# Schema documentation for wss.xsd

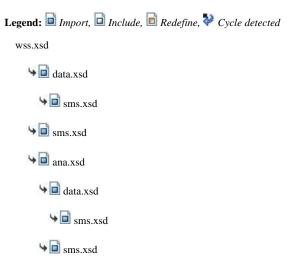
september 11, 2012

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Namespace: "http://www.ime.iiasa.ac.at/model/analysis"	20
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Complex Type(s)	
Complex Type a:analysis	
Complex Type a:preference	
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Simple Type a:preferenceType	

# Resource hierarchy:



# Namespace: "http://www.ime.iiasa.ac.at/enrima"

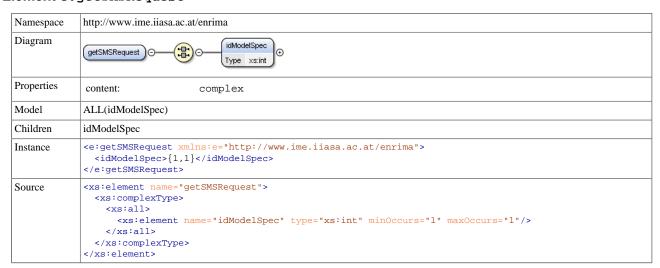
# Schema(s)

### Main schema wss.xsd

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

# Element(s)

### Element e:getSMSRequest

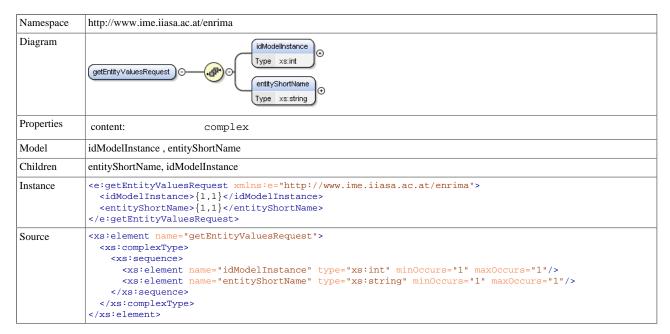


# Element e:getSMSResponse

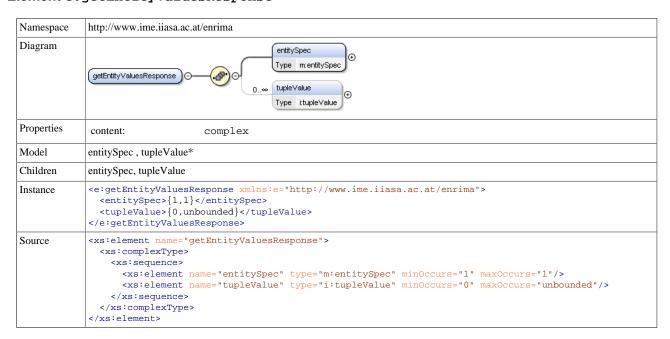
Namespace http://www.ime.iiasa.ac.at/enrima
---

Diagram	getSMSResponse ⊙			
Properties	content: complex			
Model	modelSpec			
Children	modelSpec			
Instance	<pre><e:getsmsresponse xmlns:e="http://www.ime.iiasa.ac.at/enrima">     <modelspec>{1,1}</modelspec>     </e:getsmsresponse></pre>			
Source	<pre><xs:element name="getSMSResponse"></xs:element></pre>			

