

Schema documentation for wss.xsd

august 18, 2012

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Resource hierarchy:

Legend:  Import,  Include,  Redefine,  Cycle detected

wss.xsd



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 w:getSMSRequest

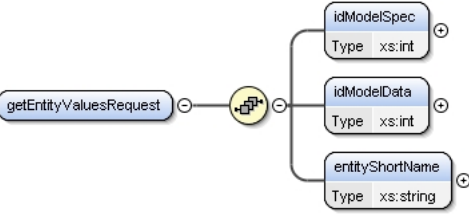
Namespace	http://www.ime.iiasa.ac.at/enrima
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Diagram	
Properties	content: complex
Model	ALL(idModelSpec)
Children	idModelSpec
Instance	<pre><w:getSMSRequest xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <idModelSpec>{1,1}</idModelSpec> </w:getSMSRequest></pre>
Source	<pre><xs:element name="getSMSRequest"> <xs:complexType> <xs:all> <xs:element name="idModelSpec" type="xs:int" minOccurs="1" maxOccurs="1"/> </xs:all> </xs:complexType> </xs:element></pre>

Element w:getSMSResponse

Namespace	http://www.ime.iiasa.ac.at/enrima
Diagram	
Properties	content: complex
Model	modelSpec
Children	modelSpec
Instance	<pre><w:getSMSResponse xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <modelSpec>{1,1}</modelSpec> </w:getSMSResponse></pre>
Source	<pre><xs:element name="getSMSResponse"> <xs:complexType> <xs:sequence> <xs:element name="modelSpec" type="m:modelSpec"/> </xs:sequence> </xs:complexType> </xs:element></pre>

Element w:getEntityValuesRequest

Namespace	http://www.ime.iiasa.ac.at/enrima
Diagram	
Properties	content: complex
Model	idModelSpec , idModelData , entityShortName
Children	entityShortName, idModelData, idModelSpec
Instance	<pre><w:getEntityValuesRequest xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <idModelSpec>{1,1}</idModelSpec> <idModelData>{1,1}</idModelData> <entityShortName>{1,1}</entityShortName> </w:getEntityValuesRequest></pre>
Source	<pre><xs:element name="getEntityValuesRequest"> <xs:complexType> <xs:sequence> <xs:element name="idModelSpec" type="xs:int" minOccurs="1" maxOccurs="1"/> <xs:element name="idModelData" type="xs:int" minOccurs="1" maxOccurs="1"/> <xs:element name="entityShortName" type="xs:string" minOccurs="1" maxOccurs="1"/> </xs:sequence> </xs:complexType> </xs:element></pre>

Element w:getEntityValuesResponse

Namespace	http://www.ime.iiasa.ac.at/enrima
Diagram	<pre> graph LR getEntityValuesResponse --> entitySpec getEntityValuesResponse --> tupleValue entitySpec --- entitySpecBox[entitySpec Type m:entitySpec ⊕] tupleValue --- tupleValueBox[tupleValue Type itupleValue ⊕] entitySpecBox --- tupleValueBox tupleValueBox --- 0inf[0..∞] </pre>
Properties	content: complex
Model	entitySpec , tupleValue*
Children	entitySpec, tupleValue
Instance	<pre> <w:getEntityValuesResponse xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <entitySpec>{1,1}</entitySpec> <tupleValue>{0,unbounded}</tupleValue> </w:getEntityValuesResponse> </pre>
Source	<pre> <xs:element name="getEntityValuesResponse"> <xs:complexType> <xs:sequence> <xs:element name="entitySpec" type="m:entitySpec" minOccurs="1" maxOccurs="1"/> <xs:element name="tupleValue" type="i:tupleValue" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

Element w:getSetMembersRequest

Namespace	http://www.ime.iiasa.ac.at/enrima
Diagram	<pre> graph LR getSetMembersRequest --> idModelData getSetMembersRequest --> setShortName getSetMembersRequest --> tupleMember idModelData --- idModelDataBox[idModelData Type xs:int ⊕] setShortName --- setShortNameBox[setShortName Type xs:string ⊕] tupleMember --- tupleMemberBox[tupleMember Type imemberDic ⊕] idModelDataBox --- setShortNameBox setShortNameBox --- tupleMemberBox tupleMemberBox --- 0inf[0..∞] </pre>
Properties	content: complex
Model	idModelData , setShortName , tupleMember*
Children	idModelData, setShortName, tupleMember
Instance	<pre> <w:getSetMembersRequest xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <idModelData>{1,1}</idModelData> <setShortName>{1,1}</setShortName> <tupleMember>{0,unbounded}</tupleMember> </w:getSetMembersRequest> </pre>
Source	<pre> <xs:element name="getSetMembersRequest"> <xs:complexType> <xs:sequence> <xs:element name="idModelData" type="xs:int" minOccurs="1" maxOccurs="1"/> <xs:element name="setShortName" type="xs:string" minOccurs="1" maxOccurs="1"/> <xs:element name="tupleMember" type="i:memberDic" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

Element w:getSetMembersResponse

Namespace	http://www.ime.iiasa.ac.at/enrima
Diagram	<pre> graph LR getSetMembersResponse --> member member --- memberBox[member Type imemberDic ⊕] memberBox --- 1inf[1..∞] </pre>
Properties	content: complex
Model	member+
Children	member
Instance	<pre> <w:getSetMembersResponse xmlns:w="http://www.ime.iiasa.ac.at/enrima"> </pre>

	<pre> <member>{1,unbounded}</member> </w:getSetMembersResponse> </pre>
Source	<pre> <xs:element name="getSetMembersResponse"> <xs:complexType> <xs:sequence> <xs:element name="member" type="i:memberDic" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

Element w:storeMainSetRequest

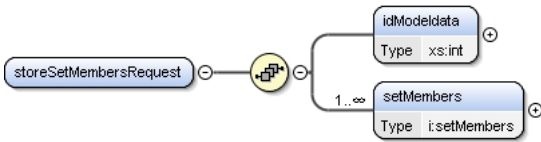
Namespace	http://www.ime.iiasa.ac.at/enrima
Diagram	
Properties	content: complex
Model	idModeldata , setShortName , member+
Children	idModeldata, member, setShortName
Instance	<pre> <w:storeMainSetRequest xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <idModeldata>{1,1}</idModeldata> <setShortName>{1,1}</setShortName> <member>{1,unbounded}</member> </w:storeMainSetRequest> </pre>
Source	<pre> <xs:element name="storeMainSetRequest"> <xs:complexType> <xs:sequence> <xs:element name="idModeldata" type="xs:int" minOccurs="1" maxOccurs="1"/> <xs:element name="setShortName" type="xs:string" minOccurs="1" maxOccurs="1"/> <xs:element name="member" type="i:memberDic" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

Element w:storeMainSetResponse

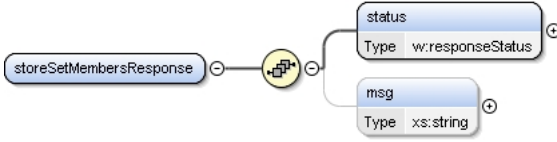
Namespace	http://www.ime.iiasa.ac.at/enrima
Diagram	
Properties	content: complex
Model	status , msg{0,1}
Children	msg, status
Instance	<pre> <w:storeMainSetResponse xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <status>{1,1}</status> <msg>{0,1}</msg> </w:storeMainSetResponse> </pre>
Source	<pre> <xs:element name="storeMainSetResponse"> <xs:complexType> <xs:sequence> <xs:element name="status" type="w:responseStatus" minOccurs="1" maxOccurs="1"/> <xs:element name="msg" type="xs:string" minOccurs="0" maxOccurs="1"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

