

Automatically generated documentation

for Information Delivery Specification

DRAFT 0.5.4

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schema location: [ids_05.xsd](#)
attributeFormDefault: **unqualified**
elementFormDefault: **qualified**
targetNamespace: **<http://standards.buildingsmart.org/IDS>**

Elements	Complex types
ids	applicabilityType
	attributeType
	classificationType
	entityType
	idsValue
	materialType
	propertyType
	requirementsType
	specificationsType
	specificationType
	systemType

schema location: [C:\ProgramData\Altova\Common2022\Schemas\schema\files\W3C_2001\xml.xsd](#)
attributeFormDefault:
elementFormDefault:
targetNamespace: **<http://www.w3.org/XML/1998/namespace>**

Attributes	Attr. groups
base	specialAttrs
id	
lang	
space	

schema location: <https://www.w3.org/2001/XMLSchema.xsd>
attributeFormDefault:
elementFormDefault: **qualified**
blockDefault: **#all**
targetNamespace: **<http://www.w3.org/2001/XMLSchema>**

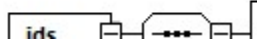
Elements	Groups	Complex types	Simple types	Attr. groups	Notations
all	allModel	all	allNNI	defRef	XML
annotation	attrDecls	annotated	anyURI	occurs	XMLSchemaStructures
any	complexTypeModel	anyType	base64Binary		
anyAttribute	facets	attribute	blockSet		
appinfo	identityConstraint	attributeGroup	boolean		
attribute	nestedParticle	attributeGroupRef	byte		
attributeGroup	particle	complexRestrictionType	date		
choice	redefinable	complexType	dateTime		
complexContent	schemaTop	element	decimal		
complexType	simpleDerivation	explicitGroup	derivationControl		
documentation	simpleRestrictionModel	extensionType	derivationSet		
element	typeDefParticle	facet	double		
enumeration		group	duration		
field		groupRef	ENTITIES		
fractionDigits		keybase	ENTITY		
group		localComplexType	float		
import		localElement	formChoice		
include		localSimpleType	fullDerivationSet		
key		namedAttributeGroup	gDay		
keyref		namedGroup	gMonth		
length		narrowMaxMin	gMonthDay		
list		noFixedFacet	gYear		
maxExclusive		numFacet	gYearMonth		
maxInclusive		openAttrs	hexBinary		
maxLength		realGroup	ID		
minExclusive		restrictionType	IDREF		
minInclusive		simpleExplicitGroup	IDREFS		
minLength		simpleExtensionType	int		
notation		simpleRestrictionType	integer		
pattern		simpleType	language		
redefine		topLevelAttribute	long		
restriction		topLevelComplexType	Name		
schema		topLevelElement	namespaceList		
selector		topLevelSimpleType	NCName		
sequence		wildcard	negativeInteger		
simpleContent			NMTOKEN		
simpleType			NMTOKENS		
totalDigits			nonNegativeInteger		
union			nonPositiveInteger		
unique			normalizedString		
whiteSpace			NOTATION		
			positiveInteger		
			public		
			QName		
			reducedDerivationControl		
			short		
			simpleDerivationSet		
			string		
			time		
			token		
			typeDerivationControl		
			unsignedByte		
			unsignedInt		
			unsignedLong		
			unsignedShort		

schema location: <http://www.w3.org/2001/XMLSchema-instance>
attributeFormDefault:
elementFormDefault:
targetNamespace: **http://www.w3.org/2001/XMLSchema-instance**

Attributes

[nil](#)
[noNamespaceSchemaLocation](#)
[schemaLocation](#)
[type](#)


element **ids**

diagram	
namespace	http://standards.buildingsmart.org/IDS
properties	content complex
children	ids:info ids:specifications
source	<pre> <xs:element name="ids"> <xs:complexType> <xs:sequence> <xs:element name="info"> <xs:complexType> <xs:sequence> <xs:element name="title" type="xs:string"/> <xs:element name="copyright" type="xs:string" minOccurs="0"/> <xs:element name="version" type="xs:string" minOccurs="0"/> <xs:element name="description" type="xs:string" minOccurs="0"/> <xs:element name="author" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:pattern value="^[@]+@[^\.\.]+\.\.+"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="date" type="xs:date" minOccurs="0"/> <xs:element name="purpose" type="xs:string" minOccurs="0"/> <xs:element name="milestone" type="xs:string" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="specifications"> <xs:complexType> <xs:complexContent> <xs:extension base="ids:specificationsType"/> </xs:complexContent> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>


element **ids/info**

diagram	
namespace	http://standards.buildingsmart.org/IDS
properties	content complex
children	ids:title ids:copyright ids:version ids:description ids:author ids:date ids:purpose ids:milestone
source	<pre> <xs:element name="info"> <xs:complexType> <xs:sequence> <xs:element name="title" type="xs:string"/> <xs:element name="copyright" type="xs:string" minOccurs="0"/> <xs:element name="version" type="xs:string" minOccurs="0"/> <xs:element name="description" type="xs:string" minOccurs="0"/> <xs:element name="author" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:pattern value="^[^@]+@[^\.\.]+\.\.+"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="date" type="xs:date" minOccurs="0"/> <xs:element name="purpose" type="xs:string" minOccurs="0"/> <xs:element name="milestone" type="xs:string" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **ids/info/title**


diagram	
namespace	http://standards.buildingsmart.org/IDS
type	xs:string
properties	content simple
source	<pre> <xs:element name="title" type="xs:string"/> </pre>

element **ids/info/copyright**

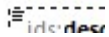
diagram	
namespace	http://standards.buildingsmart.org/IDS

type	xs:string
properties	minOcc 0 maxOcc 1 content simple
source	<code><xs:element name="copyright" type="xs:string" minOccurs="0"/></code>

element **ids/info/version**

diagram	
namespace	http://standards.buildingsmart.org/IDS
type	xs:string
properties	minOcc 0 maxOcc 1 content simple
source	<code><xs:element name="version" type="xs:string" minOccurs="0"/></code>


element **ids/info/description**

diagram	
namespace	http://standards.buildingsmart.org/IDS
type	xs:string
properties	minOcc 0 maxOcc 1 content simple
source	<code><xs:element name="description" type="xs:string" minOccurs="0"/></code>


element **ids/info/author**

diagram	
namespace	http://standards.buildingsmart.org/IDS
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation pattern <code>[^@]+@[^\.\.]+\.</code>
source	<pre> <xs:element name="author" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:pattern value="[^@]+@[^\.\.]+\."/> </xs:restriction> </xs:simpleType> </xs:element> </pre>

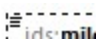
element **ids/info/date**

diagram	
namespace	http://standards.buildingsmart.org/IDS
type	xs:date
properties	minOcc 0 maxOcc 1 content simple
source	<code><xs:element name="date" type="xs:date" minOccurs="0"/></code>


element **ids/info/purpose**

diagram	
namespace	http://standards.buildingsmart.org/IDS
type	xs:string
properties	minOcc 0 maxOcc 1 content simple
source	<code><xs:element name="purpose" type="xs:string" minOccurs="0"/></code>

element **ids/info/milestone**


diagram	
namespace	http://standards.buildingsmart.org/IDS
type	xs:string
properties	minOcc 0 maxOcc 1 content simple
source	<code><xs:element name="milestone" type="xs:string" minOccurs="0"/></code>

element **ids/specifications**

diagram	
namespace	http://standards.buildingsmart.org/IDS
type	extension of ids:specificationsType
properties	content complex
children	ids:specification
source	<code><xs:element name="specifications"> <xs:complexType> <xs:complexContent></code>

	<pre> <xs:extension base="ids:specificationsType"/> </xs:complexContent> </xs:complexType> </xs:element> </pre>
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complexType **applicabilityType**

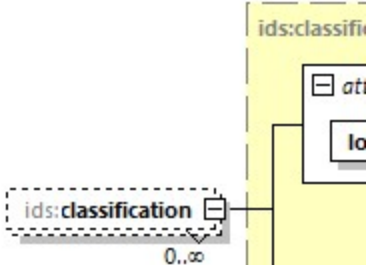
diagram	
namespace	http://standards.buildingsmart.org/IDS
children	ids:entity ids:classification ids:attribute ids:property ids:material
used by	element specificationType/applicability
source	<pre> <xs:complexType name="applicabilityType"> <xs:sequence> <xs:element name="entity" type="ids:entityType" minOccurs="0"/> <xs:element name="classification" type="ids:classificationType" minOccurs="0" maxOccurs="unbounded"/> <xs:element name="attribute" type="ids:attributeType" minOccurs="0" maxOccurs="unbounded"/> <xs:element name="property" minOccurs="0" maxOccurs="unbounded"> <xs:complexType> <xs:complexContent> <xs:extension base="ids:propertyType"/> </xs:complexContent> </xs:complexType> </xs:element> <xs:element name="material" minOccurs="0"> <xs:complexType> <xs:complexContent> <xs:extension base="ids:materialType"/> </xs:complexContent> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </pre>

element **applicabilityType/entity**


diagram	
namespace	http://standards.buildingsmart.org/IDS

type	ids:entityType
properties	minOcc 0 maxOcc 1 content complex
children	ids:name ids:predefinedType
source	<code><xs:element name="entity" type="ids:entityType" minOccurs="0"/></code>

element **applicabilityType/classification**

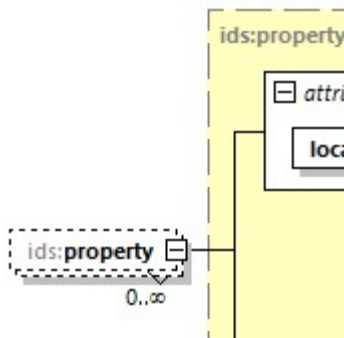
diagram						
namespace	http://standards.buildingsmart.org/IDS					
type	ids:classificationType					
properties	minOcc 0 maxOcc unbounded content complex					
children	ids:value ids:system ids:instructions					
attributes	Name location	Type derived by: xs:string	Use required	Default	Fixed	Annotation
source	<code><xs:element name="classification" type="ids:classificationType" minOccurs="0" maxOccurs="unbounded"/></code>					

