Schema documentation for ana.xsd

september 7, 2012

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Resource hierarchy:	
Legend: 🗖 Import, 🗖 Include, 🖻 Redefine, 🦥 Cycle detected	
ana.xsd	
→ □ data.xsd	
₩ 🛅 sms.xsd	

Namespace: "http://www.ime.iiasa.ac.at/model/analysis"

Schema(s)

Main schema ana.xsd

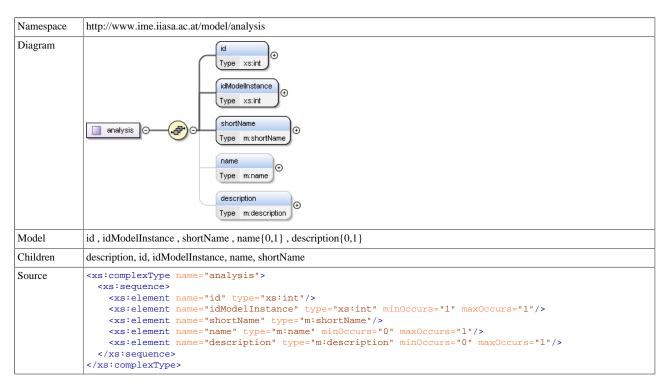
₩ 🗐 sms.xsd

Namespace	http://www.ime.iiasa.ac.at/model/analysis

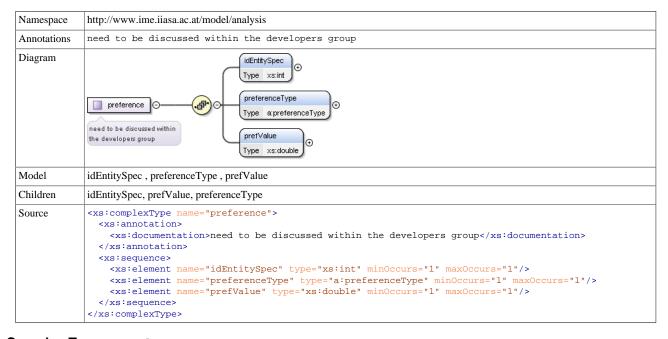
Properties	attribute form default:	unqualified
	element form default:	unqualified

Complex Type(s)

Complex Type a:analysis

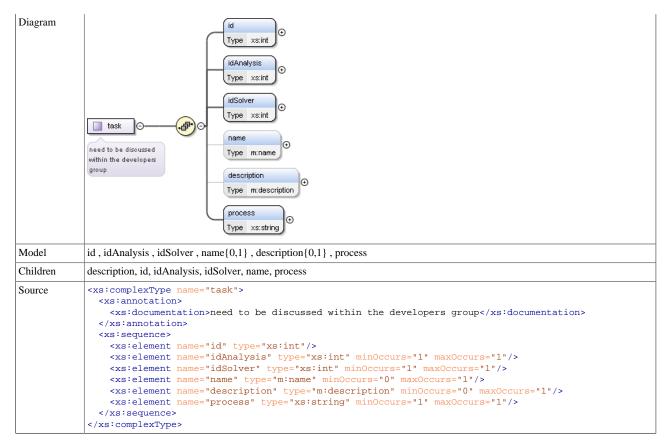


Complex Type a:preference



Complex Type a:task

Namespace	http://www.ime.iiasa.ac.at/model/analysis	
Annotation	need to be discussed within the developers group	



Simple Type(s)

Simple Type a:preferenceType

Namespace	http://www.ime.iiasa.ac.a	t/model/analysis
Annotations	need to be discussed	d within the developers group
Diagram	preferenceType O	Built-in primitive type. The string datatype represents character strings in XML.
Туре	restriction of xs:string	
Facets	enumeration	MIN
	enumeration	MAX
	enumeration	LOWER_BND
	enumeration	UPPER_BND
Used by	Element	a:preference/preferenceType
Source	<pre> <xs:simpletype name="preferenceType"> <xs:annotation></xs:annotation></xs:simpletype></pre>	

Namespace: "http://www.ime.iiasa.ac.at/model/instance"

