AttributeValueRequirementType, CAEXBasicObject, CAEXObject, InterfaceClassType, InterfaceFamilyType, InternalElementType, MappingType, RoleClassType, RoleFamilyType, SystemUnitClassType, SystemUnitFamilyType	Elements	AttributeType/RefSemantic, CAEXFile, CAEXFile/ExternalReference, CAEXFile/InstanceHierarchy, CAEXFile/InterfaceClassLib, CAEXFile/RoleClassLib, CAEXFile/SystemUnitClassLib, Header/Revision, InternalElementType/RoleRequirements, MappingType/AttributeNameMapping, MappingType/InterfaceNameMapping, RoleClassType/ExternalInterface, SystemUnitClassType/InternalLink, SystemUnitClassType/SupportedRoleClass
Complex Types	AttributeType, AttributeValueRequirementType, CAEXBasicObject, CAEXObject, InterfaceClassType, InterfaceFamilyType, InternalElementType, MappingType, RoleClassType, RoleFamilyType, SystemUnitClassType, SystemUnitFamilyType				
Elements	AttributeType/RefSemantic, CAEXFile, CAEXFile/ExternalReference, CAEXFile/InstanceHierarchy, CAEXFile/InterfaceClassLib, CAEXFile/RoleClassLib, CAEXFile/SystemUnitClassLib, Header/Revision, InternalElementType/RoleRequirements, MappingType/AttributeNameMapping, MappingType/InterfaceNameMapping, RoleClassType/ExternalInterface, SystemUnitClassType/InternalLink, SystemUnitClassType/SupportedRoleClass				
Model	Description{0,1} , Version{0,1} , Revision* , Copyright{0,1} , AdditionalInformation*				
Children	AdditionalInformation, Copyright, Description, Revision, Version				
Source	<pre> <xs:group name="Header"> <xs:annotation> <xs:documentation>Defines a group of organizational information, like description, version, revision, copyright, etc.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="Description" minOccurs="0"> <xs:annotation> <xs:documentation>Textual description for CAEX objects.</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="ChangeMode" type="ChangeMode" use="optional" default="state"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> <xs:element name="Version" minOccurs="0"> <xs:annotation> <xs:documentation>Organizational information about the state of the version.</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="ChangeMode" type="ChangeMode" use="optional" default="state"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> <xs:element name="Revision" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> </pre>				

```

<xs:documentation>Organizational information about the state of the revision.</xs:documentation>
</xs:annotation>
<xs:complexType>
  <xs:complexContent>
    <xs:extension base="CAEXBasicObject">
      <xs:sequence>
        <xs:element name="RevisionDate" type="xs:dateTime"/>
        <xs:element name="OldVersion" type="xs:string" minOccurs="0"/>
        <xs:element name="NewVersion" type="xs:string" minOccurs="0"/>
        <xs:element name="AuthorName" type="xs:string"/>
        <xs:element name="Comment" type="xs:string" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
</xs:element>
<xs:element name="Copyright" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Organizational information about copyright.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:simpleContent>
      <xs:extension base="xs:string">
        <xs:attribute name="ChangeMode" type="ChangeMode" use="optional" default="state"/>
      </xs:extension>
    </xs:simpleContent>
  </xs:complexType>
</xs:element>
<xs:element name="AdditionalInformation" type="xs:anyType" minOccurs="0" maxOccurs="unbounded">
  <xs:annotation>
    <xs:documentation>Optional auxiliary field that may contain any additional information about a CAEX object.</xs:documentation>
  </xs:annotation>
</xs:element>
</xs:sequence>
</xs:group>

```

Schema location

file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/thirdparty/
CAEX_ClassModel_V2.15_16.05.2007.xsd