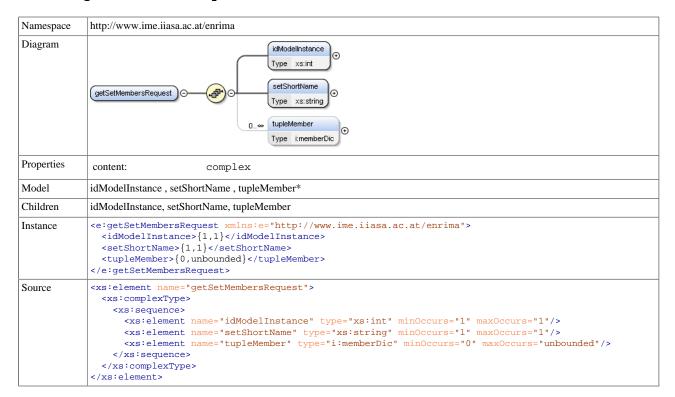
# Element e:getEntityValuesRequest



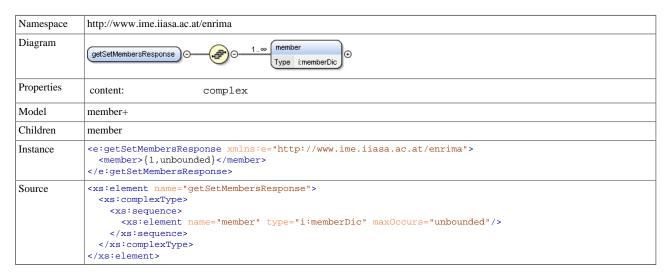
### Element e:getEntityValuesResponse



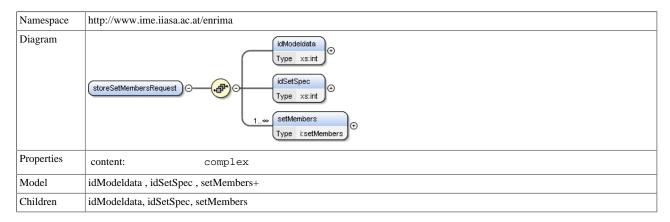
### Element e:getSetMembersRequest



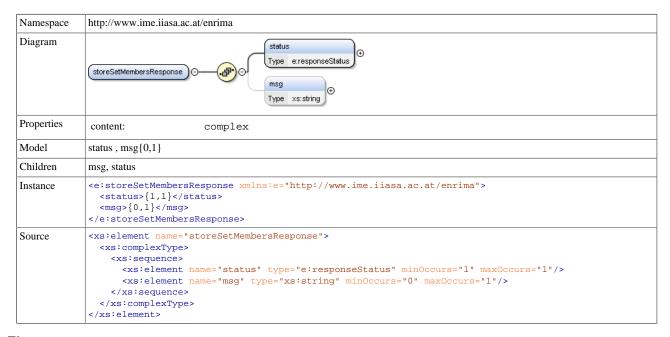
# Element e:getSetMembersResponse



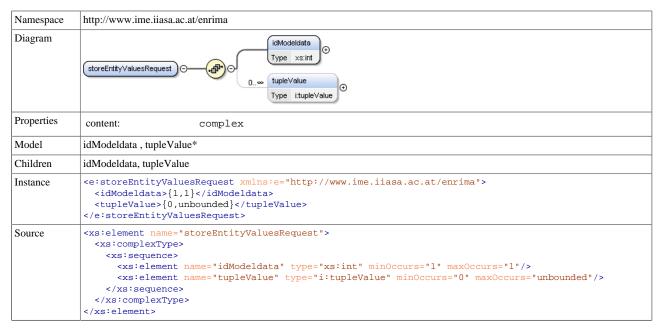
### Element e:storeSetMembersRequest



### Element e:storeSetMembersResponse

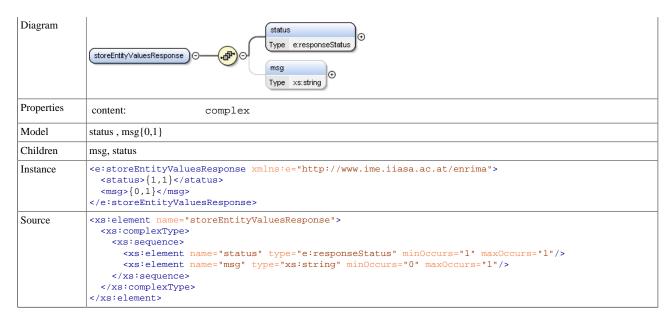


# Element e:storeEntityValuesRequest

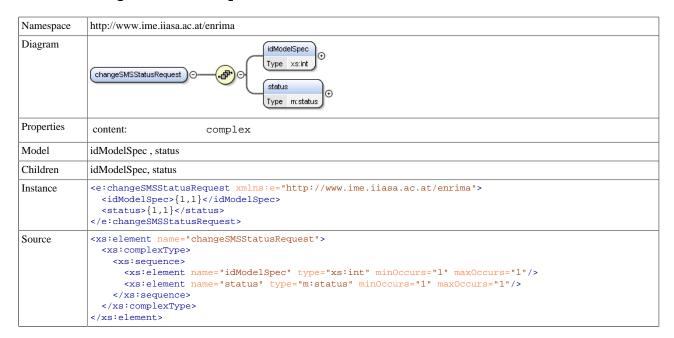


### Element e:storeEntityValuesResponse

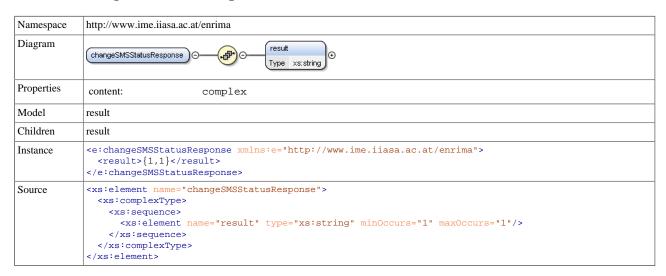
Namespace	http://www.ime.iiasa.ac.at/enrima



