Schema documentation for sms.xsd

september 11, 2012

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

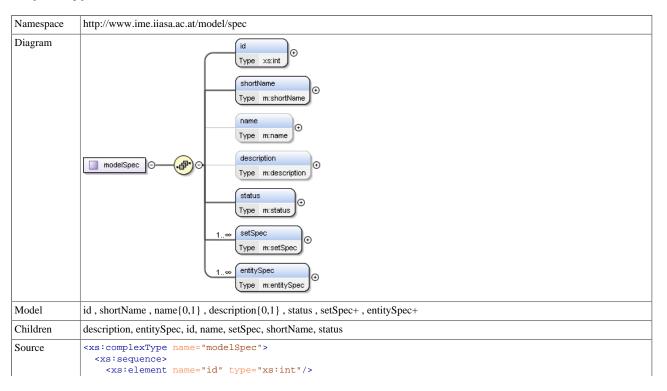
Schema(s)

Main schema sms.xsd

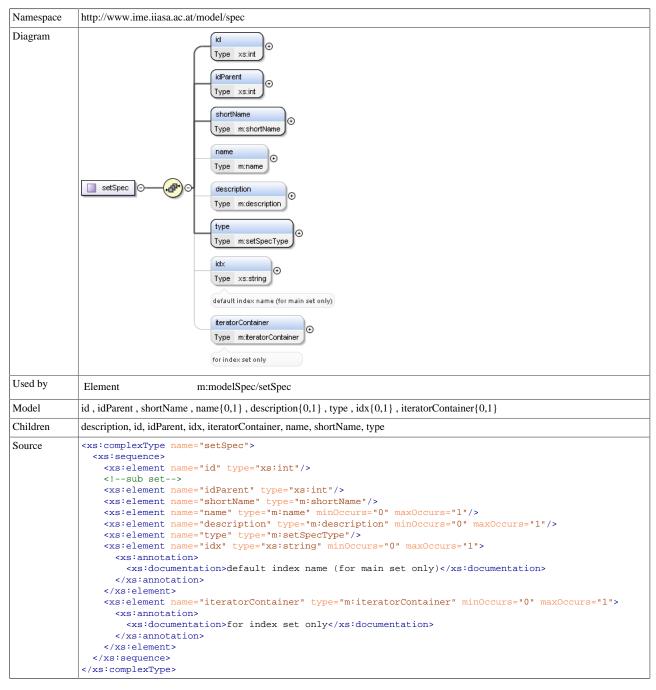
Namespace	http://www.ime.iiasa.ac.at/model/spec		
Properties	attribute form default: unqualified		
	element form default: unqualified		

Complex Type(s)

Complex Type m:modelSpec



Complex Type m: setSpec

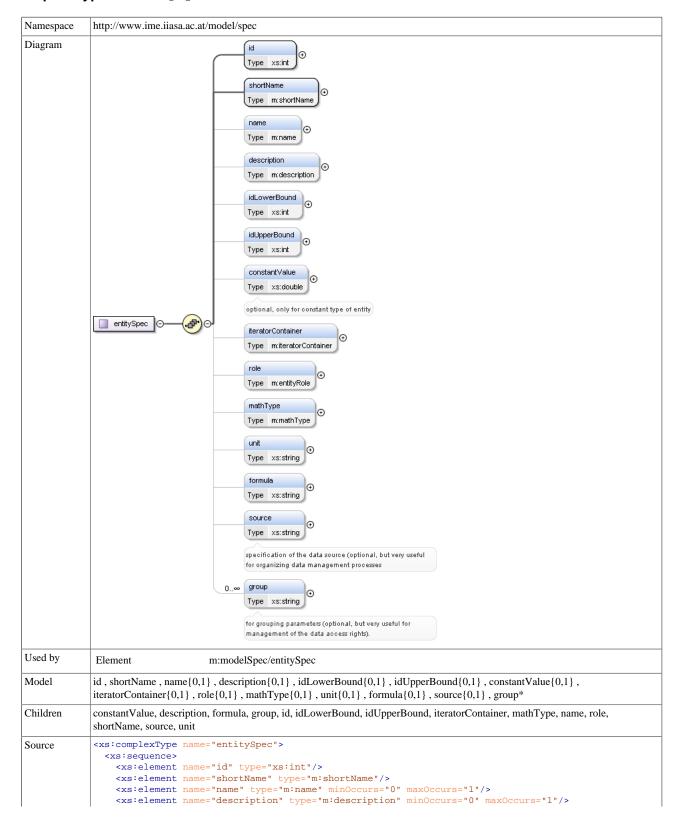


Complex Type m: iteratorContainer



Model	idSetSpec+	
Children	idSetSpec	1
Source	<pre><xs:complextype name="iteratorContainer"></xs:complextype></pre>	