element **applicabilityType/attribute**

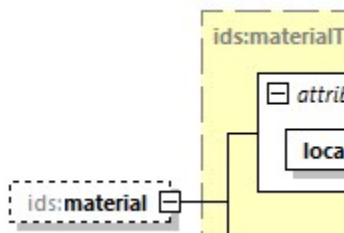
diagram						
namespace	http://standards.buildingsmart.org/IDS					
type	ids:attributeType					
properties	minOcc 0 maxOcc unbounded content complex					
children	ids:name ids:value					
attributes	Name location	Type derived by: xs:string	Use required	Default	Fixed	Annotation

source	<pre><xs:element name="attribute" type="ids:attributeType" minOccurs="0" maxOccurs="unbounded"/></pre>
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element **applicabilityType/property**

diagram						
namespace	http://standards.buildingsmart.org/IDS					
type	extension of ids:propertyType					
properties	minOcc	0	maxOcc	unbounded	content	
				complex		
children	ids:propertySet ids:name ids:ifcMeasure ids:value ids:instructions					
attributes	Name location	Type derived by: xs:string	Use required	Default	Fixed	Annotation
source	<pre><xs:element name="property" minOccurs="0" maxOccurs="unbounded"> <xs:complexType> <xs:complexContent> <xs:extension base="ids:propertyType"/> </xs:complexContent> </xs:complexType> </xs:element></pre>					

element **applicabilityType/material**

diagram	
namespace	http://standards.buildingsmart.org/IDS
type	extension of ids:materialType
properties	minOcc 0 maxOcc 1 content complex
children	ids:value ids:instructions

attributes	Name location	Type derived by: xs:string	Use required	Default	Fixed	Annotation
source	<pre> <xs:element name="material" minOccurs="0"> <xs:complexType> <xs:complexContent> <xs:extension base="ids:materialType"/> </xs:complexContent> </xs:complexType> </xs:element> </pre>					

complexType **attributeType**

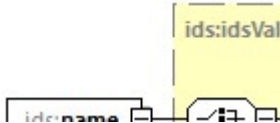
diagram						
namespace	http://standards.buildingsmart.org/IDS					
children	ids:name ids:value					
used by	elements applicabilityType/attribute requirementsType/attribute					
attributes	Name location	Type derived by: xs:string	Use required	Default	Fixed	Annotation
source	<pre> <xs:complexType name="attributeType"> <xs:sequence> <xs:element name="name" type="ids:idsValue"/> <xs:element name="value" type="ids:idsValue"/> </xs:sequence> <xs:attribute name="location" use="required"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="type"/> <xs:enumeration value="instance"/> <xs:enumeration value="any"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:complexType> </pre>					

attribute **attributeType/@location**

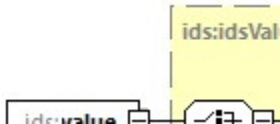
type	restriction of xs:string		
properties	use required		
facets	Kind	Value	Annotation
	enumeration	type	
	enumeration	instance	
	enumeration	any	

source	<pre> <xs:attribute name="location" use="required"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="type"/> <xs:enumeration value="instance"/> <xs:enumeration value="any"/> </xs:restriction> </xs:simpleType> </xs:attribute> </pre>
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element **attributeType/name**

diagram	
namespace	http://standards.buildingsmart.org/IDS
type	ids:idsValue
properties	content complex
children	ids:simpleValue xs:restriction
source	<pre> <xs:element name="name" type="ids:idsValue"/> </pre>

element **attributeType/value**

diagram	
namespace	http://standards.buildingsmart.org/IDS
type	ids:idsValue
properties	content complex
children	ids:simpleValue xs:restriction
source	<pre> <xs:element name="value" type="ids:idsValue"/> </pre>

complexType **classificationType**


diagram	
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namespace	http://standards.buildingsmart.org/IDS					
children	ids:value ids:system ids:instructions					
used by	elements applicabilityType/classification requirementsType/classification					
attributes	Name location	Type derived by: xs:string	Use required	Default	Fixed	Annotation
source	<pre> <xs:complexType name="classificationType"> <xs:sequence> <xs:element name="value" type="ids:idsValue"/> <xs:element name="system" type="ids:idsValue" minOccurs="0"/> <xs:element name="instructions" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>Author of the IDS can leave instructions for the authors of the IFC. This text could/should be displayed in the BIM/IFC authoring tool.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> <xs:attribute name="location" use="required"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="type"/> <xs:enumeration value="instance"/> <xs:enumeration value="any"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:complexType> </pre>					


attribute **classificationType/@location**

type	restriction of xs:string		
properties	use required		
facets	Kind	Value	Annotation
	enumeration	type	
	enumeration	instance	
	enumeration	any	
source	<pre> <xs:attribute name="location" use="required"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="type"/> <xs:enumeration value="instance"/> <xs:enumeration value="any"/> </xs:restriction> </xs:simpleType> </xs:attribute> </pre>		


element **classificationType/value**

diagram	
namespace	http://standards.buildingsmart.org/IDS
type	ids:idsValue
properties	content complex
children	ids:simpleValue xs:restriction
source	<pre><xs:element name="value" type="ids:idsValue"/></pre>

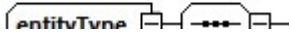
element **classificationType/system**

diagram	
namespace	http://standards.buildingsmart.org/IDS
type	ids:idsValue
properties	minOcc 0 maxOcc 1 content complex
children	ids:simpleValue xs:restriction
source	<pre><xs:element name="system" type="ids:idsValue" minOccurs="0"/></pre>


element **classificationType/instructions**

diagram	
namespace	http://standards.buildingsmart.org/IDS
type	xs:string
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Author of the IDS can leave instructions for the authors of the IFC. This text could/should be displayed in the BIM/IFC authoring tool.
source	<pre><xs:element name="instructions" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>Author of the IDS can leave instructions for the authors of the IFC. This text could/should be displayed in the BIM/IFC authoring tool.</xs:documentation> </xs:annotation> </xs:element></pre>


complexType **entityType**

diagram	
namespace	http://standards.buildingsmart.org/IDS
children	ids:name ids:predefinedType
used by	elements applicabilityType/entity requirementsType/entity
source	<pre> <xs:complexType name="entityType"> <xs:sequence> <xs:element name="name" type="ids:idsValue"/> <xs:element name="predefinedType" type="ids:idsValue" minOccurs="0"/> </xs:sequence> </xs:complexType> </pre>

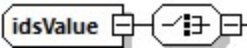
element **entityType/name**

diagram	
namespace	http://standards.buildingsmart.org/IDS
type	ids:idsValue
properties	content complex
children	ids:simpleValue xs:restriction
source	<pre> <xs:element name="name" type="ids:idsValue"/> </pre>


element **entityType/predefinedType**

diagram	
namespace	http://standards.buildingsmart.org/IDS
type	ids:idsValue
properties	minOcc 0 maxOcc 1 content complex
children	ids:simpleValue xs:restriction
source	<pre> <xs:element name="predefinedType" type="ids:idsValue" minOccurs="0"/> </pre>

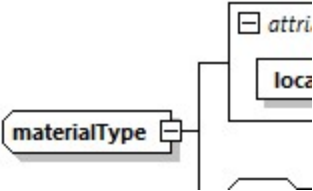
complexType **idsValue**

diagram	
namespace	http://standards.buildingsmart.org/IDS
children	ids:simpleValue xs:restriction
used by	elements entityType/name propertyType/name attributeType/name entityType/predefinedType propertyType/propertySet classificationType/system classificationType/value propertyType/value attributeType/value materialType/value
source	<pre> <xs:complexType name="idsValue"> <xs:choice minOccurs="1"> <!-- place for potential additional rules for idsValue --> <xs:element name="simpleValue" type="xs:string" minOccurs="1" maxOccurs="1"/> <xs:element ref="xs:restriction" minOccurs="1" maxOccurs="unbounded"/> </xs:choice> </xs:complexType> </pre>

element **idsValue/simpleValue**

diagram	
namespace	http://standards.buildingsmart.org/IDS
type	xs:string
properties	content simple
source	<pre> <xs:element name="simpleValue" type="xs:string" minOccurs="1" maxOccurs="1"/> </pre>

complexType **materialType**


diagram						
namespace	http://standards.buildingsmart.org/IDS					
children	ids:value ids:instructions					
used by	elements applicabilityType/material requirementsType/material					
attributes	Name location	Type derived by: xs:string	Use required	Default	Fixed	Annotation
source	<pre> <xs:complexType name="materialType"> <xs:sequence> <xs:element name="value" type="ids:idsValue"/> <xs:element name="instructions" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>Author of the IDS can leave instructions for the authors </pre>					

	of the IFC. This text could/should be displayed in the BIM/IFC authoring tool.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> <xs:attribute name="location" use="required"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="type"/> <xs:enumeration value="instance"/> <xs:enumeration value="any"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:complexType>
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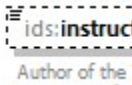
attribute **materialType/@location**

type	restriction of xs:string		
properties	use required		
facets	Kind	Value	Annotation
	enumeration	type	
	enumeration	instance	
	enumeration	any	
source	<pre><xs:attribute name="location" use="required"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="type"/> <xs:enumeration value="instance"/> <xs:enumeration value="any"/> </xs:restriction> </xs:simpleType> </xs:attribute></pre>		