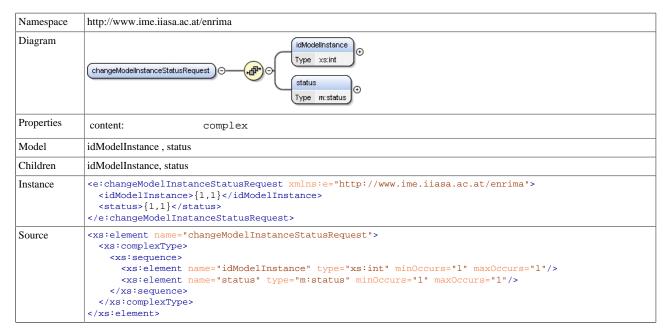
#### Element e: changeSMSStatusRequest



#### Element e: changeSMSStatusResponse



#### Element e:changeModelInstanceStatusRequest



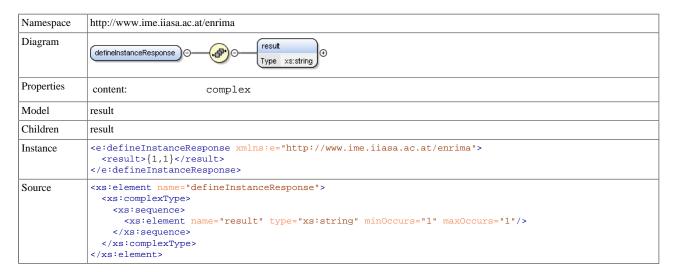
### Element e:changeModelInstanceStatusResponse

Namespace	http://www.ime.iiasa.ac.at/enrima			
Diagram	changeModelInstanceStatusResponse     ○			
Properties	content: complex			
Model	result			
Children	result			
Instance	<pre><e:changemodelinstancestatusresponse xmlns:e="http://www.ime.iiasa.ac.at/enrima">     <result>{1,1}</result>     </e:changemodelinstancestatusresponse></pre>			
Source	<pre>  <xs:element name="changeModelInstanceStatusResponse"></xs:element></pre>			

### Element e:defineInstanceRequest



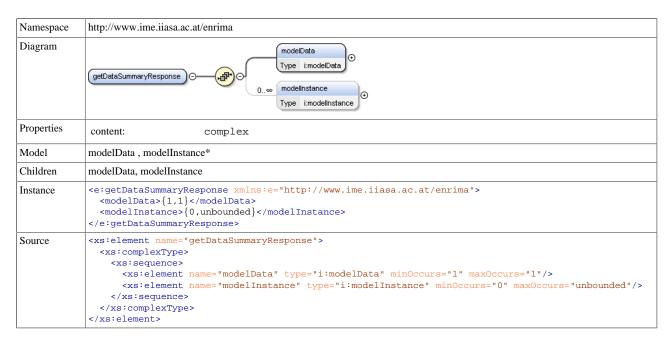
### Element e:defineInstanceResponse



### Element e:getDataSummaryRequest

Namespace	http://www.ime.iiasa.ac.at/enrima			
Diagram	getDataSummaryRequest     ○     IdModelData       Type     xs:int			
Properties	content: complex			
Model	idModelData			
Children	idModelData			
Instance	<pre><e:getdatasummaryrequest xmlns:e="http://www.ime.iiasa.ac.at/enrima">     <idmodeldata>{1,1}</idmodeldata>     </e:getdatasummaryrequest></pre>			
Source	<pre><xs:element name="getDataSummaryRequest"></xs:element></pre>			