Element w:storeSetMembersRequest

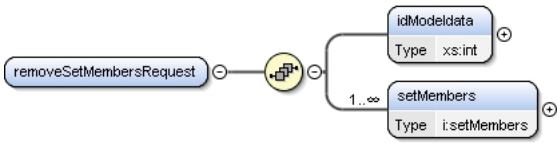
Namespace	http://www.ime.iiasa.ac.at/enrima
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Diagram	 The diagram shows the 'storeSetMembersRequest' element as a container. Inside, there is a sequence of two elements: 'idModeldata' (Type xs:int, minOccurs=1, maxOccurs=1) and 'setMembers' (Type i:setMembers, minOccurs=1, maxOccurs=unbounded). The 'setMembers' element is shown with a '1..∞' cardinality.
Properties	content: complex
Model	idModeldata , setMembers+
Children	idModeldata, setMembers
Instance	<pre><w:storeSetMembersRequest xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <idModeldata>{1,1}</idModeldata> <setMembers>{1,unbounded}</setMembers> </w:storeSetMembersRequest></pre>
Source	<pre><xs:element name="storeSetMembersRequest"> <xs:complexType> <xs:sequence> <xs:element name="idModeldata" type="xs:int" minOccurs="1" maxOccurs="1"/> <xs:element name="setMembers" type="i:setMembers" minOccurs="1" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element></pre>

Element w:storeSetMembersResponse

Namespace	http://www.ime.iiasa.ac.at/enrima
Diagram	 The diagram shows the 'storeSetMembersResponse' element as a container. Inside, there is a sequence of two elements: 'status' (Type w:responseStatus, minOccurs=1, maxOccurs=1) and 'msg' (Type xs:string, minOccurs=0, maxOccurs=1). The 'msg' element is shown with a '0..1' cardinality.
Properties	content: complex
Model	status , msg{0,1}
Children	msg, status
Instance	<pre><w:storeSetMembersResponse xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <status>{1,1}</status> <msg>{0,1}</msg> </w:storeSetMembersResponse></pre>
Source	<pre><xs:element name="storeSetMembersResponse"> <xs:complexType> <xs:sequence> <xs:element name="status" type="w:responseStatus" minOccurs="1" maxOccurs="1"/> <xs:element name="msg" type="xs:string" minOccurs="0" maxOccurs="1"/> </xs:sequence> </xs:complexType> </xs:element></pre>

Element w:removeSetMembersRequest

Namespace	http://www.ime.iiasa.ac.at/enrima
Diagram	 The diagram shows the 'removeSetMembersRequest' element as a container. Inside, there is a sequence of two elements: 'idModeldata' (Type xs:int, minOccurs=1, maxOccurs=1) and 'setMembers' (Type i:setMembers, minOccurs=1, maxOccurs=unbounded). The 'setMembers' element is shown with a '1..∞' cardinality.
Properties	content: complex
Model	idModeldata , setMembers+
Children	idModeldata, setMembers
Instance	<pre><w:removeSetMembersRequest xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <idModeldata>{1,1}</idModeldata> <setMembers>{1,unbounded}</setMembers> </w:removeSetMembersRequest></pre>
Source	<pre><xs:element name="removeSetMembersRequest"> <xs:complexType> <xs:sequence> <xs:element name="idModeldata" type="xs:int" minOccurs="1" maxOccurs="1"/> <xs:element name="setMembers" type="i:setMembers" minOccurs="1" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element></pre>

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<xs:element name="setMembers" type="i:setMembers" minOccurs="1" maxOccurs="unbounded" />
</xs:sequence>
</xs:complexType>
</xs:element>

```

Element w:removeSetMembersResponse

Namespace	http://www.ime.iiasa.ac.at/enrima
Diagram	
Properties	content: complex
Model	status , msg{0,1}
Children	msg, status
Instance	<pre> <w:removeSetMembersResponse xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <status>{1,1}</status> <msg>{0,1}</msg> </w:removeSetMembersResponse> </pre>
Source	<pre> <xs:element name="removeSetMembersResponse"> <xs:complexType> <xs:sequence> <xs:element name="status" type="w:responseStatus" minOccurs="1" maxOccurs="1" /> <xs:element name="msg" type="xs:string" minOccurs="0" maxOccurs="1" /> </xs:sequence> </xs:complexType> </xs:element> </pre>

Element w:storeEntityValuesRequest

Namespace	http://www.ime.iiasa.ac.at/enrima
Diagram	
Properties	content: complex
Model	idModelSpec , idModeldata , entityValues*
Children	entityValues, idModelSpec, idModeldata
Instance	<pre> <w:storeEntityValuesRequest xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <idModelSpec>{1,1}</idModelSpec> <idModeldata>{1,1}</idModeldata> <entityValues>{0,unbounded}</entityValues> </w:storeEntityValuesRequest> </pre>
Source	<pre> <xs:element name="storeEntityValuesRequest"> <xs:complexType> <xs:sequence> <xs:element name="idModelSpec" type="xs:int" minOccurs="1" maxOccurs="1" /> <xs:element name="idModeldata" type="xs:int" minOccurs="1" maxOccurs="1" /> <xs:element name="entityValues" type="i:entityValues" minOccurs="0" maxOccurs="unbounded" /> </xs:sequence> </xs:complexType> </xs:element> </pre>

Element w:storeEntityValuesResponse

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

Properties	content: complex
Model	status , msg{0,1}
Children	msg, status
Instance	<pre><w:storeEntityValuesResponse xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <status>{1,1}</status> <msg>{0,1}</msg> </w:storeEntityValuesResponse></pre>
Source	<pre><xs:element name="storeEntityValuesResponse"> <xs:complexType> <xs:sequence> <xs:element name="status" type="w:responseStatus" minOccurs="1" maxOccurs="1"/> <xs:element name="msg" type="xs:string" minOccurs="0" maxOccurs="1"/> </xs:sequence> </xs:complexType> </xs:element></pre>

Element w:removeEntityValuesRequest

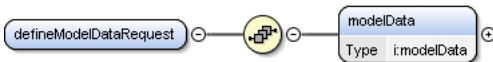
Namespace	http://www.ime.iiasa.ac.at/enrima
Diagram	
Properties	content: complex
Model	idModelSpec , idModeldata , entityValues*
Children	entityValues, idModelSpec, idModeldata
Instance	<pre><w:removeEntityValuesRequest xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <idModelSpec>{1,1}</idModelSpec> <idModeldata>{1,1}</idModeldata> <entityValues>{0,unbounded}</entityValues> </w:removeEntityValuesRequest></pre>
Source	<pre><xs:element name="removeEntityValuesRequest"> <xs:complexType> <xs:sequence> <xs:element name="idModelSpec" type="xs:int" minOccurs="1" maxOccurs="1"/> <xs:element name="idModeldata" type="xs:int" minOccurs="1" maxOccurs="1"/> <xs:element name="entityValues" type="i:entityValues" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element></pre>

Element w:removeEntityValuesResponse

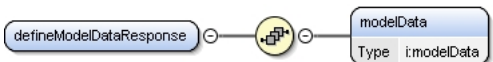
Namespace	http://www.ime.iiasa.ac.at/enrima
Diagram	
Properties	content: complex
Model	status , msg{0,1}
Children	msg, status
Instance	<pre><w:removeEntityValuesResponse xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <status>{1,1}</status> <msg>{0,1}</msg> </w:removeEntityValuesResponse></pre>
Source	<pre><xs:element name="removeEntityValuesResponse"> <xs:complexType> <xs:sequence> <xs:element name="status" type="w:responseStatus" minOccurs="1" maxOccurs="1"/> <xs:element name="msg" type="xs:string" minOccurs="0" maxOccurs="1"/> </xs:sequence> </xs:complexType> </xs:element></pre>


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

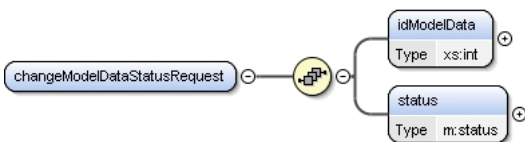
Element w:defineModelDataRequest

Namespace	http://www.ime.iiasa.ac.at/enrima
Diagram	
Properties	content: complex
Model	modelData
Children	modelData
Instance	<pre><w:defineModelDataRequest xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <modelData>{1,1}</modelData> </w:defineModelDataRequest></pre>
Source	<pre><xs:element name="defineModelDataRequest"> <xs:complexType> <xs:sequence> <xs:element name="modelData" type="i:modelData" minOccurs="1" maxOccurs="1"/> </xs:sequence> </xs:complexType> </xs:element></pre>

Element w:defineModelDataResponse

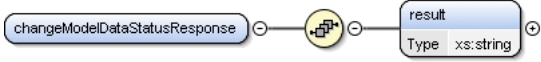
Namespace	http://www.ime.iiasa.ac.at/enrima
Diagram	
Properties	content: complex
Model	modelData
Children	modelData
Instance	<pre><w:defineModelDataResponse xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <modelData>{1,1}</modelData> </w:defineModelDataResponse></pre>
Source	<pre><xs:element name="defineModelDataResponse"> <xs:complexType> <xs:sequence> <xs:element name="modelData" type="i:modelData" minOccurs="1" maxOccurs="1"/> </xs:sequence> </xs:complexType> </xs:element></pre>

Element w:changeModelDataStatusRequest


Namespace	http://www.ime.iiasa.ac.at/enrima
Diagram	
Properties	content: complex
Model	idModelData , status
Children	idModelData, status
Instance	<pre><w:changeModelDataStatusRequest xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <idModelData>{1,1}</idModelData> <status>{1,1}</status> </w:changeModelDataStatusRequest></pre>
Source	<pre><xs:element name="changeModelDataStatusRequest"> <xs:complexType> <xs:sequence> <xs:element name="idModelData" type="xs:int" minOccurs="1" maxOccurs="1"/> <xs:element name="status" type="m:status" minOccurs="1" maxOccurs="1"/> </xs:sequence> </xs:complexType></pre>