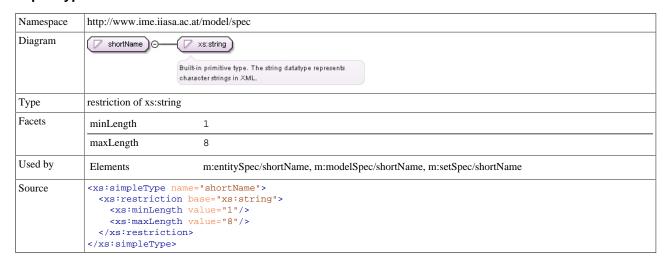
Complex Type m:entitySpec



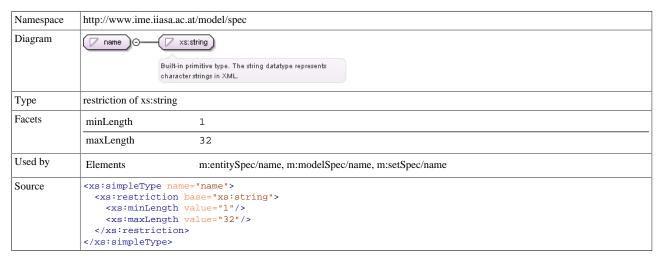
```
<xs:element name="idLowerBound" type="xs:int" minOccurs="0" maxOccurs="1"/>
<xs:element name="idUpperBound" type="xs:int" minOccurs="0" maxOccurs="1"/>
         <xs:element name="constantValue" type="xs:double" minOccurs="0" maxOccurs="1">
              <xs:annotation>
                    <xs:documentation>optional, 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="0" 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>
                    \verb| <xs: documentation > for grouping parameters (optional, but very useful for management of the lightest content of the light of the lightest content of the lightest conte
 data access rights).</xs:documentation>
              </xs:annotation>
          </xs:element>
    </xs:sequence>
</xs:complexType>
```

Simple Type(s)

Simple Type m: shortName



Simple Type m:name



Simple Type m:description

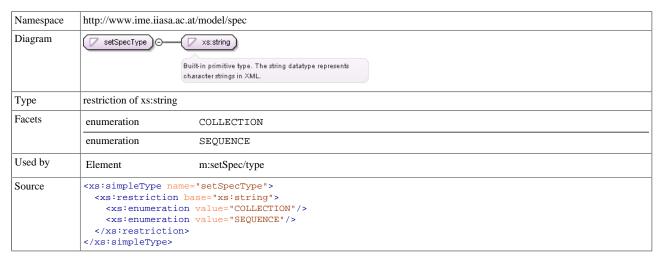
Namespace	http://www.ime.iiasa.ac.at/model/spec
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Diagram	description 🔾	Built-in primitive type. The string datatype represents character strings in XML.
Type	restriction of xs:stri	ng
Facets	minLength	1
	maxLength	512
Used by	Elements	m:entitySpec/description, m:modelSpec/description, m:setSpec/description
Source	<pre><xs:simpletype name="description"> <xs:restriction base="xs:string"></xs:restriction></xs:simpletype></pre>	

Simple Type m: status

Namespace	http://www.ime.iiasa.ac.at/model/spec		
Diagram	Built-in primitive type. The string datatype represents oharacter strings in XML.		
Туре	restriction of xs:string		
Facets	enumeration	EDIT	
	enumeration	TEST	
	enumeration	COMMITTED	
Used by	Element	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



Type	restriction of xs:strin	g		
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	<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:simpletype name="entityRole"></xs:simpletype></pre>			

Simple Type m:mathType

Namespace	http://www.ime.iiasa.ac.at/model/spec		
Diagram		xs:string in primitive type. The string datatype represents acter strings in XML.	
Туре	restriction of xs:string		
Facets	enumeration	INTEGER	
	enumeration	BINARY	
	enumeration	REAL	
Used by	Element	m:entitySpec/mathType	
Source	<pre><xs:enumeration< pre=""></xs:enumeration<></pre>	pase="xs:string"> i value="INTEGER"/> i value="BINARY"/> i value="REAL"/>	