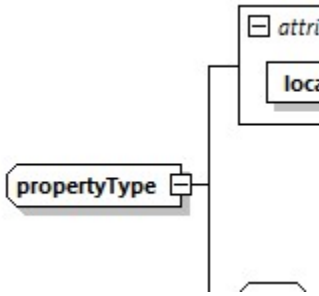
element **materialType/value**

diagram	
namespace	http://standards.buildingsmart.org/IDS
type	ids:idsValue
properties	content complex
children	ids:simpleValue xs:restriction
source	<xs:element name="value" type="ids:idsValue"/>

element **materialType/instructions**

diagram	
namespace	http://standards.buildingsmart.org/IDS
type	xs:string
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Author of the IDS can leave instructions for the authors of the IFC. This text could/should be displayed in the BIM/IFC authoring tool.
source	<pre> <xs:element name="instructions" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>Author of the IDS can leave instructions for the authors of the IFC. This text could/should be displayed in the BIM/IFC authoring tool.</xs:documentation> </xs:annotation> </xs:element> </pre>

complexType **propertyType**

diagram						
namespace	http://standards.buildingsmart.org/IDS					
children	ids:propertySet ids:name ids:ifcMeasure ids:value ids:instructions					
used by	elements	applicabilityType/property requirementsType/property				
attributes	Name location	Type derived by: xs:string	Use required	Default	Fixed	Annotation
source	<pre> <xs:complexType name="propertyType"> <xs:sequence> <xs:element name="propertySet" type="ids:idsValue"/> <xs:element name="name" type="ids:idsValue"/> <xs:element name="ifcMeasure" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="IfcAreaDensityMeasure"/> <xs:enumeration value="IfcAreaMeasure"/> <xs:enumeration value="IfcDynamicViscosityMeasure"/> <xs:enumeration value="IfcElectricCapacitanceMeasure"/> <xs:enumeration value="IfcElectricChargeMeasure"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </pre>					

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<xs:enumeration value="IfcElectricConductanceMeasure"/>
<xs:enumeration value="IfcElectricCurrentMeasure"/>
<xs:enumeration value="IfcElectricResistanceMeasure"/>
<xs:enumeration value="IfcElectricVoltageMeasure"/>
<xs:enumeration value="IfcEnergyMeasure"/>
<xs:enumeration value="IfcForceMeasure"/>
<xs:enumeration value="IfcFrequencyMeasure"/>
<xs:enumeration value="IfcHeatFluxDensityMeasure"/>
<xs:enumeration value="IfcHeatingValueMeasure"/>
<xs:enumeration value="IfcIlluminanceMeasure"/>
<xs:enumeration value="IfcIonConcentrationMeasure"/>
<xs:enumeration value="IfcIsothermalMoistureCapacityMeasure"/>
<xs:enumeration value="IfcLengthMeasure"/>
<xs:enumeration value="IfcLinearVelocityMeasure"/>
<xs:enumeration value="IfcLuminousFluxMeasure"/>
<xs:enumeration value="IfcLuminousIntensityMeasure"/>
<xs:enumeration value="IfcMassDensityMeasure"/>
<xs:enumeration value="IfcMassFlowRateMeasure"/>
<xs:enumeration value="IfcMassMeasure"/>
<xs:enumeration value="IfcMassPerLengthMeasure"/>
<xs:enumeration value="IfcModulusOfElasticityMeasure"/>
<xs:enumeration value="IfcMoistureDiffusivityMeasure"/>
<xs:enumeration value="IfcMolecularWeightMeasure"/>
<xs:enumeration value="IfcMomentOfInertiaMeasure"/>
<xs:enumeration value="IfcPHMeasure"/>
<xs:enumeration value="IfcPlanarForceMeasure"/>
<xs:enumeration value="IfcPlaneAngleMeasure"/>
<xs:enumeration value="IfcPlaneAngleMeasure"/>
<xs:enumeration value="IfcPowerMeasure"/>
<xs:enumeration value="IfcPressureMeasure"/>
<xs:enumeration value="IfcRadioActivityMeasure"/>
<xs:enumeration value="IfcRatioMeasure"/>
<xs:enumeration value="IfcRotationalFrequencyMeasure"/>
<xs:enumeration value="IfcSectionModulusMeasure"/>
<xs:enumeration value="IfcSoundPowerMeasure"/>
<xs:enumeration value="IfcSoundPressureMeasure"/>
<xs:enumeration value="IfcSpecificHeatCapacityMeasure"/>
<xs:enumeration value="IfcTemperatureRateOfChangeMeasure"/>
<xs:enumeration value="IfcThermalConductivityMeasure"/>
<xs:enumeration value="IfcThermodynamicTemperatureMeasure"/>
<xs:enumeration value="IfcTimeMeasure"/>
<xs:enumeration value="IfcTorqueMeasure"/>
<xs:enumeration value="IfcVaporPermeabilityMeasure"/>
<xs:enumeration value="IfcVolumeMeasure"/>
<xs:enumeration value="IfcVolumetricFlowRateMeasure"/>
<xs:enumeration value="IfcWarpingConstantMeasure"/>
</xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="value" type="ids:idsValue"/>
<xs:element name="instructions" type="xs:string" minOccurs="0">
  <xs:annotation>

```

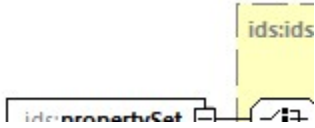
<xs:documentation>Author of the IDS can leave instructions for the authors of the IFC. This text could/should be displayed in the BIM/IFC authoring tool.</xs:documentation>

	<pre> </xs:annotation> </xs:element> </xs:sequence> <xs:attribute name="location" use="required"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="type"/> <xs:enumeration value="instance"/> <xs:enumeration value="any"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:complexType> </pre>
--	---


attribute **propertyType/@location**

type	restriction of xs:string		
properties	use required		
facets	Kind	Value	Annotation
	enumeration	type	
	enumeration	instance	
	enumeration	any	
source	<pre> <xs:attribute name="location" use="required"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="type"/> <xs:enumeration value="instance"/> <xs:enumeration value="any"/> </xs:restriction> </xs:simpleType> </xs:attribute> </pre>		

element **propertyType/propertySet**

diagram			
namespace	http://standards.buildingsmart.org/IDS		
type	ids:idsValue		
properties	content complex		
children	ids:simpleValue xs:restriction		
source	<pre> <xs:element name="propertySet" type="ids:idsValue"/> </pre>		

element **propertyType/name**

diagram	
namespace	http://standards.buildingsmart.org/IDS
type	ids:idsValue
properties	content complex
children	ids:simpleValue xs:restriction
source	<code><xs:element name="name" type="ids:idsValue"/></code>


element **propertyType/ifcMeasure**

diagram			
namespace	http://standards.buildingsmart.org/IDS		
type	restriction of xs:string		
properties	minOcc 0 maxOcc 1 content simple		
facets	Kind	Value	Annotation
	enumeration	IfcAreaDensityMeasure	
	enumeration	IfcAreaMeasure	
	enumeration	IfcDynamicViscosityMeasure	
	enumeration	IfcElectricCapacitanceMeasure	
	enumeration	IfcElectricChargeMeasure	
	enumeration	IfcElectricConductanceMeasure	
	enumeration	IfcElectricCurrentMeasure	
	enumeration	IfcElectricResistanceMeasure	
	enumeration	IfcElectricVoltageMeasure	
	enumeration	IfcEnergyMeasure	
	enumeration	IfcForceMeasure	
	enumeration	IfcFrequencyMeasure	
	enumeration	IfcHeatFluxDensityMeasure	
	enumeration	IfcHeatingValueMeasure	
	enumeration	IfcIlluminanceMeasure	
	enumeration	IfcIonConcentrationMeasure	
	enumeration	IfcIsothermalMoistureCapacityMeasure	
	enumeration	IfcLengthMeasure	
	enumeration	IfcLinearVelocityMeasure	
	enumeration	IfcLuminousFluxMeasure	
	enumeration	IfcLuminousIntensityMeasure	
	enumeration	IfcMassDensityMeasure	
	enumeration	IfcMassFlowRateMeasure	
	enumeration	IfcMassMeasure	


	enumeration IfcMassPerLengthMeasure enumeration IfcModulusOfElasticityMeasure enumeration IfcMoistureDiffusivityMeasure enumeration IfcMolecularWeightMeasure enumeration IfcMomentOfInertiaMeasure enumeration IfcPHMeasure enumeration IfcPlanarForceMeasure enumeration IfcPlaneAngleMeasure enumeration IfcPlaneAngleMeasure enumeration IfcPowerMeasure enumeration IfcPressureMeasure enumeration IfcRadioActivityMeasure enumeration IfcRatioMeasure enumeration IfcRotationalFrequencyMeasure enumeration IfcSectionModulusMeasure enumeration IfcSoundPowerMeasure enumeration IfcSoundPressureMeasure enumeration IfcSpecificHeatCapacityMeasure enumeration IfcTemperatureRateOfChangeMeasure enumeration IfcThermalConductivityMeasure enumeration IfcThermodynamicTemperatureMeasure enumeration IfcTimeMeasure enumeration IfcTorqueMeasure enumeration IfcVaporPermeabilityMeasure enumeration IfcVolumeMeasure enumeration IfcVolumetricFlowRateMeasure enumeration IfcWarpingConstantMeasure
source	<pre> <xs:element name="ifcMeasure" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="IfcAreaDensityMeasure"/> <xs:enumeration value="IfcAreaMeasure"/> <xs:enumeration value="IfcDynamicViscosityMeasure"/> <xs:enumeration value="IfcElectricCapacitanceMeasure"/> <xs:enumeration value="IfcElectricChargeMeasure"/> <xs:enumeration value="IfcElectricConductanceMeasure"/> <xs:enumeration value="IfcElectricCurrentMeasure"/> <xs:enumeration value="IfcElectricResistanceMeasure"/> <xs:enumeration value="IfcElectricVoltageMeasure"/> <xs:enumeration value="IfcEnergyMeasure"/> <xs:enumeration value="IfcForceMeasure"/> <xs:enumeration value="IfcFrequencyMeasure"/> <xs:enumeration value="IfcHeatFluxDensityMeasure"/> <xs:enumeration value="IfcHeatingValueMeasure"/> <xs:enumeration value="IfcIlluminanceMeasure"/> <xs:enumeration value="IfcIonConcentrationMeasure"/> <xs:enumeration value="IfcIsothermalMoistureCapacityMeasure"/> <xs:enumeration value="IfcLengthMeasure"/> <xs:enumeration value="IfcLinearVelocityMeasure"/> </pre>

	<pre><xs:enumeration value="IfcLuminousFluxMeasure"/> <xs:enumeration value="IfcLuminousIntensityMeasure"/> <xs:enumeration value="IfcMassDensityMeasure"/> <xs:enumeration value="IfcMassFlowRateMeasure"/> <xs:enumeration value="IfcMassMeasure"/> <xs:enumeration value="IfcMassPerLengthMeasure"/> <xs:enumeration value="IfcModulusOfElasticityMeasure"/> <xs:enumeration value="IfcMoistureDiffusivityMeasure"/> <xs:enumeration value="IfcMolecularWeightMeasure"/> <xs:enumeration value="IfcMomentOfInertiaMeasure"/> <xs:enumeration value="IfcPHMeasure"/> <xs:enumeration value="IfcPlanarForceMeasure"/> <xs:enumeration value="IfcPlaneAngleMeasure"/> <xs:enumeration value="IfcPlaneAngleMeasure"/> <xs:enumeration value="IfcPowerMeasure"/> <xs:enumeration value="IfcPressureMeasure"/> <xs:enumeration value="IfcRadioActivityMeasure"/> <xs:enumeration value="IfcRatioMeasure"/> <xs:enumeration value="IfcRotationalFrequencyMeasure"/> <xs:enumeration value="IfcSectionModulusMeasure"/> <xs:enumeration value="IfcSoundPowerMeasure"/> <xs:enumeration value="IfcSoundPressureMeasure"/> <xs:enumeration value="IfcSpecificHeatCapacityMeasure"/> <xs:enumeration value="IfcTemperatureRateOfChangeMeasure"/> <xs:enumeration value="IfcThermalConductivityMeasure"/> <xs:enumeration value="IfcThermodynamicTemperatureMeasure"/> <xs:enumeration value="IfcTimeMeasure"/> <xs:enumeration value="IfcTorqueMeasure"/> <xs:enumeration value="IfcVaporPermeabilityMeasure"/> <xs:enumeration value="IfcVolumeMeasure"/> <xs:enumeration value="IfcVolumetricFlowRateMeasure"/> <xs:enumeration value="IfcWarpingConstantMeasure"/> </xs:restriction> </xs:simpleType> </xs:element></pre>
--	--


element **propertyType/value**

diagram	
namespace	http://standards.buildingsmart.org/IDS
type	ids:idsValue
properties	content complex
children	ids:simpleValue xs:restriction
source	<pre><xs:element name="value" type="ids:idsValue"/></pre>

element **propertyType/instructions**

diagram	
namespace	http://standards.buildingsmart.org/IDS
type	xs:string
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Author of the IDS can leave instructions for the authors of the IFC. This text could/should be displayed in the BIM/IFC authoring tool.
source	<pre><xs:element name="instructions" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>Author of the IDS can leave instructions for the authors of the IFC. This text could/should be displayed in the BIM/IFC authoring tool.</xs:documentation> </xs:annotation> </xs:element></pre>

complexType **requirementsType**

diagram	
namespace	http://standards.buildingsmart.org/IDS
children	ids:entity ids:partOf ids:classification ids:attribute ids:property ids:material
used by	element specificationType/requirements
source	<pre><xs:complexType name="requirementsType"> <xs:sequence maxOccurs="unbounded"> <xs:element name="entity" minOccurs="0"> <xs:annotation> <xs:documentation>Make sure 'Name' value of requirements entity is the same as the 'applicability' node, or a wildcard (inclusive pattern).</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="ids:entityType"/> </xs:complexContent> </xs:complexType> </xs:element></pre>