```
</xs:element>
```


Element w:changeModelDataStatusResponse

Namespace	http://www.ime.iiasa.ac.at/enrima
Diagram	
Properties	content: complex
Model	result
Children	result
Instance	<pre><w:changeModelDataStatusResponse xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <result>{1,1}</result> </w:changeModelDataStatusResponse></pre>
Source	<pre><xs:element name="changeModelDataStatusResponse"> <xs:complexType> <xs:sequence> <xs:element name="result" type="xs:string" minOccurs="1" maxOccurs="1"/> </xs:sequence> </xs:complexType> </xs:element></pre>

Element w:defineInstanceRequest


Namespace	http://www.ime.iiasa.ac.at/enrima
Diagram	
Properties	content: complex
Model	modelInstance
Children	modelInstance
Instance	<pre><w:defineInstanceRequest xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <modelInstance>{1,1}</modelInstance> </w:defineInstanceRequest></pre>
Source	<pre><xs:element name="defineInstanceRequest"> <xs:complexType> <xs:sequence> <xs:element name="modelInstance" type="i:modelInstance" minOccurs="1" maxOccurs="1"/> </xs:sequence> </xs:complexType> </xs:element></pre>

Element w:defineInstanceResponse

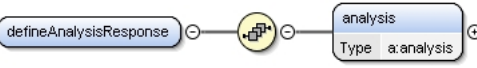
Namespace	http://www.ime.iiasa.ac.at/enrima
Diagram	
Properties	content: complex
Model	modelInstance
Children	modelInstance
Instance	<pre><w:defineInstanceResponse xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <modelInstance>{1,1}</modelInstance> </w:defineInstanceResponse></pre>
Source	<pre><xs:element name="defineInstanceResponse"> <xs:complexType> <xs:sequence> <xs:element name="modelInstance" type="i:modelInstance" minOccurs="1" maxOccurs="1"/> </xs:sequence> </xs:complexType> </xs:element></pre>

Element w:defineAnalysisRequest

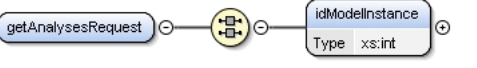
Namespace	http://www.ime.iiasa.ac.at/enrima
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Diagram	
Properties	content: complex
Model	analysis
Children	analysis
Instance	<pre><w:defineAnalysisRequest xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <analysis>{1,1}</analysis> </w:defineAnalysisRequest></pre>
Source	<pre><xs:element name="defineAnalysisRequest"> <xs:complexType> <xs:sequence> <xs:element name="analysis" type="a:analysis" minOccurs="1" maxOccurs="1"/> </xs:sequence> </xs:complexType> </xs:element></pre>


Element w:defineAnalysisResponse

Namespace	http://www.ime.iiasa.ac.at/enrima
Diagram	
Properties	content: complex
Model	analysis
Children	analysis
Instance	<pre><w:defineAnalysisResponse xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <analysis>{1,1}</analysis> </w:defineAnalysisResponse></pre>
Source	<pre><xs:element name="defineAnalysisResponse"> <xs:complexType> <xs:sequence> <xs:element name="analysis" type="a:analysis" minOccurs="1" maxOccurs="1"/> </xs:sequence> </xs:complexType> </xs:element></pre>

Element w:getAnalysesRequest

Namespace	http://www.ime.iiasa.ac.at/enrima
Diagram	
Properties	content: complex
Model	ALL(idModelInstance)
Children	idModelInstance
Instance	<pre><w:getAnalysesRequest xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <idModelInstance>{1,1}</idModelInstance> </w:getAnalysesRequest></pre>
Source	<pre><xs:element name="getAnalysesRequest"> <xs:complexType> <xs:all> <xs:element name="idModelInstance" type="xs:int" minOccurs="1" maxOccurs="1"/> </xs:all> </xs:complexType> </xs:element></pre>

Element w:getAnalysesResponse

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

Properties	content: complex
Model	analysis*
Children	analysis
Instance	<pre><w:getAnalysesResponse xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <analysis>{0,unbounded}</analysis> </w:getAnalysesResponse></pre>
Source	<pre><xs:element name="getAnalysesResponse"> <xs:complexType> <xs:sequence> <xs:element name="analysis" type="a:analysis" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element></pre>

Element w:updateSolverStatusRequest

Namespace	http://www.ime.iiasa.ac.at/enrima
Diagram	
Properties	content: complex
Model	idAnalysis , status
Children	idAnalysis, status
Instance	<pre><w:updateSolverStatusRequest xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <idAnalysis>{1,1}</idAnalysis> <status>{1,1}</status> </w:updateSolverStatusRequest></pre>
Source	<pre><xs:element name="updateSolverStatusRequest"> <xs:complexType> <xs:sequence> <xs:element name="idAnalysis" type="xs:int" minOccurs="1" maxOccurs="1"/> <xs:element name="status" type="xs:string" minOccurs="1" maxOccurs="1"/> </xs:sequence> </xs:complexType> </xs:element></pre>

Element w:updateSolverStatusResponse

Namespace	http://www.ime.iiasa.ac.at/enrima
Diagram	
Properties	content: complex
Model	result
Children	result
Instance	<pre><w:updateSolverStatusResponse xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <result>{1,1}</result> </w:updateSolverStatusResponse></pre>
Source	<pre><xs:element name="updateSolverStatusResponse"> <xs:complexType> <xs:sequence> <xs:element name="result" type="xs:string" minOccurs="1" maxOccurs="1"/> </xs:sequence> </xs:complexType> </xs:element></pre>

Element w:getSolverStatusRequest

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

Properties	content: complex
Model	idAnalysis
Children	idAnalysis
Instance	<pre><w:getSolverStatusRequest xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <idAnalysis>{1,1}</idAnalysis> </w:getSolverStatusRequest></pre>
Source	<pre><xs:element name="getSolverStatusRequest"> <xs:complexType> <xs:sequence> <xs:element name="idAnalysis" type="xs:int" minOccurs="1" maxOccurs="1"/> </xs:sequence> </xs:complexType> </xs:element></pre>

Element w:getSolverStatusResponse

Namespace	http://www.ime.iiasa.ac.at/enrima
Diagram	
Properties	content: complex
Model	result
Children	result
Instance	<pre><w:getSolverStatusResponse xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <result>{1,1}</result> </w:getSolverStatusResponse></pre>
Source	<pre><xs:element name="getSolverStatusResponse"> <xs:complexType> <xs:sequence> <xs:element name="result" type="xs:string" minOccurs="1" maxOccurs="1"/> </xs:sequence> </xs:complexType> </xs:element></pre>

Element w:definePreferenceRequest

Namespace	http://www.ime.iiasa.ac.at/enrima
Diagram	
Properties	content: complex
Model	idAnalysis , preference*
Children	idAnalysis, preference
Instance	<pre><w:definePreferenceRequest xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <idAnalysis>{1,1}</idAnalysis> <preference>{0,unbounded}</preference> </w:definePreferenceRequest></pre>
Source	<pre><xs:element name="definePreferenceRequest"> <xs:complexType> <xs:sequence> <xs:element name="idAnalysis" type="xs:int" minOccurs="1" maxOccurs="1"/> <xs:element name="preference" type="a:preference" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element></pre>

Element w:definePreferenceResponse

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

Properties	content: complex
Model	result
Children	result
Instance	<pre><w:definePreferenceResponse xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <result>{1,1}</result> </w:definePreferenceResponse></pre>
Source	<pre><xs:element name="definePreferenceResponse"> <xs:complexType> <xs:sequence> <xs:element name="result" type="xs:string" minOccurs="1" maxOccurs="1"/> </xs:sequence> </xs:complexType> </xs:element></pre>

Element w:getPreferenceRequest

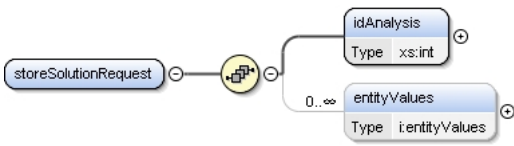
Namespace	http://www.ime.iiasa.ac.at/enrima
Diagram	
Properties	content: complex
Model	idAnalysis
Children	idAnalysis
Instance	<pre><w:getPreferenceRequest xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <idAnalysis>{1,1}</idAnalysis> </w:getPreferenceRequest></pre>
Source	<pre><xs:element name="getPreferenceRequest"> <xs:complexType> <xs:sequence> <xs:element name="idAnalysis" type="xs:int" minOccurs="1" maxOccurs="1"/> </xs:sequence> </xs:complexType> </xs:element></pre>

Element w:getPreferenceResponse

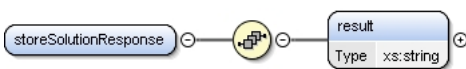
Namespace	http://www.ime.iiasa.ac.at/enrima
Diagram	
Properties	content: complex
Model	idModelSpec , idModelData , idAnalysis , preference*
Children	idAnalysis, idModelData, idModelSpec, preference
Instance	<pre><w:getPreferenceResponse xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <idModelSpec>{1,1}</idModelSpec> <idModelData>{1,1}</idModelData> <idAnalysis>{1,1}</idAnalysis> <preference>{0,unbounded}</preference> </w:getPreferenceResponse></pre>
Source	<pre><xs:element name="getPreferenceResponse"> <xs:complexType> <xs:sequence> <xs:element name="idModelSpec" type="xs:int" minOccurs="1" maxOccurs="1"/> <xs:element name="idModelData" type="xs:int" minOccurs="1" maxOccurs="1"/> <xs:element name="idAnalysis" type="xs:int" minOccurs="1" maxOccurs="1"/> <xs:element name="preference" type="a:preference" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType></pre>