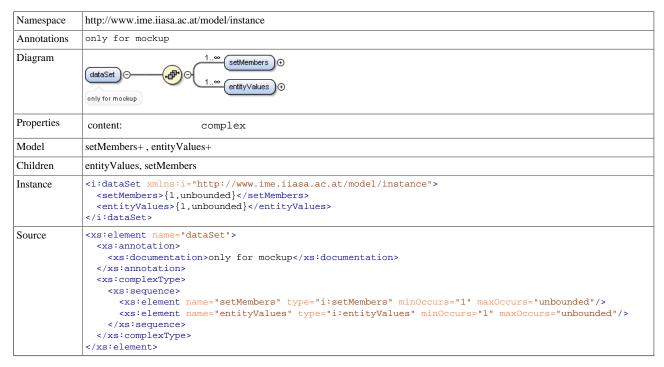
Schema(s)

Imported schema data.xsd

Namespace	http://www.ime.iiasa.ac.at/model/instance
Properties	attribute form default: unqualified
	element form default: unqualified

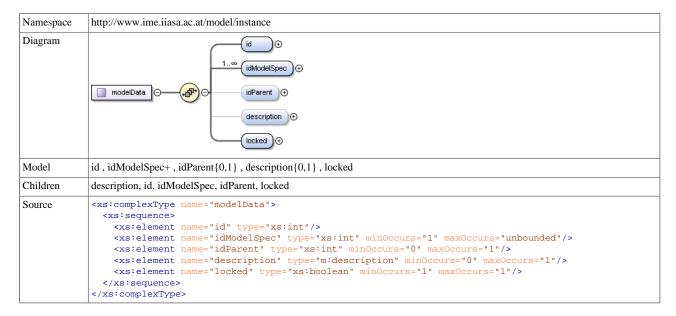
Element(s)

Element i:dataSet

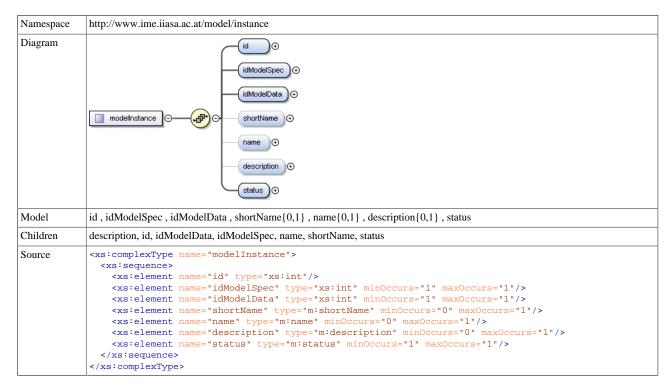


Complex Type(s)