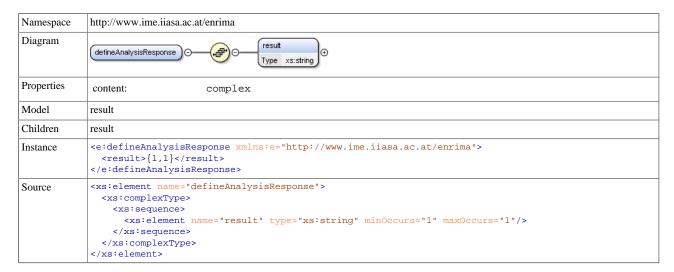
### Element e:getDataSummaryResponse



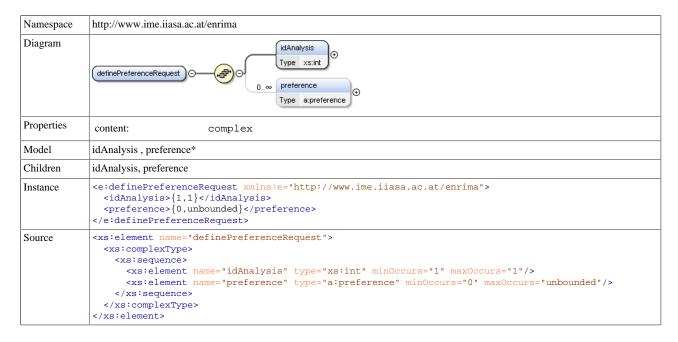
### Element e:defineAnalysisRequest



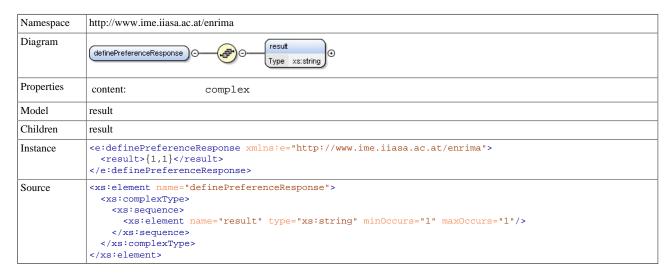
### Element e:defineAnalysisResponse



### Element e:definePreferenceRequest



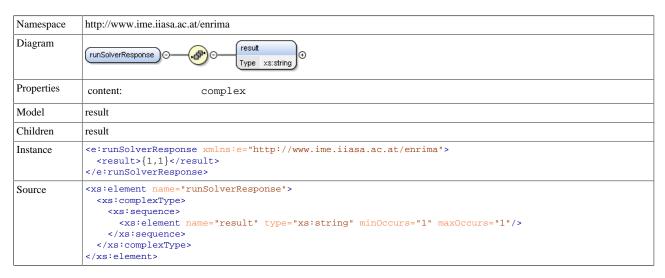
### Element e:definePreferenceResponse



#### Element e:runSolverRequest

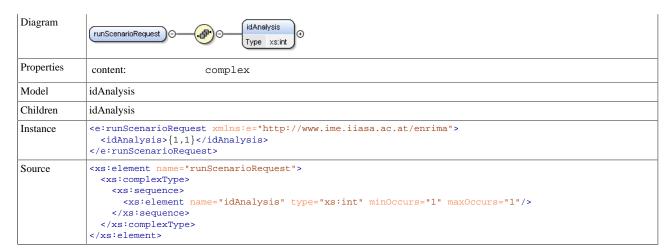
Namespace	http://www.ime.iiasa.ac.at/enrima		
Diagram	runSolverRequest O————————————————————————————————————		
Properties	content: complex		
Model	idAnalysis		
Children	idAnalysis		
Instance	<pre><e:runsolverrequest xmlns:e="http://www.ime.iiasa.ac.at/enrima"></e:runsolverrequest></pre>		
Source			

### Element e:runSolverResponse



# Element e:runScenarioRequest

Namespace
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# Element e:runScenarioResponse

Namespace	http://www.ime.iiasa.ac.at/enrima			
Diagram	runScenarioResponse ) ○			
Properties	content: complex			
Model	result			
Children	result			
Instance	<pre><e:runscenarioresponse xmlns:e="http://www.ime.iiasa.ac.at/enrima">     <result>{1,1}</result>     </e:runscenarioresponse></pre>			
Source	<pre><xs:element name="runScenarioResponse"></xs:element></pre>			

# Simple Type(s)

# Simple Type e:responseStatus

Namespace	http://www.ime.iiasa.ac.	http://www.ime.iiasa.ac.at/enrima		
Diagram	responseStatus	Built-in primitive type. The string datatype represents character strings in XML.		
Туре	restriction of xs:string			
Facets	enumeration	OK		
	enumeration	INVALID_ITERATOR		
	enumeration	INVALID_SET_MEMBER		
	enumeration	INVALID_VALUE		
	enumeration	BOUND_VIOLATION		
Used by	Elements e:storeEntityValuesResponse/status, e:storeSetMembersResponse/status			
Source	<pre><xs:simpletype name="responseStatus"></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