```
</xs:element>
```

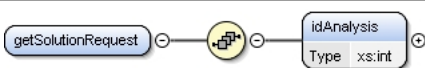
Element w:storeSolutionRequest

Namespace	http://www.ime.iiasa.ac.at/enrima
Diagram	
Properties	content: complex
Model	idAnalysis , entityValues*
Children	entityValues, idAnalysis
Instance	<pre><w:storeSolutionRequest xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <idAnalysis>{1,1}</idAnalysis> <entityValues>{0,unbounded}</entityValues> </w:storeSolutionRequest></pre>
Source	<pre><xs:element name="storeSolutionRequest"> <xs:complexType> <xs:sequence> <xs:element name="idAnalysis" type="xs:int" minOccurs="1" maxOccurs="1"/> <xs:element name="entityValues" type="i:entityValues" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element></pre>

Element w:storeSolutionResponse

Namespace	http://www.ime.iiasa.ac.at/enrima
Diagram	
Properties	content: complex
Model	result
Children	result
Instance	<pre><w:storeSolutionResponse xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <result>{1,1}</result> </w:storeSolutionResponse></pre>
Source	<pre><xs:element name="storeSolutionResponse"> <xs:complexType> <xs:sequence> <xs:element name="result" type="xs:string" minOccurs="1" maxOccurs="1"/> </xs:sequence> </xs:complexType> </xs:element></pre>

Element w:getSolutionRequest

Namespace	http://www.ime.iiasa.ac.at/enrima
Diagram	
Properties	content: complex
Model	idAnalysis
Children	idAnalysis
Instance	<pre><w:getSolutionRequest xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <idAnalysis>{1,1}</idAnalysis> </w:getSolutionRequest></pre>
Source	<pre><xs:element name="getSolutionRequest"> <xs:complexType> <xs:sequence> <xs:element name="idAnalysis" type="xs:int" minOccurs="1" maxOccurs="1"/> </xs:sequence> </xs:complexType> </xs:element></pre>