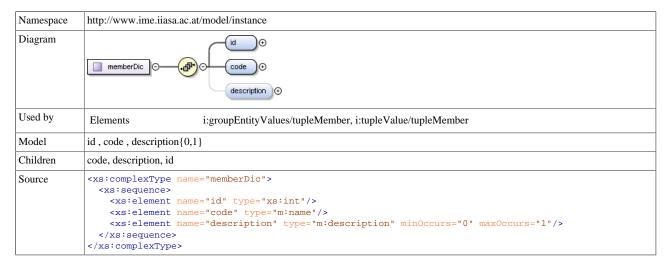
Complex Type i:modelData



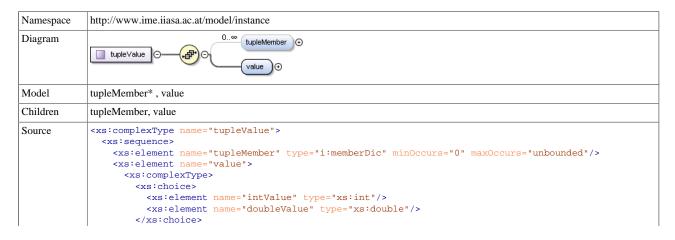
Complex Type i:modelInstance



Complex Type i:memberDic



Complex Type i:tupleValue

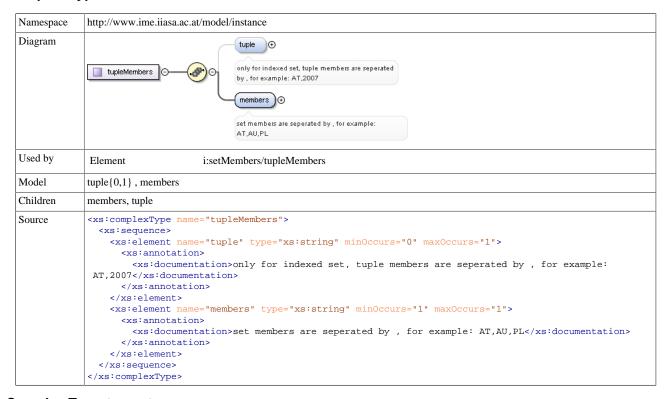


```
</xs:complexType>
  </xs:element>
  </xs:sequence>
  </xs:complexType>
```

Complex Type i:setMembers

Namespace	http://www.ime.iiasa.ac.at/model/instance
Diagram	setShortName output setShortName output output setShortName output output setShortName output outp
Used by	Element i:dataSet/setMembers
Model	setShortName , tupleMembers*
Children	setShortName, tupleMembers
Source	<pre><xs:complextype name="setMembers"></xs:complextype></pre>

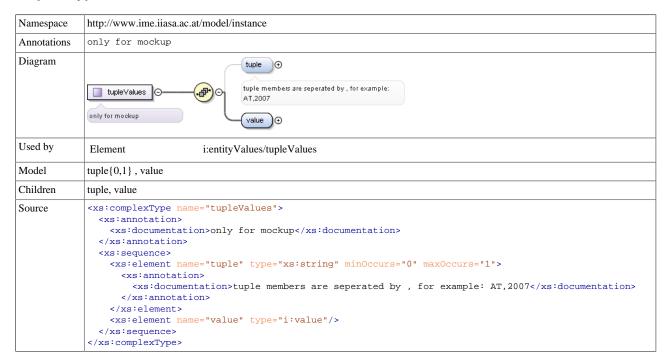
Complex Type i:tupleMembers



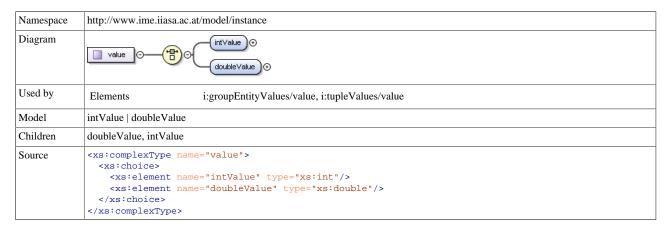
Complex Type i:entityValues

Namespace	http://www.ime.iiasa.ac.at/model/instance
Annotations	only for mockup
Diagram	entityValues ⊙ ———————————————————————————————————
Used by	Element i:dataSet/entityValues
Model	entityShortName , tupleValues*
Children	entityShortName, tupleValues
Source	<pre><xs:complextype name="entityValues"> <xs:annotation></xs:annotation></xs:complextype></pre>

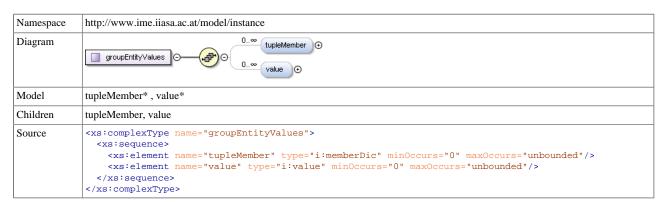
Complex Type i:tupleValues



Complex Type i:value



Complex Type i:groupEntityValues



Namespace: "http://www.ime.iiasa.ac.at/model/spec"

Schema(s)

Imported schema sms.xsd

Namespace	http://www.ime.iiasa.ac.at/model/spec	
Properties	attribute form default:	unqualified
	element form default:	unqualified

Simple Type(s)