Namespace	http://www.ime.iiasa.ac.at/model/instance		
Annotations	only for mockup		
Diagram	dataSet ⊙ setMembers ⊕  1∞ setMembers ⊕  1∞ entityValues ⊕		
Properties	content: complex		
Model	setMembers+ , entityValues+		
Children	entityValues, setMembers		
Instance	<pre><i:dataset xmlns:i="http://www.ime.iiasa.ac.at/model/instance"></i:dataset></pre>		
Source	<pre><xs:element name="dataSet"></xs:element></pre>		

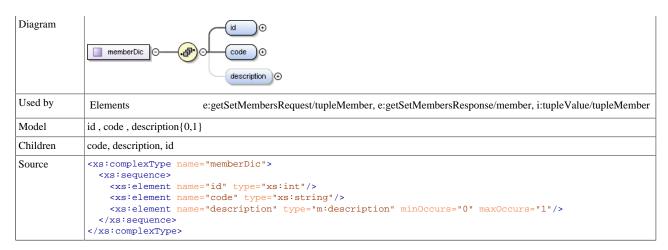
# Complex Type(s)

# Complex Type i:tupleValue

Namespace	http://www.ime.iiasa.ac.at/model/instance		
Diagram	tuple∀alue ⊙ tupleMember ⊙ value ⊙		
Used by	Elements e:getEntityValuesResponse/tupleValue, e:storeEntityValuesRequest/tupleValue		
Model	tupleMember*, value		
Children	tupleMember, value		
Source	<pre><xs:complextype name="tupleValue"></xs:complextype></pre>		

# Complex Type i:memberDic

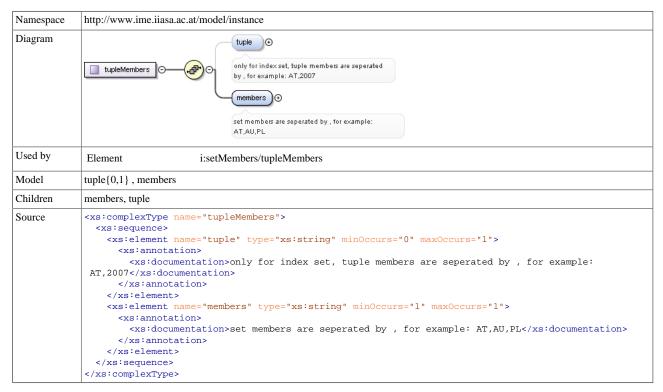
Namespace	http://www.ime.iiasa.ac.at/model/instance
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# Complex Type i:setMembers

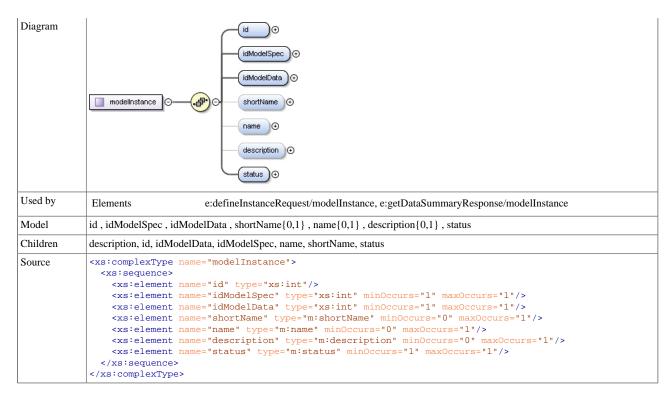
Namespace	http://www.ime.iiasa.ac.at/model/instance		
Diagram	setShortName ⊙  0  setShortName  tupleMembers ⊙		
Used by	Elements e:storeSetMembersRequest/setMembers, i:dataSet/setMembers		
Model	setShortName , tupleMembers*		
Children	setShortName, tupleMembers		
Source	<pre><xs:complextype name="setMembers"></xs:complextype></pre>		