```
</xs:element>
```

Element w:getSolutionResponse

Namespace	http://www.ime.iiasa.ac.at/enrima
Diagram	
Properties	content: complex
Model	idAnalysis , entityValues*
Children	entityValues, idAnalysis
Instance	<pre><w:getSolutionResponse xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <idAnalysis>{1,1}</idAnalysis> <entityValues>{0,unbounded}</entityValues> </w:getSolutionResponse></pre>
Source	<pre><xs:element name="getSolutionResponse"> <xs:complexType> <xs:sequence> <xs:element name="idAnalysis" type="xs:int" minOccurs="1" maxOccurs="1"/> <xs:element name="entityValues" type="i:entityValues" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element></pre>

Element w:runSolverRequest

Namespace	http://www.ime.iiasa.ac.at/enrima
Diagram	
Properties	content: complex
Model	idAnalysis
Children	idAnalysis
Instance	<pre><w:runSolverRequest xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <idAnalysis>{1,1}</idAnalysis> </w:runSolverRequest></pre>
Source	<pre><xs:element name="runSolverRequest"> <xs:complexType> <xs:sequence> <xs:element name="idAnalysis" type="xs:int" minOccurs="1" maxOccurs="1"/> </xs:sequence> </xs:complexType> </xs:element></pre>

Element w:runSolverResponse

Namespace	http://www.ime.iiasa.ac.at/enrima
Diagram	
Properties	content: complex
Model	result
Children	result
Instance	<pre><w:runSolverResponse xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <result>{1,1}</result> </w:runSolverResponse></pre>
Source	<pre><xs:element name="runSolverResponse"> <xs:complexType> <xs:sequence> <xs:element name="result" type="xs:string" minOccurs="1" maxOccurs="1"/> </xs:sequence> </xs:complexType> </xs:element></pre>

Element w:runScenarioRequest

Namespace	http://www.ime.iiasa.ac.at/enrima
Diagram	
Properties	content: complex
Model	idAnalysis
Children	idAnalysis
Instance	<pre><w:runScenarioRequest xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <idAnalysis>{1,1}</idAnalysis> </w:runScenarioRequest></pre>
Source	<pre><xs:element name="runScenarioRequest"> <xs:complexType> <xs:sequence> <xs:element name="idAnalysis" type="xs:int" minOccurs="1" maxOccurs="1"/> </xs:sequence> </xs:complexType> </xs:element></pre>

Element w:runScenarioResponse

Namespace	http://www.ime.iiasa.ac.at/enrima
Diagram	
Properties	content: complex
Model	result
Children	result
Instance	<pre><w:runScenarioResponse xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <result>{1,1}</result> </w:runScenarioResponse></pre>
Source	<pre><xs:element name="runScenarioResponse"> <xs:complexType> <xs:sequence> <xs:element name="result" type="xs:string" minOccurs="1" maxOccurs="1"/> </xs:sequence> </xs:complexType> </xs:element></pre>

Element w:getBatchValuesRequest

Namespace	http://www.ime.iiasa.ac.at/enrima
Diagram	
Properties	content: complex
Model	idModelSpec , idModelData , batch
Children	batch, idModelData, idModelSpec
Instance	<pre><w:getBatchValuesRequest xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <idModelSpec>{1,1}</idModelSpec> <idModelData>{1,1}</idModelData> <batch>{1,1}</batch> </w:getBatchValuesRequest></pre>
Source	<pre><xs:element name="getBatchValuesRequest"> <xs:complexType> <xs:sequence> <xs:element name="idModelSpec" type="xs:int" minOccurs="1" maxOccurs="1"/> <xs:element name="idModelData" type="xs:int" minOccurs="1" maxOccurs="1"/> <xs:element name="batch" type="xs:string" minOccurs="1" maxOccurs="1"/> </xs:sequence> </xs:complexType> </xs:element></pre>

```

<xs:element name="batch" type="xs:string" minOccurs="1" maxOccurs="1"/>
</xs:sequence>
</xs:complexType>
</xs:element>

```

Element w:getBatchValuesResponse

Namespace	http://www.ime.iiasa.ac.at/enrima
Diagram	
Properties	content: complex
Model	idModelData , entitySpec* , batchValues*
Children	batchValues, entitySpec, idModelData
Instance	<pre> <w:getBatchValuesResponse xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <idModelData>{1,1}</idModelData> <entitySpec>{0,unbounded}</entitySpec> <batchValues>{0,unbounded}</batchValues> </w:getBatchValuesResponse> </pre>
Source	<pre> <xs:element name="getBatchValuesResponse"> <xs:complexType> <xs:sequence> <xs:element name="idModelData" type="xs:int" minOccurs="1" maxOccurs="1"/> <xs:element name="entitySpec" type="m:entitySpec" minOccurs="0" maxOccurs="unbounded"/> <xs:element name="batchValues" type="i:batchValues" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

Element w:getDataSummaryRequest

Namespace	http://www.ime.iiasa.ac.at/enrima
Diagram	
Properties	content: complex
Model	idModelData
Children	idModelData
Instance	<pre> <w:getDataSummaryRequest xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <idModelData>{1,1}</idModelData> </w:getDataSummaryRequest> </pre>
Source	<pre> <xs:element name="getDataSummaryRequest"> <xs:complexType> <xs:sequence> <xs:element name="idModelData" type="xs:int" minOccurs="1" maxOccurs="1"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

Element w:getDataSummaryResponse

Namespace	http://www.ime.iiasa.ac.at/enrima
Annotations	not complete yet, need to be discussed with the developers group
Diagram	
Properties	content: complex

Model	modelData , modelInstance*
Children	modelData, modelInstance
Instance	<pre><w:getDataSummaryResponse xmlns:w="http://www.ime.iiasa.ac.at/enrima"> <modelData>{1,1}</modelData> <modelInstance>{0,unbounded}</modelInstance> </w:getDataSummaryResponse></pre>
Source	<pre><xs:element name="getDataSummaryResponse"> <xs:annotation> <xs:documentation>not complete yet, need to be discussed with the developers group</ xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="modelData" type="i:modelData" minOccurs="1" maxOccurs="1"/> <xs:element name="modelInstance" type="i:modelInstance" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element></pre>

Simple Type(s)

Simple Type w:responseStatus

Namespace	http://www.ime.iiasa.ac.at/enrima		
Diagram	<div><div>responseStatus</div><div>xs:string</div><div>Built-in primitive type. The string datatype represents character strings in XML.</div></div>		
Type	restriction of xs:string		
Facets	enumeration	OK	
	enumeration	INVALID_SETNAME	
	enumeration	INVALID_DATAUPDATE	
	enumeration	INVALID_ITERATOR	
	enumeration	INVALID_SET_MEMBER	
	enumeration	INVALID_VALUE	
	enumeration	INVALID_ENTITYNAME	
	enumeration	BOUND_VIOLATION	
	enumeration	UNKOWN_EXECEPTION	
Used by	Elements	w:removeEntityValuesResponse/status, w:removeSetMembersResponse/status, w:storeEntityValuesResponse/status, w:storeMainSetResponse/status, w:storeSetMembersResponse/status	
Source	<xs:simpleType name="responseStatus"> <xs:restriction base="xs:string"> <xs:enumeration value="OK"/> <xs:enumeration value="INVALID_SETNAME"/> <xs:enumeration value="INVALID_DATAUPDATE"/> <xs:enumeration value="INVALID_ITERATOR"/> <xs:enumeration value="INVALID_SET_MEMBER"/> <xs:enumeration value="INVALID_VALUE"/> <xs:enumeration value="INVALID_ENTITYNAME"/> <xs:enumeration value="BOUND_VIOLATION"/> <xs:enumeration value="UNKOWN_EXECEPTION"/> </xs:restriction> </xs:simpleType>		

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

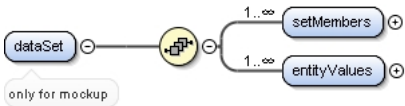
Schema(s)

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

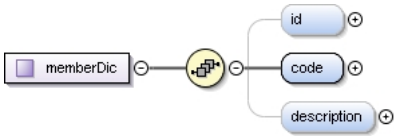
Namespace	http://www.ime.iiasa.ac.at/model/instance
Annotations	only for mockup
Diagram	
Properties	content: complex
Model	setMembers+, entityValues+
Children	entityValues, setMembers
Instance	<pre><i:dataSet xmlns:i="http://www.ime.iiasa.ac.at/model/instance"> <setMembers>{1,unbounded}</setMembers> <entityValues>{1,unbounded}</entityValues> </i:dataSet></pre>
Source	<pre><xs:element name="dataSet"> <xs:annotation> <xs:documentation>only for mockup</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="setMembers" type="i:setMembers" minOccurs="1" maxOccurs="unbounded" /> <xs:element name="entityValues" type="i:entityValues" minOccurs="1" maxOccurs="unbounded" /> </xs:sequence> </xs:complexType> </xs:element></pre>

Complex Type(s)

Complex Type i:tupleValue

Namespace	http://www.ime.iiasa.ac.at/model/instance
Diagram	
Used by	Element w:getEntityValuesResponse/tupleValue
Model	tupleMember*, value
Children	tupleMember, value
Source	<pre><xs:complexType name="tupleValue"> <xs:sequence> <xs:element name="tupleMember" type="i:memberDic" minOccurs="0" maxOccurs="unbounded" /> <xs:element name="value" type="i:value" /> </xs:sequence> </xs:complexType></pre>

Complex Type i:memberDic

Namespace	http://www.ime.iiasa.ac.at/model/instance
Diagram	
Used by	Elements i:batchValues/tupleMember, i:tupleValue/tupleMember, w:getSetMembersRequest/tupleMember, w:getSetMembersResponse/member, w:storeMainSetRequest/member
Model	id{0,1}, code, description{0,1}
Children	code, description, id
Source	<pre><xs:complexType name="memberDic"> <xs:sequence> <xs:element name="id" type="xs:int" minOccurs="0" maxOccurs="1" /> <xs:element name="code" type="m:name" /> </xs:sequence> </xs:complexType></pre>