```

<xs:element name="partOf" minOccurs="0" maxOccurs="unbounded">
  <xs:complexType>
    <xs:attribute name="entity" use="required">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:enumeration value="IfcElementAssembly"/>
          <xs:enumeration value="IfcGroup"/>
          <xs:enumeration value="IfcSystem"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:attribute>
  </xs:complexType>
</xs:element>
<xs:element name="classification" minOccurs="0" maxOccurs="unbounded">
  <xs:complexType>
    <xs:complexContent>
      <xs:extension base="ids:classificationType">
        <xs:attribute name="uri" type="xs:anyURI" use="optional"/>
        <xs:attribute name="use" use="optional">
          <xs:simpleType>
            <xs:restriction base="xs:string">
              <xs:enumeration value="optional"/>
              <xs:enumeration value="prohibited"/>
              <xs:enumeration value="required"/>
            </xs:restriction>
          </xs:simpleType>
        </xs:attribute>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
</xs:element>
<xs:element name="attribute" minOccurs="0" maxOccurs="unbounded">
  <xs:complexType>
    <xs:complexContent>
      <xs:extension base="ids:attributeType">
        <xs:attribute name="use" use="optional">
          <xs:simpleType>
            <xs:restriction base="xs:string">
              <xs:enumeration value="optional"/>
              <xs:enumeration value="prohibited"/>
              <xs:enumeration value="required"/>
            </xs:restriction>
          </xs:simpleType>
        </xs:attribute>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
</xs:element>
<xs:element name="property" minOccurs="0" maxOccurs="unbounded">
  <xs:complexType>
    <xs:complexContent>
      <xs:extension base="ids:propertyType">
        <xs:attribute name="uri" type="xs:anyURI" use="optional"/>
        <xs:attribute name="use" use="optional">
          <xs:simpleType>

```

	<pre> <xs:restriction base="xs:string"> <xs:enumeration value="optional"/> <xs:enumeration value="prohibited"/> <xs:enumeration value="required"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> <xs:element name="material" minOccurs="0"> <xs:complexType> <xs:complexContent> <xs:extension base="ids:materialType"> <xs:attribute name="uri" type="xs:anyURI" use="optional"/> <xs:attribute name="use" use="optional"/> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="optional"/> <xs:enumeration value="prohibited"/> <xs:enumeration value="required"/> </xs:restriction> </xs:simpleType> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </pre>
--	---

element **requirementsType/entity**

diagram	
namespace	http://standards.buildingsmart.org/IDS
type	extension of ids:entityType
properties	minOcc 0 maxOcc 1 content complex
children	ids:name ids:predefinedType
annotation	documentation Make sure 'Name' value of requirements entity is the same as the 'applicability' node, or a wildcard (inclusive pattern).
source	<pre> <xs:element name="entity" minOccurs="0"> <xs:annotation> <xs:documentation>Make sure 'Name' value of requirements entity is the same as the 'applicability' node, or a wildcard (inclusive pattern).</xs:documentation> </xs:annotation> </pre>

	<pre> <xs:complexType> <xs:complexContent> <xs:extension base="ids:entityType"/> </xs:complexContent> </xs:complexType> </xs:element> </pre>
--	--

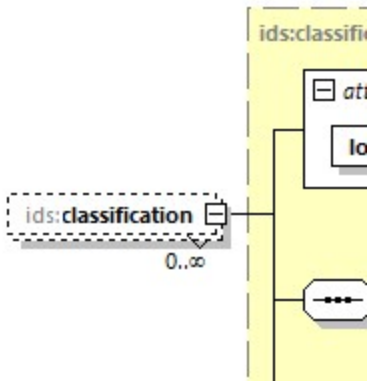
element **requirementsType/partOf**

diagram						
namespace	http://standards.buildingsmart.org/IDS					
properties	minOcc	0	maxOcc	unbounded	content	complex
attributes	Name entity	Type derived by: xs:string	Use required	Default	Fixed	Annotation
source	<pre> <xs:element name="partOf" minOccurs="0" maxOccurs="unbounded"> <xs:complexType> <xs:attribute name="entity" use="required"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="IfcElementAssembly"/> <xs:enumeration value="IfcGroup"/> <xs:enumeration value="IfcSystem"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:complexType> </xs:element> </pre>					

attribute **requirementsType/partOf/@entity**

type	restriction of xs:string		
properties	use	required	
facets	Kind	Value	Annotation
	enumeration	IfcElementAssembly	
	enumeration	IfcGroup	
	enumeration	IfcSystem	
source	<pre><xs:attribute name="entity" use="required"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="IfcElementAssembly"/> <xs:enumeration value="IfcGroup"/> <xs:enumeration value="IfcSystem"/> </xs:restriction> </xs:simpleType> </xs:attribute></pre>		

element **requirementsType/classification**

diagram						
namespace	http://standards.buildingsmart.org/IDS					
type	extension of ids:classificationType					
properties	minOcc 0 maxOcc unbounded content complex					
children	ids:value ids:system ids:instructions					
attributes	Name location uri use	Type derived by: xs:string xs:anyURI derived by: xs:string	Use required optional optional	Default	Fixed	Annotation
source	<pre> <xs:element name="classification" minOccurs="0" maxOccurs="unbounded"> <xs:complexType> <xs:complexContent> <xs:extension base="ids:classificationType"> <xs:attribute name="uri" type="xs:anyURI" use="optional"/> <xs:attribute name="use" use="optional"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="optional"/> <xs:enumeration value="prohibited"/> <xs:enumeration value="required"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </pre>					

attribute **requirementsType/classification/@uri**

type	xs:anyURI
------	-----------

properties	use optional
source	<code><xs:attribute name="uri" type="xs:anyURI" use="optional"/></code>

attribute **requirementsType/classification/@use**

type	restriction of xs:string		
properties	use optional		
facets	Kind	Value	Annotation
	enumeration	optional	
	enumeration	prohibited	
	enumeration	required	
source	<pre> <xs:attribute name="use" use="optional"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="optional"/> <xs:enumeration value="prohibited"/> <xs:enumeration value="required"/> </xs:restriction> </xs:simpleType> </xs:attribute> </pre>		

element **requirementsType/attribute**

diagram						
namespace	http://standards.buildingsmart.org/IDS					
type	extension of ids:attributeType					
properties	minOcc	0	maxOcc	unbounded	content	complex
children	ids:name ids:value					
attributes	Name location use	Type derived by: xs:string derived by: xs:string	Use required optional	Default	Fixed	Annotation
source	<pre> <xs:element name="attribute" minOccurs="0" maxOccurs="unbounded"> <xs:complexType> <xs:complexContent> <xs:extension base="ids:attributeType"> <xs:attribute name="use" use="optional"> </pre>					

	<pre> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="optional"/> <xs:enumeration value="prohibited"/> <xs:enumeration value="required"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </pre>
--	---

attribute **requirementsType/attribute/@use**

type	restriction of xs:string		
properties	use optional		
facets	Kind	Value	Annotation
	enumeration	optional	
	enumeration	prohibited	
	enumeration	required	
source	<pre> <xs:attribute name="use" use="optional"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="optional"/> <xs:enumeration value="prohibited"/> <xs:enumeration value="required"/> </xs:restriction> </xs:simpleType> </xs:attribute> </pre>		

element **requirementsType/property**

diagram	
namespace	http://standards.buildingsmart.org/IDS
type	extension of ids:propertyType

properties	minOcc0 maxOccunbounded contentcomplex																								
children	ids:propertySet ids:name ids:ifcMeasure ids:value ids:instructions																								
attributes	<table><tr><td>Name</td><td>Type</td><td>Use</td><td>Default</td><td>Fixed</td><td>Annotation</td></tr><tr><td>location</td><td>derived by: xs:string</td><td>required</td><td></td><td></td><td></td></tr><tr><td>uri</td><td>xs:anyURI</td><td>optional</td><td></td><td></td><td></td></tr><tr><td>use</td><td>derived by: xs:string</td><td>optional</td><td></td><td></td><td></td></tr></table>	Name	Type	Use	Default	Fixed	Annotation	location	derived by: xs:string	required				uri	xs:anyURI	optional				use	derived by: xs:string	optional			
Name	Type	Use	Default	Fixed	Annotation																				
location	derived by: xs:string	required																							
uri	xs:anyURI	optional																							
use	derived by: xs:string	optional																							
source	<pre><xs:element name="property" minOccurs="0" maxOccurs="unbounded"> <xs:complexType> <xs:complexContent> <xs:extension base="ids:propertyType"> <xs:attribute name="uri" type="xs:anyURI" use="optional"/> <xs:attribute name="use" use="optional"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="optional"/> <xs:enumeration value="prohibited"/> <xs:enumeration value="required"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element></pre>																								

attribute **requirementsType/property/@uri**

type	xs:anyURI
properties	use optional
source	<pre><xs:attribute name="uri" type="xs:anyURI" use="optional"/></pre>

attribute **requirementsType/property/@use**

type	restriction of xs:string		