# Complex Type i:tupleMembers

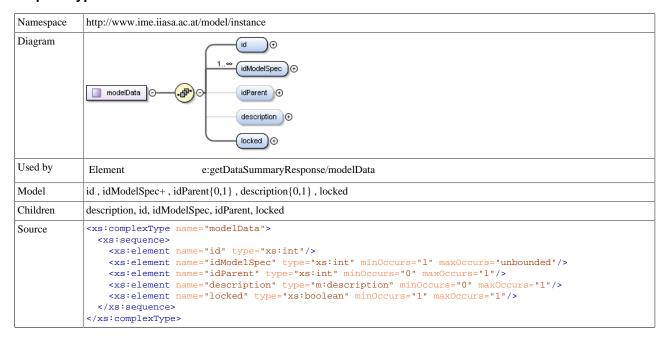


# Complex Type i:modelInstance

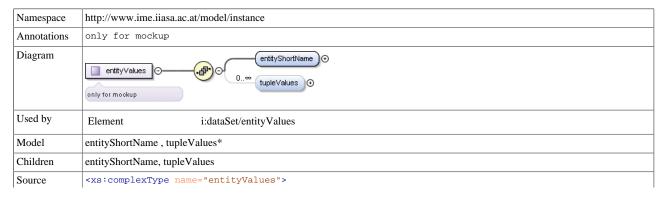
Namespace	http://www.ime.iiasa.ac.at/model/instance	
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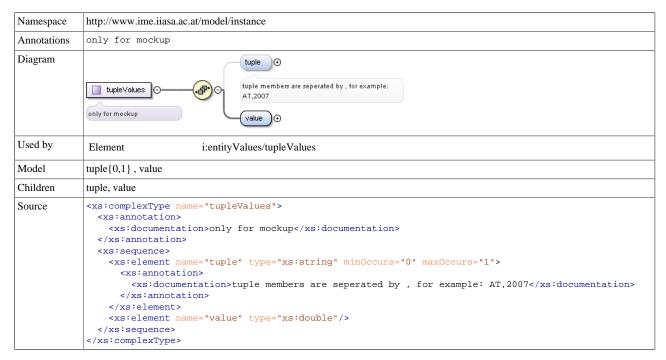
### Complex Type i:modelData



# Complex Type i:entityValues



# Complex Type i:tupleValues



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

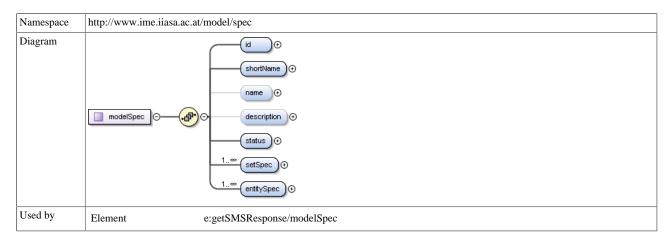
# Schema(s)

### Imported schema sms.xsd

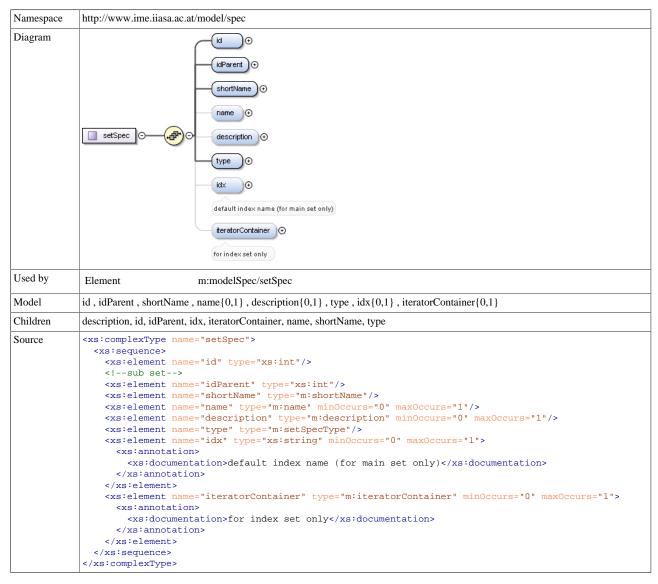
Namespace	http://www.ime.iiasa.ac.at/model/spec				
Properties	attribute form default: unqualified				
	element form default: unqualified				