```

<xs:element name="description" type="m:description" minOccurs="0" maxOccurs="1"/>
</xs:sequence>
</xs:complexType>

```

Complex Type i:value

Namespace	http://www.ime.iiasa.ac.at/model/instance
Diagram	
Used by	Elements i:batchValues/value, i:tupleValue/value, i:tupleValues/value
Model	intValue doubleValue
Children	doubleValue, intValue
Source	<pre> <xs:complexType name="value"> <xs:choice> <xs:element name="intValue" type="xs:int"/> <xs:element name="doubleValue" type="xs:double"/> </xs:choice> </xs:complexType> </pre>

Complex Type i:setMembers

Namespace	http://www.ime.iiasa.ac.at/model/instance
Diagram	
Used by	Elements i:dataSet/setMembers, w:removeSetMembersRequest/setMembers, w:storeSetMembersRequest/setMembers
Model	setShortName , tupleMembers*
Children	setShortName, tupleMembers
Source	<pre> <xs:complexType name="setMembers"> <xs:sequence> <xs:element name="setShortName" type="xs:string"/> <xs:element name="tupleMembers" type="i:tupleMembers" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </pre>

Complex Type i:tupleMembers

Namespace	http://www.ime.iiasa.ac.at/model/instance
Diagram	
Used by	Element i:setMembers/tupleMembers
Model	tuple{0,1} , members
Children	members, tuple
Source	<pre> <xs:complexType name="tupleMembers"> <xs:sequence> <xs:element name="tuple" type="xs:string" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation>only for indexed set, tuple members are separated by , for example: AT,2007</xs:documentation> </xs:annotation> </xs:element> <xs:element name="members" type="xs:string" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation>set members are separated by , for example: AT,AU,PL</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </pre>

```

</xs:sequence>
</xs:complexType>

```

Complex Type i:entityValues

Namespace	http://www.ime.iiasa.ac.at/model/instance
Diagram	
Used by	Elements i:dataSet/entityValues, w:getSolutionResponse/entityValues, w:removeEntityValuesRequest/entityValues, w:storeEntityValuesRequest/entityValues, w:storeSolutionRequest/entityValues
Model	entityShortName , tupleValues*
Children	entityShortName, tupleValues
Source	<pre> <xs:complexType name="entityValues"> <xs:sequence> <xs:element name="entityShortName" type="xs:string" /> <xs:element name="tupleValues" type="i:tupleValues" minOccurs="0" maxOccurs="unbounded" /> </xs:sequence> </xs:complexType> </pre>

Complex Type i:tupleValues

Namespace	http://www.ime.iiasa.ac.at/model/instance
Diagram	
Used by	Element i:entityValues/tupleValues
Model	tuple{0,1} , value
Children	tuple, value
Source	<pre> <xs:complexType name="tupleValues"> <xs:sequence> <xs:element name="tuple" type="xs:string" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation>tuple members are separated by , for example: AT,2007</xs:documentation> </xs:annotation> </xs:element> <xs:element name="value" type="i:value" /> </xs:sequence> </xs:complexType> </pre>

Complex Type i:modelData

Namespace	http://www.ime.iiasa.ac.at/model/instance
Diagram	
Used by	Elements w:defineModelDataRequest/modelData, w:defineModelDataResponse/modelData, w:getDataSummaryResponse/modelData
Model	id{0,1} , idModelSpec+ , idParent{0,1} , description{0,1} , status
Children	description, id, idModelSpec, idParent, status
Source	<pre> <xs:complexType name="modelData"> <xs:sequence> <xs:element name="id" type="xs:int" minOccurs="0" maxOccurs="1" /> <xs:element name="idModelSpec" type="xs:int" minOccurs="1" maxOccurs="unbounded" /> <xs:element name="idParent" type="xs:int" minOccurs="0" maxOccurs="1" /> <xs:element name="description" type="m:description" minOccurs="0" maxOccurs="1" /> </xs:sequence> </xs:complexType> </pre>

```

<xs:element name="status" type="m:status" minOccurs="1" maxOccurs="1"/>
</xs:sequence>
</xs:complexType>

```

Complex Type i:modelInstance

Namespace	http://www.ime.iiasa.ac.at/model/instance
Diagram	
Used by	Elements w:defineInstanceRequest/modelInstance, w:defineInstanceResponse/modelInstance, w:getDataSummaryResponse/modelInstance
Model	id{0,1} , idModelSpec , idModelData , shortName{0,1} , name{0,1} , description{0,1}
Children	description, id, idModelData, idModelSpec, name, shortName
Source	<pre> <xs:complexType name="modelInstance"> <xs:sequence> <xs:element name="id" type="xs:int" minOccurs="0" maxOccurs="1"/> <xs:element name="idModelSpec" type="xs:int" minOccurs="1" maxOccurs="1"/> <xs:element name="idModelData" type="xs:int" minOccurs="1" maxOccurs="1"/> <xs:element name="shortName" type="m:shortName" minOccurs="0" maxOccurs="1"/> <xs:element name="name" type="m:name" minOccurs="0" maxOccurs="1"/> <xs:element name="description" type="m:description" minOccurs="0" maxOccurs="1"/> </xs:sequence> </xs:complexType> </pre>

Complex Type i:batchValues

Namespace	http://www.ime.iiasa.ac.at/model/instance
Diagram	
Used by	Element w:getBatchValuesResponse/batchValues
Model	tupleMember* , value*
Children	tupleMember, value
Source	<pre> <xs:complexType name="batchValues"> <xs:sequence> <xs:element name="tupleMember" type="i:memberDic" minOccurs="0" maxOccurs="unbounded"/> <xs:element name="value" type="i:value" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </pre>

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

Namespace	http://www.ime.iiasa.ac.at/model/spec
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Diagram	
Used by	Element <code>w:getSMSResponse/modelSpec</code>
Model	<code>id{0,1}</code> , <code>shortName</code> , <code>name{0,1}</code> , <code>description{0,1}</code> , <code>status</code> , <code>setSpec+</code> , <code>entitySpec+</code>
Children	<code>description</code> , <code>entitySpec</code> , <code>id</code> , <code>name</code> , <code>setSpec</code> , <code>shortName</code> , <code>status</code>
Source	<pre> <xs:complexType name="modelSpec"> <xs:sequence> <xs:element name="id" type="xs:int" minOccurs="0" maxOccurs="1"/> <xs:element name="shortName" type="m:shortName"/> <xs:element name="name" type="m:name" minOccurs="0" maxOccurs="1"/> <xs:element name="description" type="m:description" minOccurs="0" maxOccurs="1"/> <xs:element name="status" type="m:status"/> <xs:element name="setSpec" type="m:setSpec" maxOccurs="unbounded"/> <xs:element name="entitySpec" type="m:entitySpec" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </pre>

Complex Type `m:setSpec`

Namespace	<code>http://www.ime.iiasa.ac.at/model/spec</code>
Diagram	
Used by	Element <code>m:modelSpec/setSpec</code>
Model	<code>id{0,1}</code> , <code>idParent{0,1}</code> , <code>shortName</code> , <code>name{0,1}</code> , <code>description{0,1}</code> , <code>type</code> , <code>idx{0,1}</code> , <code>iteratorContainer{0,1}</code>
Children	<code>description</code> , <code>id</code> , <code>idParent</code> , <code>idx</code> , <code>iteratorContainer</code> , <code>name</code> , <code>shortName</code> , <code>type</code>
Source	<pre> <xs:complexType name="setSpec"> <xs:sequence> <xs:element name="id" type="xs:int" minOccurs="0" maxOccurs="1"/> <xs:element name="idParent" type="xs:int" minOccurs="0" maxOccurs="1"> <xs:annotation base="true"> <xs:documentation>only for sub set</xs:documentation> </xs:annotation> </xs:element> <xs:element name="shortName" type="m:shortName"/> <xs:element name="name" type="m:name" minOccurs="0" maxOccurs="1"/> <xs:element name="description" type="m:description" minOccurs="0" maxOccurs="1"/> <xs:element name="type" type="m:setSpecType"/> <xs:element name="idx" type="xs:string" minOccurs="0" maxOccurs="1"> <xs:annotation base="true"> <xs:documentation>default index name (for main set only)</xs:documentation> </xs:annotation> </xs:element> <xs:element name="iteratorContainer" type="m:iteratorContainer" minOccurs="0" maxOccurs="1"> <xs:annotation base="true"> <xs:documentation>for index set only</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </pre>