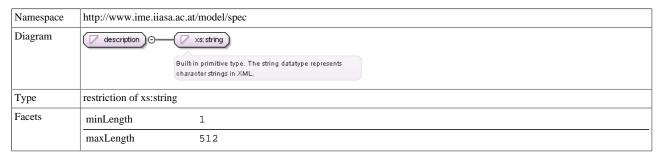
Simple Type m: shortName

Namespace	http://www.ime.iiasa.ac	c.at/model/spec
Diagram		xs: string iilk in primitive type. The string datatype represents araoter strings in XML.
Туре	restriction of xs:string	
Facets	minLength	1
	maxLength	8
Used by	Elements	$a: an alysis/shortName,\ i: modelInstance/shortName,\ m: entitySpec/shortName,\ m: modelSpec/shortName,\ m: setSpec/shortName$
Source	<pre><xs:simpletype <="" <xs:maxlength="" <xs:minlength="" <xs:restriction="" nam="" xs:restriction="" xs:simpletype=""></xs:simpletype></pre>	<pre>base="xs:string"> value="1"/> value="8"/></pre>

Simple Type m:name

Namespace	http://www.ime.iiasa.ac.at/model/spec	
Diagram		xs:string in primitive type. The string datatype represents acterstrings in XML.
Туре	restriction of xs:string	;
Facets	minLength	1
	maxLength	32
Used by	Elements	a:analysis/name, a:task/name, i:memberDic/code, i:modelInstance/name, m:entitySpec/name, m:modelSpec/name, m:setSpec/name
Source	<pre><xs:simpletype name="name"> <xs:restriction base="xs:string"> <xs:minlength value="1"></xs:minlength> <xs:maxlength value="32"></xs:maxlength> </xs:restriction> </xs:simpletype></pre>	

Simple Type m:description



Used by	Elements	a: analysis/description, a: task/description, i: member Dic/description, i: model Data/description, i: model Instance/description, m: entity Spec/description, m: model Spec/description, m: est Spec/description a: task/description, m: entity Spec/description, m: model Spec/description, m: est Spec/description, est Spec/descrip
Source	<pre><xs:restrict <xs:minlen<="" pre=""></xs:restrict></pre>	

Simple Type m: status

Namespace	http://www.ime.iiasa.ac.at/model/spec				
Diagram	Built-in	s; string primitive type. The string datatype represents ter strings in XML.			
Туре	restriction of xs:string				
Facets	enumeration	EDIT			
	enumeration	TEST			
	enumeration	COMMITTED			
Used by	Elements	i:modelInstance/status, m:modelSpec/status			
Source	<pre><xs:simpletype name="status"></xs:simpletype></pre>				
İ	<pre><xs:restriction base="xs:string"></xs:restriction></pre>				
	<pre><xs:enumeration value="EDIT"></xs:enumeration></pre>				
	<pre><xs:enumeration value="TEST"></xs:enumeration></pre>				
	<pre><xs:enumeration value="COMMITTED"></xs:enumeration></pre>				

Simple Type m:setSpecType

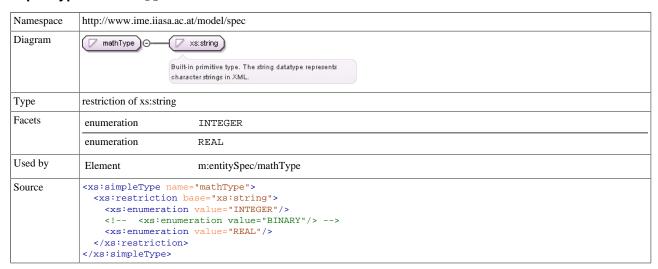
Namespace	http://www.ime.iiasa.ac.at/model/spec			
Diagram	setSpecType)⊙-	Built-in primitive type. The string datatype represents character strings in XML.		
Туре	restriction of xs:string			
Facets	enumeration	COLLECTION		
	enumeration	SEQUENCE		
Used by	Element	m:setSpec/type		
Source	<pre><xs:simpletype name="setSpecType"> <xs:restriction base="xs:string"></xs:restriction></xs:simpletype></pre>			