properties	use optional		
facets	Kind enumeration enumeration enumeration	Value optional prohibited required	Annotation
source	<pre> <xs:attribute name="use" use="optional"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="optional"/> <xs:enumeration value="prohibited"/> <xs:enumeration value="required"/> </xs:restriction> </xs:simpleType> </xs:attribute> </pre>		

	<pre> </xs:restriction> </xs:simpleType> </xs:attribute> </pre>
--	---

element **requirementsType/material**

diagram						
namespace	http://standards.buildingsmart.org/IDS					
type	extension of ids:materialType					
properties	minOcc 0 maxOcc 1 content complex					
children	ids:value ids:instructions					
attributes	Name	Type	Use	Default	Fixed	Annotation
	location	derived by:	required			
	uri	xs:string	optional			
	use	xs:anyURI	optional			
		derived by:	optional			
		xs:string				
source	<pre> <xs:element name="material" minOccurs="0"> <xs:complexType> <xs:complexContent> <xs:extension base="ids:materialType"> <xs:attribute name="uri" type="xs:anyURI" use="optional"/> <xs:attribute name="use" use="optional"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="optional"/> <xs:enumeration value="prohibited"/> <xs:enumeration value="required"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </pre>					

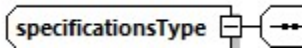
attribute **requirementsType/material/@uri**

type	xs:anyURI
properties	use optional
source	<code><xs:attribute name="uri" type="xs:anyURI" use="optional"/></code>

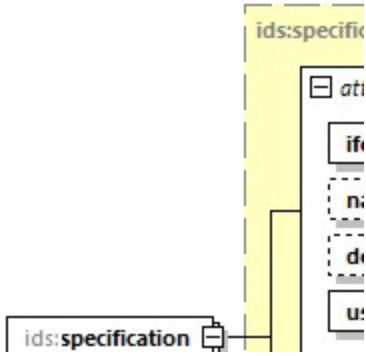
attribute **requirementsType/material/@use**

type	restriction of xs:string		
properties	use optional		
facets	Kind enumeration	Value optional	Annotation
	enumeration	prohibited	
	enumeration	required	
source	<pre><xs:attribute name="use" use="optional"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="optional"/> <xs:enumeration value="prohibited"/> <xs:enumeration value="required"/> </xs:restriction> </xs:simpleType> </xs:attribute></pre>		

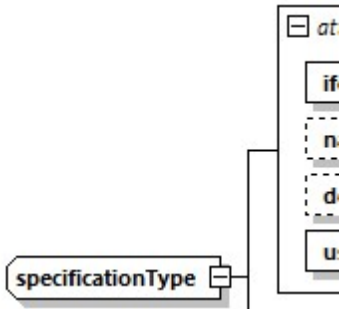
complexType **specificationsType**

diagram	
namespace	http://standards.buildingsmart.org/IDS
children	ids:specification
used by	element ids/specifications
source	<pre> <xs:complexType name="specificationsType"> <xs:sequence> <xs:element name="specification" type="ids:specificationType" minOccurs="1" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </pre>

element **specificationsType/specification**

diagram						
namespace	http://standards.buildingsmart.org/IDS					
type	ids:specificationType					
properties	minOcc 1 maxOcc unbounded content complex					
children	ids:applicability ids:requirements ids:instructions					
attributes	Name ifcVersion name description use	Type derived by: xs:string xs:string xs:string derived by: xs:string	Use required optional optional required	Default	Fixed	Annotation
source	<xs:element name="specification" type="ids:specificationType" minOccurs="1" maxOccurs="unbounded"/>					

complexType **specificationType**

diagram						
namespace	http://standards.buildingsmart.org/IDS					
children	ids:applicability ids:requirements ids:instructions					
used by	element specificationsType/specification					
attributes	Name ifcVersion name description	Type derived by: xs:string xs:string xs:string	Use required optional optional	Default	Fixed	Annotation

	<u>use</u> derived by: required xs:string
source	<pre> <xs:complexType name="specificationType"> <xs:sequence> <xs:element name="applicability" type="ids:applicabilityType"/> <xs:element name="requirements" type="ids:requirementsType"/> <xs:element name="instructions" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>Author of the IDS can leave instructions for the authors of the IFC. This text could/should be displayed in the BIM/IFC authoring tool.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> <xs:attribute name="ifcVersion" use="required"> <xs:simpleType> <xs:list> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="IFC2X3"/> <xs:enumeration value="IFC4"/> <xs:enumeration value="IFC4_3"/> </xs:restriction> </xs:simpleType> </xs:list> </xs:simpleType> </xs:attribute> <xs:attribute name="name" type="xs:string" use="optional"/> <xs:attribute name="description" type="xs:string" use="optional"/> <xs:attribute name="use" use="required"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="optional"/> <xs:enumeration value="prohibited"/> <xs:enumeration value="required"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:complexType> </pre>

attribute **specificationType/@ifcVersion**

type	list of (restriction of xs:string)
properties	use required
source	<pre> <xs:attribute name="ifcVersion" use="required"> <xs:simpleType> <xs:list> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="IFC2X3"/> <xs:enumeration value="IFC4"/> <xs:enumeration value="IFC4_3"/> </xs:restriction> </xs:simpleType> </xs:list> </xs:simpleType> </xs:attribute> </pre>

	<pre> </xs:restriction> </xs:simpleType> </xs:list> </xs:simpleType> </xs:attribute> </pre>
--	---

attribute **specificationType**/@name

type	xs:string
properties	use optional
source	<pre><xs:attribute name="name" type="xs:string" use="optional"/></pre>


attribute **specificationType**/@description

type	xs:string
properties	use optional
source	<pre><xs:attribute name="description" type="xs:string" use="optional"/></pre>


attribute **specificationType**/@use

type	restriction of xs:string		
properties	use required		
facets	Kind	Value	Annotation
	enumeration	optional	
	enumeration	prohibited	
	enumeration	required	
source	<pre> <xs:attribute name="use" use="required"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="optional"/> <xs:enumeration value="prohibited"/> <xs:enumeration value="required"/> </xs:restriction> </xs:simpleType> </xs:attribute> </pre>		


element **specificationType/applicability**

diagram	
namespace	http://standards.buildingsmart.org/IDS
type	ids:applicabilityType
properties	content complex
children	ids:entity ids:classification ids:attribute ids:property ids:material
source	<code><xs:element name="applicability" type="ids:applicabilityType"/></code>

element **specificationType/requirements**

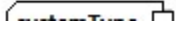
diagram	
namespace	http://standards.buildingsmart.org/IDS
type	ids:requirementsType
properties	content complex
children	ids:entity ids:partOf ids:classification ids:attribute ids:property ids:material
source	<code><xs:element name="requirements" type="ids:requirementsType"/></code>

element **specificationType/instructions**

diagram	
namespace	http://standards.buildingsmart.org/IDS
type	xs:string

properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Author of the IDS can leave instructions for the authors of the IFC. This text could/should be displayed in the BIM/IFC authoring tool.
source	<pre><xs:element name="instructions" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>Author of the IDS can leave instructions for the authors of the IFC. This text could/should be displayed in the BIM/IFC authoring tool.</xs:documentation> </xs:annotation> </xs:element></pre>

complexType **systemType**

diagram						
namespace	http://standards.buildingsmart.org/IDS					
type	extension of xs:string					
properties	base xs:string					
attributes	Name href	Type xs:anyURI	Use optional	Default	Fixed	Annotation
source	<pre><xs:complexType name="systemType"> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="href" type="xs:anyURI" use="optional"/> </xs:extension> </xs:simpleContent> </xs:complexType></pre>					

attribute **systemType/@href**

type	xs:anyURI
properties	use optional
source	<pre><xs:attribute name="href" type="xs:anyURI" use="optional"/></pre>

attribute **base**

namespace	http://www.w3.org/XML/1998/namespace
type	xs:anyURI
used by	attributeGroup specialAttrs
annotation	documentation <div> <h3>base (as an attribute name)</h3> <p></p> </div>

	<p>denotes an attribute whose value provides a URI to be used as the base for interpreting any relative URIs in the scope of the element on which it appears; its value is inherited. This name is reserved by virtue of its definition in the XML Base specification.</p> <p><p> See http://www.w3.org/TR/xmlbase/ for information about this attribute.</p> <p></p></p>
source	<pre><xs:attribute name="base" type="xs:anyURI"> <xs:annotation> <xs:documentation> <div> <h3>base (as an attribute name)</h3> <p> denotes an attribute whose value provides a URI to be used as the base for interpreting any relative URIs in the scope of the element on which it appears; its value is inherited. This name is reserved by virtue of its definition in the XML Base specification.</p> <p> See http://www.w3.org/TR/xmlbase/ for information about this attribute. </p> </div> </xs:documentation> </xs:annotation> </xs:attribute></pre>

attribute id

namespace	http://www.w3.org/XML/1998/namespace
type	xs:ID
used by	attributeGroup specialAttrs