```

</xs:element>
<xs:element name="iteratorContainer" type="m:iteratorContainer" minOccurs="0" maxOccurs="1">
  <xs:annotation>
    <xs:documentation>for index set only</xs:documentation>
  </xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>

```

Complex Type m:iteratorContainer

Namespace	http://www.ime.iiasa.ac.at/model/spec
Diagram	
Used by	Elements m:entitySpec/iteratorContainer, m:setSpec/iteratorContainer
Model	idSetSpec+
Children	idSetSpec
Source	<pre> <xs:complexType name="iteratorContainer"> <xs:sequence> <xs:element name="idSetSpec" type="xs:int" minOccurs="1" maxOccurs="unbounded" /> </xs:sequence> </xs:complexType> </pre>

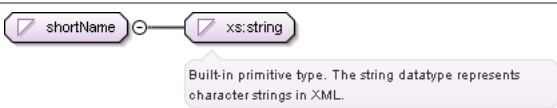
Complex Type m:entitySpec

Namespace	http://www.ime.iiasa.ac.at/model/spec
Diagram	
Used by	Elements m:modelSpec/entitySpec, w:getBatchValuesResponse/entitySpec, w:getEntityValuesResponse/entitySpec

Model	id{0,1} , shortName , name{0,1} , description{0,1} , idLowerBound{0,1} , idUpperBound{0,1} , constantValue{0,1} , iteratorContainer{0,1} , role{0,1} , mathType , unit{0,1} , formula{0,1} , source{0,1} , group* , modelSpec{0,1} , batch*
Children	batch, constantValue, description, formula, group, id, idLowerBound, idUpperBound, iteratorContainer, mathType, modelSpec, name, role, shortName, source, unit
Source	<pre> <xs:complexType name="entitySpec"> <xs:sequence> <xs:element name="id" type="xs:int" minOccurs="0" maxOccurs="1"/> <xs:element name="shortName" type="m:shortName"/> <xs:element name="name" type="m:name" minOccurs="0" maxOccurs="1"/> <xs:element name="description" type="m:description" minOccurs="0" maxOccurs="1"/> <xs:element name="idLowerBound" type="xs:int" minOccurs="0" maxOccurs="1"/> <xs:element name="idUpperBound" type="xs:int" minOccurs="0" maxOccurs="1"/> <xs:element name="constantValue" type="xs:double" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation>optional, only for constant type of entity</xs:documentation> </xs:annotation> </xs:element> <xs:element name="iteratorContainer" type="m:iteratorContainer" minOccurs="0" maxOccurs="1"/> <xs:element name="role" type="m:entityRole" minOccurs="0" maxOccurs="1"/> <xs:element name="mathType" type="m:mathType" minOccurs="1" maxOccurs="1"/> <xs:element name="unit" type="xs:string" minOccurs="0" maxOccurs="1"/> <xs:element name="formula" type="xs:string" minOccurs="0" maxOccurs="1"/> <xs:element name="source" type="xs:string" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation>specification of the data source (optional, but very useful for organizing data management processes</xs:documentation> </xs:annotation> </xs:element> <xs:element name="group" type="xs:string" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>for grouping parameters (optional, but very useful for management of the data access rights).</xs:documentation> </xs:annotation> </xs:element> <xs:element name="modelSpec" type="xs:string" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation>which modelSpec it belongs</xs:documentation> </xs:annotation> </xs:element> <xs:element name="batch" type="xs:string" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>define subset of entity which has same index/indices structure</ xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </pre>


Simple Type(s)

Simple Type m:shortName

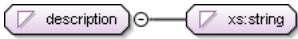
Namespace	http://www.ime.iiasa.ac.at/model/spec				
Diagram					
Type	restriction of xs:string				
Facets	<table> <tr> <td>minLength</td><td>1</td></tr> <tr> <td>maxLength</td><td>16</td></tr> </table>	minLength	1	maxLength	16
minLength	1				
maxLength	16				
Used by	Elements a:analysis/shortName, i:modelInstance/shortName, m:entitySpec/shortName, m:modelSpec/shortName, m:setSpec/shortName				
Source	<pre> <xs:simpleType name="shortName"> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="16"/> </xs:restriction> </xs:simpleType> </pre>				

Simple Type m:name


Namespace	http://www.ime.iiasa.ac.at/model/spec
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Diagram	 <p>Built-in primitive type. The string datatype represents character strings in XML.</p>				
Type	restriction of xs:string				
Facets	<table border="1"> <tr> <td>minLength</td><td>1</td></tr> <tr> <td>maxLength</td><td>64</td></tr> </table>	minLength	1	maxLength	64
minLength	1				
maxLength	64				
Used by	Elements a:analysis/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:maxLength value="64" /> </xs:restriction> </xs:simpleType></pre>				

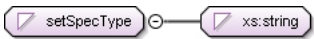
Simple Type m:description

Namespace	http://www.ime.iiasa.ac.at/model/spec				
Diagram	 <p>Built-in primitive type. The string datatype represents character strings in XML.</p>				
Type	restriction of xs:string				
Facets	<table border="1"> <tr> <td>minLength</td><td>1</td></tr> <tr> <td>maxLength</td><td>1000</td></tr> </table>	minLength	1	maxLength	1000
minLength	1				
maxLength	1000				
Used by	Elements a:analysis/description, i:memberDic/description, i:modelData/description, i:modelInstance/description, m:entitySpec/description, m:modelSpec/description, m:setSpec/description				
Source	<pre><xs:simpleType name="description"> <xs:restriction base="xs:string"> <xs:minLength value="1" /> <xs:maxLength value="1000" /> </xs:restriction> </xs:simpleType></pre>				

Simple Type m:status

Namespace	http://www.ime.iiasa.ac.at/model/spec						
Diagram	 <p>Built-in primitive type. The string datatype represents character strings in XML.</p>						
Type	restriction of xs:string						
Facets	<table border="1"> <tr> <td>enumeration</td><td>EDIT</td></tr> <tr> <td>enumeration</td><td>TEST</td></tr> <tr> <td>enumeration</td><td>COMMITTED</td></tr> </table>	enumeration	EDIT	enumeration	TEST	enumeration	COMMITTED