# Complex Type(s)

### Complex Type m:modelSpec



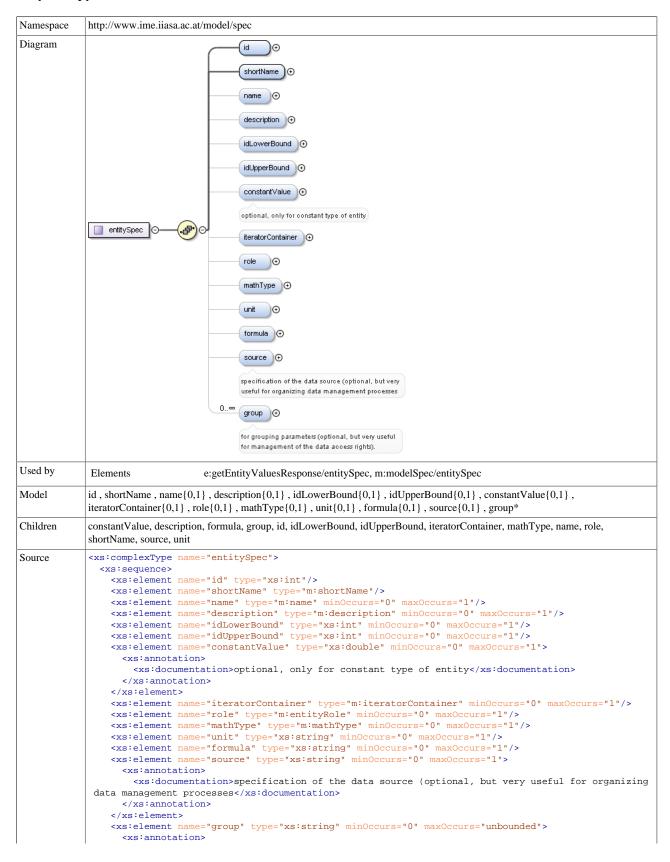
# Complex Type m: setSpec



### Complex Type m: iteratorContainer

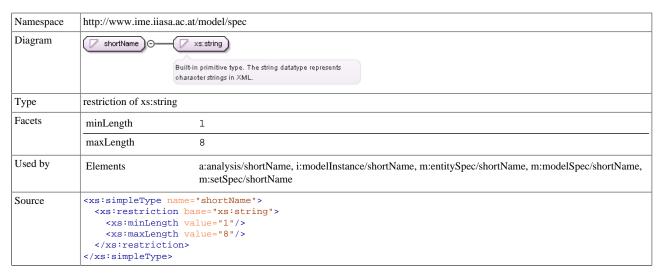
Namespace	http://www.ime.iiasa.ac.at/model/spec		
Diagram	iteratorContainer		
Used by	Elements m:entitySpec/iteratorContainer, m:setSpec/iteratorContainer		
Model	idSetSpec+		
Children	idSetSpec		

# Complex Type m:entitySpec



# Simple Type(s)

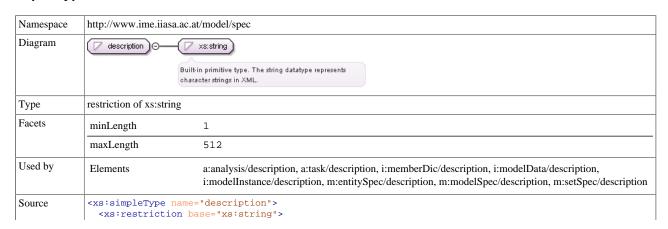
# Simple Type m: shortName



### Simple Type m:name

Namespace	http://www.ime.iiasa.ac.at/model/spec		
Diagram		xs:string  uilt-in primitive type. The string datatype represents haracter strings in XML.	
Туре	restriction of xs:string		
Facets	minLength	1	
	maxLength	32	
Used by	Elements	a:analysis/name, a:task/name, 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>		