annotation	<p>documentation</p> <pre><div> <h3>id (as an attribute name)</h3> <p> denotes an attribute whose value should be interpreted as if declared to be of type ID. This name is reserved by virtue of its definition in the xml:id specification.</p> <p> See http://www.w3.org/TR/xml-id/ for information about this attribute. </p> </div></pre>
source	<pre><xs:attribute name="id" type="xs:ID"> <xs:annotation> <xs:documentation> <div></pre>

	<pre> <h3>id (as an attribute name)</h3> <p> denotes an attribute whose value should be interpreted as if declared to be of type ID. This name is reserved by virtue of its definition in the xml:id specification.</p> <p> See http://www.w3.org/TR/xml-id/ for information about this attribute. </p> </div> </xs:documentation> </xs:annotation> </xs:attribute> </pre>
--	---

attribute lang

namespace	http://www.w3.org/XML/1998/namespace
type	union of (xs:language , restriction of xs:string)
used by	elements documentation schema attributeGroup specialAttrs
annotation	documentation <div> <div> <h3>lang (as an attribute name)</h3> <p>denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p> </div> <div> <h4>Notes</h4> <p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility.</p> <p>See BCP 47 at http://www.rfc-editor.org/rfc/bcp/bcp47.txt and the IANA language subtag registry at http://www.iana.org/assignments/language-subtag-registry for further information.</p> <p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p> </div> </div>
source	<pre> <xs:attribute name="lang"> <xs:annotation> <xs:documentation> <div> <h3>lang (as an attribute name)</h3> </pre>

	<pre> <p> denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p> </div> <div> <h4>Notes</h4> <p> Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility. </p> <p> See BCP 47 at http://www.rfc-editor.org/rfc/bcp/bcp47.txt and the IANA language subtag registry at http://www.iana.org/assignments/language-subtag-registry for further information. </p> <p> The union allows for the 'un-declaration' of xml:lang with the empty string. </p> </div> </xs:documentation> </xs:annotation> <xs:simpleType> <xs:union memberTypes="xs:language"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value=""/> </xs:restriction> </xs:simpleType> </xs:union> </xs:simpleType> </xs:attribute> </pre>
--	--

attribute **space**

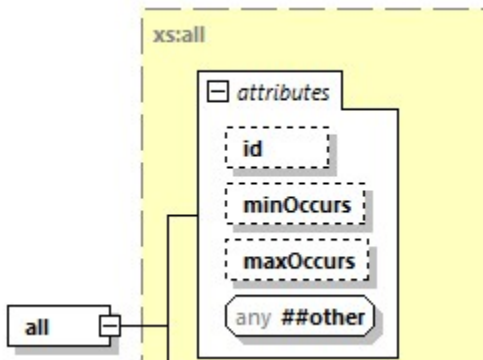
namespace	http://www.w3.org/XML/1998/namespace		
type	restriction of xs:NCName		
used by	attributeGroup specialAttrs		
facets	Kind enumeration	Value default preserve	Annotation
annotation	documentation <div> <h3>space (as an attribute name)</h3> <p> denotes an attribute whose		

	<p>value is a keyword indicating what whitespace processing discipline is intended for the content of the element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p></p> </div>
source	<pre> <xs:attribute name="space"> <xs:annotation> <xs:documentation> <div> <h3>space (as an attribute name)</h3> <p> denotes an attribute whose value is a keyword indicating what whitespace processing discipline is intended for the content of the element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p> </div> </xs:documentation> </xs:annotation> </xs:simpleType> <xs:restriction base="xs:NCName"> <xs:enumeration value="default"/> <xs:enumeration value="preserve"/> </xs:restriction> </xs:simpleType> </xs:attribute> </pre>


attributeGroup **specialAttrs**

namespace	http://www.w3.org/XML/1998/namespace					
attributes	Name Type Use Default Fixed Annotation					
	xml:base	xs:anyURI				documentation <div> <h3>base (as an attribute name)</h3> <p> denotes an attribute whose value provides a URI to be used as the base for interpreting any relative URIs in the scope of the element on which it appears; its value is inherited. This name is reserved by virtue of its definition in the XML Base specification.</p> <p> See http://www.w3.org/TR/xmlbase/ for information about this attribute. </p> </div>
	xml:lang	derived by: xs:language extension base				documentation <div> <h3>lang (as an attribute name)</h3> <p> denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved

element **all**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	xs:all					
properties	content	complex				
	id	all				
children	xs:annotation xs:element					
used by	complexType groups	realGroup particle typeDefParticle				
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	minOccurs	derived by: xs:nonNegativeInteger	optional	1		
	maxOccurs	derived by: xs:allNNI	optional	1		
source	<pre><xs:element name="all" type="xs:all" id="all"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-1/#element-all"/> </xs:annotation> </xs:element></pre>					

element **annotation**

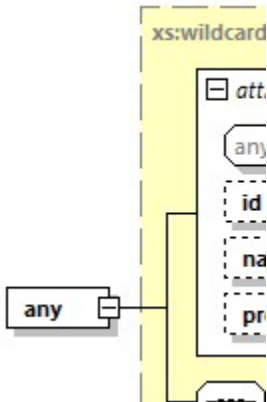
diagram	
namespace	http://www.w3.org/2001/XMLSchema
type	extension of xs:openAttrs
properties	content complex id annotation
children	xs:appinfo xs:documentation
used by	elements pattern redefine schema totalDigits whiteSpace complexType annotated attributeGroupRef complexRestrictionType explicitGroup groupRef localComplexType localElement localSimpleType namedAttributeGroup namedGroup narrowMaxMin noFixedFacet

	numFacet realGroup simpleExplicitGroup simpleExtensionType simpleRestrictionType topLevelAttribute topLevelComplexType topLevelElement topLevelSimpleType allModel					
attributes	Name id	Type xs:ID	Use	Default	Fixed	Annotation
source	<pre> <xs:element name="annotation" id="annotation"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-1/#element-annotation"/> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="xs:openAttrs"> <xs:choice minOccurs="0" maxOccurs="unbounded"> <xs:element ref="xs:appinfo"/> <xs:element ref="xs:documentation"/> </xs:choice> <xs:attribute name="id" type="xs:ID"/> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </pre>					

attribute **annotation/@id**


type	xs:ID
source	<code><xs:attribute name="id" type="xs:ID"/></code>

element **any**


diagram	
namespace	http://www.w3.org/2001/XMLSchema
type	extension of xs:wildcard
properties	content complex id any
children	xs:annotation
used by	groups nestedParticle particle

attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	namespace	xs:namespaceList	optional	##any		
	processContents	derived by: xs:NMTOKEN	optional	strict		
	minOccurs	xs:nonNegativeInteger	optional	1		
	maxOccurs	xs:allNNI	optional	1		
source	<pre> <xs:element name="any" id="any"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-1/#element-any"/> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="xs:wildcard"> <xs:attributeGroup ref="xs:occurs"/> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </pre>					

element **anyAttribute**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	xs:wildcard					
properties	content	complex				
	id	anyAttribute				
children	xs:annotation					
used by	group	attrDecls				
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	namespace	xs:namespaceList	optional	##any		
	processContents	derived by: xs:NMTOKEN	optional	strict		
source	<pre><xs:element name="anyAttribute" type="xs:wildcard" id="anyAttribute"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-1/#element-anyAttribute"/> </xs:annotation> </xs:element></pre>					

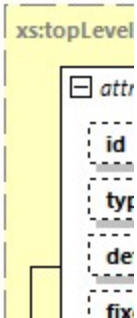
element **appinfo**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
properties	content	complex				
	mixed	true				
	id	appinfo				
used by	element	annotation				
attributes	Name	Type	Use	Default	Fixed	Annotation
	source	xs:anyURI				
source	<pre> <xs:element name="appinfo" id="appinfo"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-1/#element-appinfo"/> </xs:annotation> <xs:complexType mixed="true"> <xs:sequence minOccurs="0" maxOccurs="unbounded"> <xs:any processContents="lax"/> </xs:sequence> <xs:attribute name="source" type="xs:anyURI"/> <xs:anyAttribute namespace="##other" processContents="lax"/> </xs:complexType> </xs:element> </pre>					

attribute **appinfo/@source**

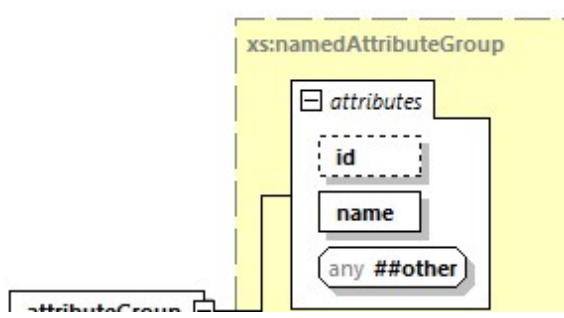
type	xs:anyURI
source	<code><xs:attribute name="source" type="xs:anyURI"/></code>

element **attribute**

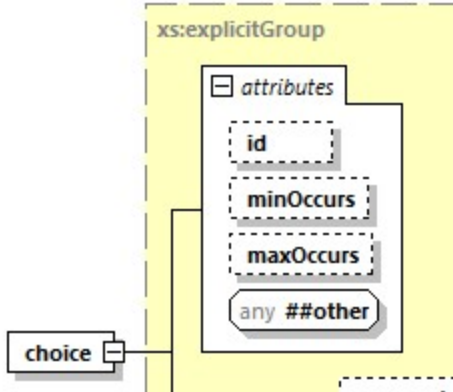
diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	xs:topLevelAttribute					
properties	content	complex				
	id	attribute				

children	xs:annotation xs:simpleType					
used by	group schemaTop					
attributes	Name id type default fixed name	Type xs:ID xs:QName xs:string xs:string xs:NCName	Use required	Default	Fixed	Annotation
source	<pre><xs:element name="attribute" type="xs:topLevelAttribute" id="attribute"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-1/#element-attribute"/> </xs:annotation> </xs:element></pre>					

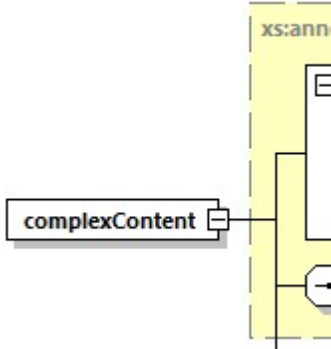
element **attributeGroup**

diagram	 The diagram illustrates the structure of an <code>xs:namedAttributeGroup</code> . It is represented as a yellow rectangular container. Inside this container, there is a smaller box labeled <code>attributes</code> . Within the <code>attributes</code> box, there are three elements: a dashed box labeled <code>id</code> , a solid box labeled <code>name</code> , and a rounded rectangle labeled <code>any ##other</code> . The <code>xs:namedAttributeGroup</code> container is shown with a dashed border, indicating it is a named group.									