enumeration	EDIT						
enumeration	TEST						
enumeration	COMMITTED						
Used by	Elements i:modelData/status, m:modelSpec/status, w:changeModelDataStatusRequest/status						
Source	<pre><xs:simpleType name="status"> <xs:restriction base="xs:string"> <xs:enumeration value="EDIT" /> <xs:enumeration value="TEST" /> <xs:enumeration value="COMMITTED" /> </xs:restriction> </xs:simpleType></pre>						

Simple Type m:setSpecType

Namespace	http://www.ime.iiasa.ac.at/model/spec
Diagram	 <p>Built-in primitive type. The string datatype represents character strings in XML.</p>

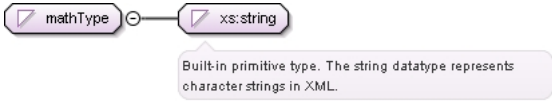
Type	restriction of xs:string	
Facets	enumeration	MAINSET
	enumeration	SUBSET
	enumeration	INDEXEDSUBSET
Used by	Element	m:setSpec/type
Source	<pre> <xs:simpleType name="setSpecType"> <xs:restriction base="xs:string"> <xs:enumeration value="MAINSET" /> <xs:enumeration value="SUBSET" /> <xs:enumeration value="INDEXEDSUBSET" /> </xs:restriction> </xs:simpleType> </pre>	

Simple Type m:entityRole

Namespace	http://www.ime.iiasa.ac.at/model/spec		
Diagram			
Type	restriction of xs:string		
Facets	enumeration	CONSTANT	
	enumeration	PARAMETER	
	enumeration	DECISION_VAR	
	enumeration	EXTERNAL_DECISION_VAR	
	enumeration	OUTCOME_VAR	
	enumeration	AUXILIARY_VAR	
	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	<pre><xs:simpleType name="entityRole"> <xs:restriction base="xs:string"> <xs:enumeration value="CONSTANT" /> <xs:enumeration value="PARAMETER" /> <xs:enumeration value="DECISION_VAR" /> <xs:enumeration value="EXTERNAL_DECISION_VAR" /> <xs:enumeration value="OUTCOME_VAR" /> <xs:enumeration value="AUXILIARY_VAR" /> <xs:enumeration value="ASSIGNMENT" /> <xs:enumeration value="CONSTRAINT" /> <xs:enumeration value="A_VARIABLE"> <xs:annotation> <xs:documentation>any type of variable: DECISION_VAR, EXTERNAL_DECISION_VAR,OUTCOME_VAR,or AUXILIARY_VAR</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="A_FORMULA"> <xs:annotation> <xs:documentation>any type of formula: ASSIGNMENT or CONSTRAINT</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType></pre>		

Simple Type m:mathType

Namespace	http://www.ime.iiasa.ac.at/model/spec
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Diagram					
Type	restriction of xs:string				
Facets	<table border="1"> <tr> <td>enumeration</td> <td>INTEGER</td> </tr> <tr> <td>enumeration</td> <td>REAL</td> </tr> </table>	enumeration	INTEGER	enumeration	REAL
enumeration	INTEGER				
enumeration	REAL				
Used by	Element m:entitySpec/mathType				
Source	<pre> <xs:simpleType name="mathType"> <xs:restriction base="xs:string"> <xs:enumeration value="INTEGER"/> <!-- <xs:enumeration value="BINARY"/> --> <xs:enumeration value="REAL"/> </xs:restriction> </xs:simpleType> </pre>				

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

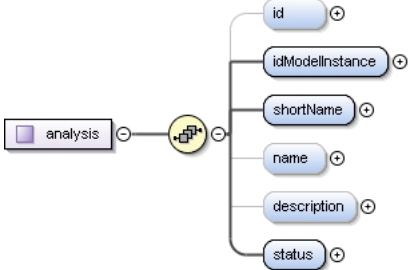
Schema(s)

Imported schema ana.xsd

Namespace	http://www.ime.iiasa.ac.at/model/analysis				
Properties	<table border="1"> <tr> <td>attribute form default:</td> <td>unqualified</td> </tr> <tr> <td>element form default:</td> <td>unqualified</td> </tr> </table>	attribute form default:	unqualified	element form default:	unqualified
attribute form default:	unqualified				
element form default:	unqualified				

Complex Type(s)

Complex Type a:analysis

Namespace	http://www.ime.iiasa.ac.at/model/analysis
Diagram	
Used by	Elements w:defineAnalysisRequest/analysis, w:defineAnalysisResponse/analysis, w:getAnalysesResponse/analysis
Model	id{0,1} , idModelInstance , shortName , name{0,1} , description{0,1} , status
Children	description, id, idModelInstance, name, shortName, status
Source	<pre> <xs:complexType name="analysis"> <xs:sequence> <xs:element name="id" type="xs:int" minOccurs="0" maxOccurs="1"/> <xs:element name="idModelInstance" type="xs:int" minOccurs="1" maxOccurs="1"/> <xs:element name="shortName" type="m:shortName"/> <xs:element name="name" type="m:name" minOccurs="0" maxOccurs="1"/> <xs:element name="description" type="m:description" minOccurs="0" maxOccurs="1"/> <xs:element name="status" type="xs:string" minOccurs="1" maxOccurs="1"/> </xs:sequence> </xs:complexType> </pre>

Complex Type a:preference

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

Diagram	
Used by	Elements w:definePreferenceRequest/preference, w:getPreferenceResponse/preference
Model	idEntitySpec , preferenceType , prefValue{0,1}
Children	idEntitySpec, prefValue, preferenceType
Source	<pre> <xs:complexType name="preference"> <xs:annotation> <xs:documentation>need to be discussed within the developers group</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="idEntitySpec" type="xs:int" minOccurs="1" maxOccurs="1"/> <xs:element name="preferenceType" type="a:preferenceType" minOccurs="1" maxOccurs="1"/> <xs:element name="prefValue" type="xs:double" minOccurs="0" maxOccurs="1"/> </xs:sequence> </xs:complexType> </pre>

Simple Type(s)

Simple Type a:preferenceType

Namespace	http://www.ime.iiasa.ac.at/model/analysis								
Annotations	need to be discussed within the developers group								
Diagram									
Type	restriction of xs:string								
Facets	<table> <tr> <td>enumeration</td><td>MIN</td></tr> <tr> <td>enumeration</td><td>MAX</td></tr> <tr> <td>enumeration</td><td>LOWER_BND</td></tr> <tr> <td>enumeration</td><td>UPPER_BND</td></tr> </table>	enumeration	MIN	enumeration	MAX	enumeration	LOWER_BND	enumeration	UPPER_BND
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:documentation>need to be discussed within the developers group</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="MIN"/> <xs:enumeration value="MAX"/> <xs:enumeration value="LOWER_BND"/> <xs:enumeration value="UPPER_BND"/> </xs:restriction> </xs:simpleType> </pre>								