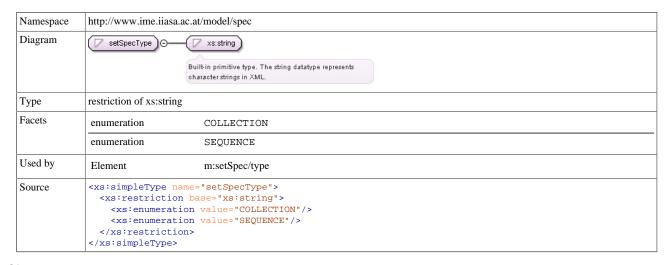
### Simple Type m:description



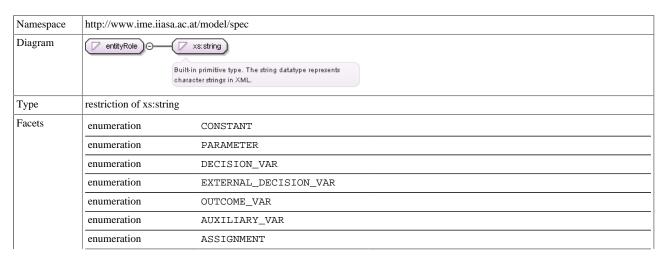
# Simple Type m: status

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

# Simple Type m:setSpecType

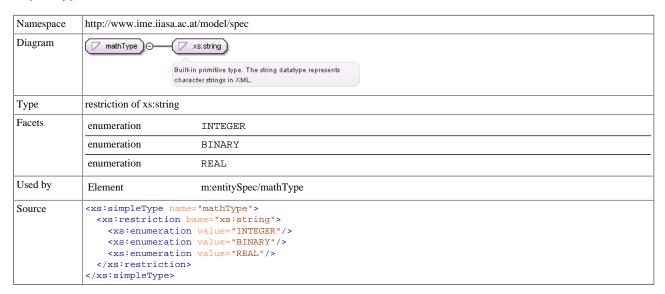


# Simple Type m:entityRole



	enumeration	CONSTRAINT	
	enumeration	A_VARIABLE	<pre>any type of variable: DECISION_VAR,     EXTERNAL_DECISION_VAR,OUTCOME_VAR,or     AUXILIARY_VAR</pre>
	enumeration	A_FORMULA	any type of formula: ASSIGNMENT or CONSTRAINT
Used by	Element	m:entitySpec/role	
Source	<pre><xs:enumerati <="" <xs:annotat="" <xs:annotat<="" <xs:docum="" <xs:enumerati="" auxiliary_var<="" pre="" x="" xs:annotat=""></xs:enumerati></pre>	a base="xs:string"> con value="CONSTANT"/> con value="PARAMETER"/> con value="DECISION_VAR"/> con value="BETERNAL_DECISI con value="OUTCOME_VAR"/> con value="AUXILIARY_VAR"/ con value="AUXILIARY_VAR"/> con value="CONSTRAINT"/> con value="A_VARIABLE"> cion> centation>any type of vari cs:documentation> cion> con value="A_FORMULA"> cion> centation>any type of form centation>any type of form centation>any type of form centation>	

# Simple Type m:mathType



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

# Schema(s)

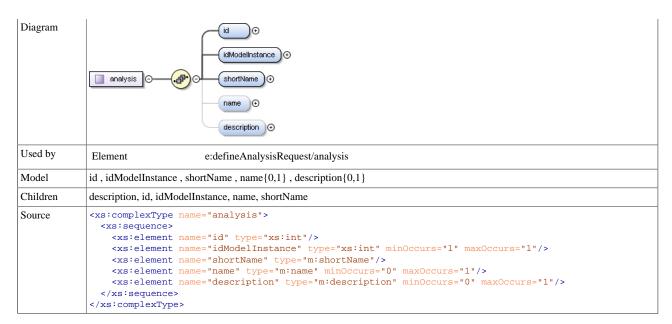
# Imported schema ana.xsd

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

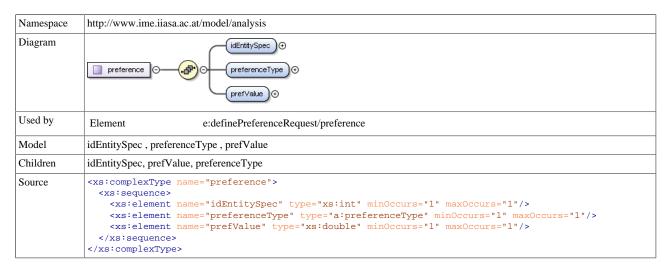
# Complex Type(s)

# Complex Type a: analysis

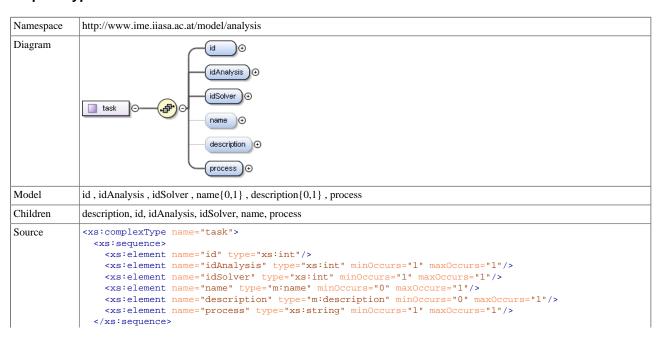
Namespace	http://www.ime.iiasa.ac.at/model/analysis
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### Complex Type a:preference



### Complex Type a: task



</xs:complexType>

# Simple Type(s)

# Simple Type a:preferenceType

Namespace	http://www.ime.iiasa.ac.at/model/analysis		
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:restriction base="xs:string"></xs:restriction></xs:simpletype></pre>		