namespace	http://www.w3.org/2001/XMLSchema									
type	xs:namedAttributeGroup									
properties	content	complex								
	id	attributeGroup								
children	xs:annotation xs:attribute xs:attributeGroup xs:anyAttribute									
used by	group redefinable									
attributes	Name id name	Type xs:ID xs:NCName	Use required	Default	Fixed	Annotation				
source	<pre><xs:element name="attributeGroup" type="xs:namedAttributeGroup" id="attributeGroup"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-1/#element-attributeGroup"/> </xs:annotation> </xs:element></pre>									

element **choice**

diagram																									
namespace	http://www.w3.org/2001/XMLSchema																								
type	xs:explicitGroup																								
properties	content complex id choice																								
children	xs:annotation xs:element xs:group xs:choice xs:sequence xs:any																								
used by	complexType realGroup groups nestedParticle particle typeDefParticle																								
attributes	<table><thead><tr><th>Name</th><th>Type</th><th>Use</th><th>Default</th><th>Fixed</th><th>Annotation</th></tr></thead><tbody><tr><td>id</td><td>xs:ID</td><td></td><td></td><td></td><td></td></tr><tr><td>minOccurs</td><td>xs:nonNegativeInteger</td><td>optional</td><td>1</td><td></td><td></td></tr><tr><td>maxOccurs</td><td>xs:anyNNI</td><td>optional</td><td>1</td><td></td><td></td></tr></tbody></table>	Name	Type	Use	Default	Fixed	Annotation	id	xs:ID					minOccurs	xs:nonNegativeInteger	optional	1			maxOccurs	xs:anyNNI	optional	1		
Name	Type	Use	Default	Fixed	Annotation																				
id	xs:ID																								
minOccurs	xs:nonNegativeInteger	optional	1																						
maxOccurs	xs:anyNNI	optional	1																						
source	<pre><xs:element name="choice" type="xs:explicitGroup" id="choice"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-1/#element-choice"/> </xs:annotation> </xs:element></pre>																								

element **complexContent**

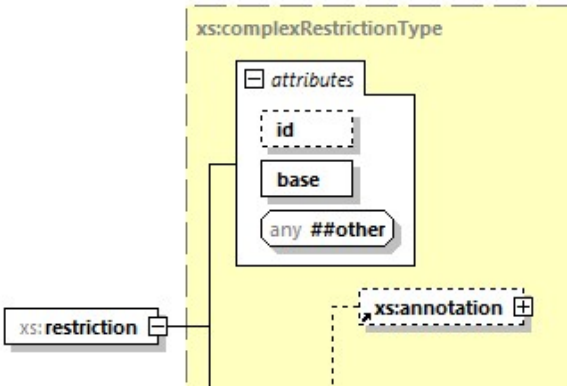
diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	extension of xs:annotated					
properties	content	complex				
	id	complexContent				

children	xs:annotation xs:restriction xs:extension					
used by	group complexTypeModel					
attributes	Name id mixed	Type xs:ID xs:boolean	Use	Default	Fixed	Annotation documentation Overrides any setting on complexType parent.
source	<pre> <xs:element name="complexContent" id="complexContent"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-1/#element-complexContent"/> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="xs:annotated"> <xs:choice> <xs:element name="restriction" type="xs:complexRestrictionType"/> <xs:element name="extension" type="xs:extensionType"/> </xs:choice> <xs:attribute name="mixed" type="xs:boolean"> <xs:annotation> <xs:documentation> Overrides any setting on complexType parent.</xs:documentation> </xs:annotation> </xs:attribute> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </pre>					

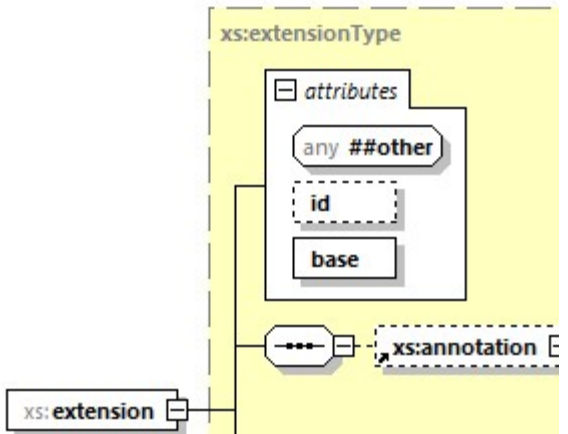
attribute **complexContent/@mixed**

type	xs:boolean
annotation	documentation Overrides any setting on complexType parent.
source	<pre> <xs:attribute name="mixed" type="xs:boolean"> <xs:annotation> <xs:documentation> Overrides any setting on complexType parent.</xs:documentation> </xs:annotation> </xs:attribute> </pre>

element **complexContent/restriction**

diagram	 <p>The diagram illustrates the structure of the <code>xs:restriction</code> element. It is a complex content element. The main container is <code>xs:complexRestrictionType</code>, which contains an <code>attributes</code> group. This group includes an <code>id</code> attribute (required), a <code>base</code> attribute (required), and an <code>any ##other</code> attribute group. Additionally, there is an <code>xs:annotation</code> element (optional) associated with the restriction.</p>					
namespace	http://www.w3.org/2001/XMLSchema					
type	xs:complexRestrictionType					
properties	content complex					
children	xs:annotation xs:group xs:all xs:choice xs:sequence xs:attribute xs:attributeGroup xs:anyAttribute					
used by	complexType idsValue group simpleDerivation					
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	base	xs:QName	required			
source	<code><xs:element name="restriction" type="xs:complexRestrictionType"/></code>					

element **complexContent/extension**


diagram	 <p>The diagram illustrates the structure of the <code>xs:extension</code> element. It is a complex content element. The main container is <code>xs:extensionType</code>, which contains an <code>attributes</code> group. This group includes an <code>any ##other</code> attribute group, an <code>id</code> attribute (required), and a <code>base</code> attribute (required). Additionally, there is an <code>xs:annotation</code> element (optional) associated with the extension.</p>					
namespace	http://www.w3.org/2001/XMLSchema					
type	xs:extensionType					
properties	content complex					
children	xs:annotation xs:group xs:all xs:choice xs:sequence xs:attribute xs:attributeGroup xs:anyAttribute					
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				

	base xs:QName required
source	<code><xs:element name="extension" type="xs:extensionType"/></code>

element **complexType**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	xs:topLevelComplexType					
properties	content complex id complexType					
children	xs:annotation xs:simpleContent xs:complexContent xs:group xs:all xs:choice xs:sequence xs:attribute xs:attributeGroup xs:anyAttribute					
used by	group redefinable					
attributes	Name id mixed abstract final block name	Type xs:ID xs:boolean xs:boolean xs:derivationSet xs:derivationSet xs:NCName	Use optional optional required	Default false false	Fixed 	Annotation documentation Not allowed if simpleContent child is chosen. May be overridden by setting on complexContent child.
source	<pre> <xs:element name="complexType" type="xs:topLevelComplexType" id="complexType"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-1/#element-complexType"/> </xs:annotation> </xs:element> </pre>					

element **documentation**

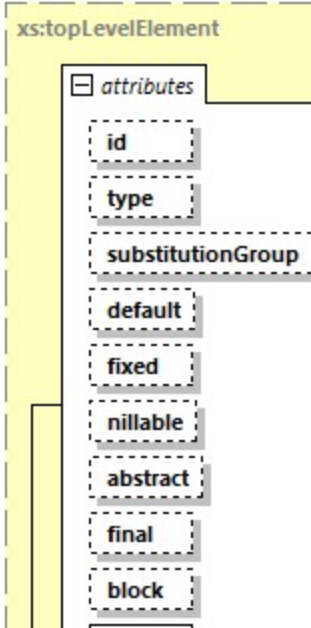
diagram						
namespace	http://www.w3.org/2001/XMLSchema					
properties	content	complex				
	mixed	true				
	id	documentation				
used by	element	annotation				
attributes	Name	Type	Use	Default	Fixed	Annotation
	source	xs:anyURI				
	xml:lang	derived by:				documentation
	g	xs:language				<div>
		e				<h3>lang (as an attribute name)</h3> <p>denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p>
						</div>
						<div>
						<h4>Notes</h4> <p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility.</p>
						</p>
						<p>
						See BCP 47 at http://www.rfc-editor.org/rfc/bcp/bcp47.txt

	<p> http://www.rfc-editor.org/rfc/bcp/bcp47.txt and the IANA language subtag registry at http://www.iana.org/assignments/language-subtag-registry for further information. The union allows for the 'un-declaration' of xml:lang with the empty string. </p>
source	<pre> <xs:element name="documentation" id="documentation"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-1/#element-documentation"/> </xs:annotation> <xs:complexType mixed="true"> <xs:sequence minOccurs="0" maxOccurs="unbounded"> <xs:any processContents="lax"/> </xs:sequence> <xs:attribute name="source" type="xs:anyURI"/> <xs:attribute ref="xml:lang"/> <xs:anyAttribute namespace="##other" processContents="lax"/> </xs:complexType> </xs:element> </pre>


attribute **documentation/@source**

type	xs:anyURI
source	<xs:attribute name="source" type="xs:anyURI"/>

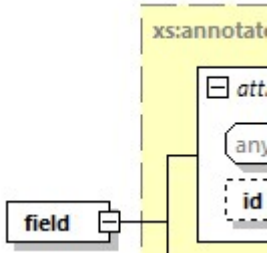
element **element**

diagram																																																																			
namespace	http://www.w3.org/2001/XMLSchema																																																																		
type	xs:topLevelElement																																																																		
properties	content complex id element																																																																		
children	xs:annotation xs:simpleType xs:complexType xs:unique xs:key xs:keyref																																																																		
used by	group schemaTop																																																																		
attributes	<table><thead><tr><th>Name</th><th>Type</th><th>Use</th><th>Default</th><th>Fixed</th><th>Annotation</th></tr></thead><tbody><tr><td>id</td><td>xs:ID</td><td></td><td></td><td></td><td></td></tr><tr><td>type</td><td>xs:QName</td><td></td><td></td><td></td><td></td></tr><tr><td>substitutionGroup</td><td>xs:QName</td><td></td><td></td><td></td><td></td></tr><tr><td>default</td><td>xs:string</td><td></td><td></td><td></td><td></td></tr><tr><td>fixed</td><td>xs:string</td><td></td><td></td><td></td><td></td></tr><tr><td>nillable</td><td>xs:boolean</td><td>optional</td><td>false</td><td></td><td></td></tr><tr><td>abstract</td><td>xs:boolean</td><td>optional</td><td>false</td><td></td><td></td></tr><tr><td>final</td><td>xs:derivationSet</td><td></td><td></td><td></td><td></td></tr><tr><td>block</td><td>xs:blockSet</td><td></td><td></td><td></td><td></td></tr><tr><td>name</td><td>xs:NCName</td><td>required</td><td></td><td></td><td></td></tr></tbody></table>	Name	Type	Use	Default	Fixed	Annotation	id	xs:ID					type	xs:QName					substitutionGroup	xs:QName					default	xs:string					fixed	xs:string					nillable	xs:boolean	optional	false			abstract	xs:boolean	optional	false			final	xs:derivationSet					block	xs:blockSet					name	xs:NCName	required			