Simple Type m:entityRole



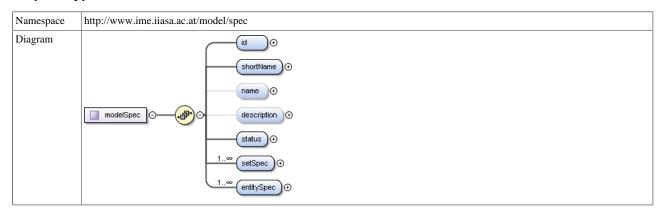
	enumeration	ASSIGNMENT				
	enumeration	CONSTRAINT				
	enumeration	A_VARIABLE	any type of variable: DECISION_VAR, EXTERNAL_DECISION_VAR,OUTCOME_VAR,or AUXILIARY_VAR			
	enumeration	A_FORMULA	any type of formula: ASSIGNMENT or CONSTRAINT			
Used by	Element	m:entitySpec/role				
Source	<xs:simpletype name="entityRole"></xs:simpletype>					
	<pre><xs:restriction base="xs:string"></xs:restriction></pre>					
	<pre><xs:enumeration value="CONSTANT"></xs:enumeration></pre>					
	<pre><xs:enumeration value="PARAMETER"></xs:enumeration></pre>					
	<pre><xs:enumeration value="DECISION_VAR"></xs:enumeration></pre>					
	<pre><xs:enumeration value="EXTERNAL_DECISION_VAR"></xs:enumeration></pre>					
	<xs:enumeration value="OUTCOME_VAR"></xs:enumeration>					
	<pre><xs:enumeration value="AUXILIARY_VAR"></xs:enumeration></pre>					
	<pre><xs:enumeration value="ASSIGNMENT"></xs:enumeration></pre>					
	<pre><xs:enumeration value="CONSTRAINT"></xs:enumeration></pre>					
	<pre><xs:enumeration value="A_VARIABLE"></xs:enumeration></pre>					
	<pre><xs:annotation></xs:annotation></pre>					
	<pre><xs:documentation>any type of variable: DECISION_VAR, EXTERNAL_DECISION_VAR,OUTCOME_VAR,or</xs:documentation></pre>					
	AUXILIARY_VAR					
	<pre><xs:enumeration value="A_FORMULA"></xs:enumeration></pre>					
	<pre><xs:annotation></xs:annotation></pre>					
	<pre><xs:documentation>any type of formula: ASSIGNMENT or CONSTRAINT</xs:documentation></pre>					

Simple Type m:mathType

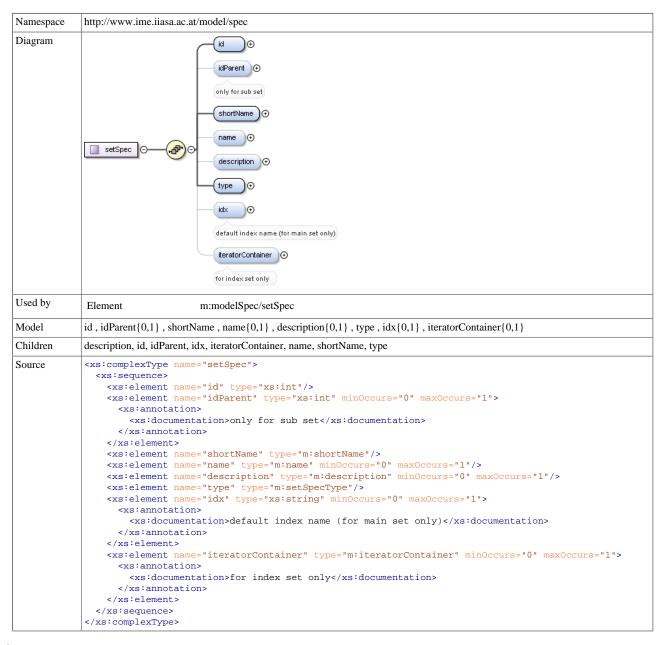


Complex Type(s)

Complex Type m:modelSpec



Complex Type m: setSpec



Complex Type m:iteratorContainer



Used by	Elements m:entitySpec/iteratorContainer, m:setSpec/iteratorContainer			
Model	idSetSpec+			
Children	idSetSpec			
Source	<pre><xs:complextype name="iteratorContainer"></xs:complextype></pre>			

Complex Type m:entitySpec