Name	Type	Use	Default	Fixed	Annotation																																																														
id	xs:ID																																																																		
type	xs:QName																																																																		
substitutionGroup	xs:QName																																																																		
default	xs:string																																																																		
fixed	xs:string																																																																		
nillable	xs:boolean	optional	false																																																																
abstract	xs:boolean	optional	false																																																																
final	xs:derivationSet																																																																		
block	xs:blockSet																																																																		
name	xs:NCName	required																																																																	
source	<pre><xs:element name="element" type="xs:topLevelElement" id="element"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-1/#element-element"/> </xs:annotation> </xs:element></pre>																																																																		

element **enumeration**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	xs:noFixedFacet					
properties	content id	complex enumeration				
children	xs:annotation					
used by	group	facets				
attributes	Name id value	Type xs:ID	Use required	Default	Fixed	Annotation
source	<pre><xs:element name="enumeration" type="xs:noFixedFacet" id="enumeration"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#element-enumeration"/> </xs:annotation> </xs:element></pre>					

element **field**

diagram	
namespace	http://www.w3.org/2001/XMLSchema
type	extension of xs:annotated
properties	content complex id field
children	xs:annotation

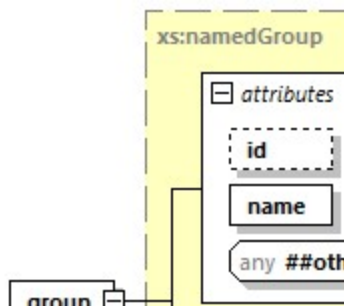
used by	complexType keybase					
attributes	Name id xpath	Type xs:ID derived by: xs:token	Use required	Default	Fixed	Annotation
source	<pre> <xs:element name="field" id="field"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-1/#element-field"/> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="xs:annotated"> <xs:attribute name="xpath" use="required"> <xs:simpleType> <xs:annotation> <xs:documentation>A subset of XPath expressions for use in fields</xs:documentation> <xs:documentation>A utility type, not for public use</xs:documentation> </xs:annotation> <xs:restriction base="xs:token"> <xs:annotation> <xs:documentation>The following pattern is intended to allow XPath expressions per the same EBNF as for selector, with the following change: Path ::= ('./')? (Step '/')* (Step '@' NameTest) </xs:documentation> </xs:annotation> <xs:pattern value="(\./)?((((child:)?((\i\c*:)?(\i\c* *))) \.)/*((((child:)?((\i\c*:)?(\i\c* *))) \.) ((attribute:: @)((\i\c*:)?(\i\c* *)))))*"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </pre>					

attribute **field/@xpath**

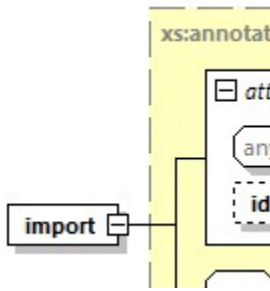
ty pe	restriction of xs:token				
pr op ert ies	use required				
fac	Kin	Value	Annot		

	<pre> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#element-fractionDigits"/> </xs:annotation> </xs:element> </pre>
--	---

element **group**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	xs:namedGroup					
properties	content	complex				
	id	group				
children	xs:annotation xs:all xs:choice xs:sequence					
used by	group	redefinable				
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	name	xs:NCName	required			
source	<pre><xs:element name="group" type="xs:namedGroup" id="group"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-1/#element-group"/> </xs:annotation> </xs:element></pre>					

element **import**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	extension of xs:annotated					
properties	content	complex				
	id	import				

children	xs:annotation					
used by	element schema					
attributes	Name id namespace schemaLocation	Type xs:ID xs:anyURI xs:anyURI	Use	Default	Fixed	Annotation
source	<pre> <xs:element name="import" id="import"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-1/#element-import"/> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="xs:annotated"> <xs:attribute name="namespace" type="xs:anyURI"/> <xs:attribute name="schemaLocation" type="xs:anyURI"/> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </pre>					

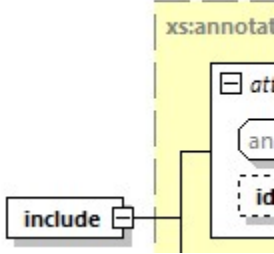
attribute **import/@namespace**

type	xs:anyURI
source	<pre><xs:attribute name="namespace" type="xs:anyURI"/></pre>

attribute **import/@schemaLocation**

type	xs:anyURI
source	<pre><xs:attribute name="schemaLocation" type="xs:anyURI"/></pre>

element **include**


diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	extension of xs:annotated					
properties	content id	complex include				

children	xs:annotation					
used by	element schema					
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	schemaLocation	xs:anyURI	required			
source	<pre><xs:element name="include" id="include"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-1/#element-include"/> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="xs:annotated"> <xs:attribute name="schemaLocation" type="xs:anyURI" use="required"/> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element></pre>					

attribute **include/@schemaLocation**

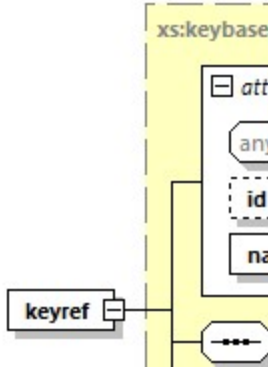
type	xs:anyURI
properties	use required
source	<pre><xs:attribute name="schemaLocation" type="xs:anyURI" use="required"/></pre>

element **key**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	xs:keybase					
properties	content complex id key					
children	xs:annotation xs:selector xs:field					
used by	group identityConstraint					
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	name	xs:NCName	required			

source	<pre><xs:element name="key" type="xs:keybase" id="key"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-1/#element-key"/> </xs:annotation> </xs:element></pre>
--------	---

element **keyref**

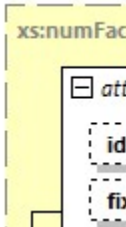
diagram										
namespace	http://www.w3.org/2001/XMLSchema									
type	extension of xs:keybase									
properties	content	complex								
	id	keyref								
children	xs:annotation xs:selector xs:field									
used by	group	identityConstraint								
attributes	Name	Type	Use	Default	Fixed	Annotation				
	id	xs:ID								
	name	xs:NCName	required							
	refer	xs:QName	required							
source	<pre><xs:element name="keyref" id="keyref"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-1/#element-keyref"/> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="xs:keybase"> <xs:attribute name="refer" type="xs:QName" use="required"/> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element></pre>									

attribute **keyref/@refer**

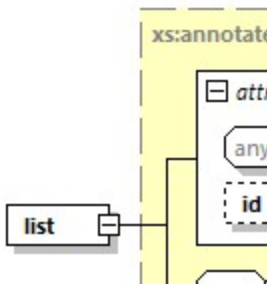
type	xs:QName
properties	use required

source	<code><xs:attribute name="refer" type="xs:QName" use="required"/></code>
--------	--

element **length**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	xs:numFacet					
properties	content	complex				
	id	length				
children	xs:annotation					
used by	group	facets				
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	fixed	xs:boolean	optional	false		
	value	xs:nonNegativeInteger	required			
source	<pre><xs:element name="length" type="xs:numFacet" id="length"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#element-length"/> </xs:annotation> </xs:element></pre>					

element **list**

diagram	
namespace	http://www.w3.org/2001/XMLSchema
type	extension of xs:annotated
properties	content complex id list
children	xs:annotation xs:simpleType
used by	group simpleDerivation

attributes	Name id itemType	Type xs:ID xs:QName	Use optional	Default	Fixed	Annotation
source	<pre> <xs:element name="list" id="list"> <xs:complexType> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#element-list"> itemType attribute and simpleType child are mutually exclusive, but one or other is required </xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="xs:annotated"> <xs:sequence> <xs:element name="simpleType" type="xs:localSimpleType" minOccurs="0"/> </xs:sequence> <xs:attribute name="itemType" type="xs:QName" use="optional"/> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </pre>					

attribute **list/@itemType**

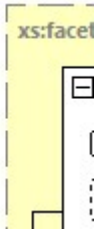
type	xs:QName
properties	use optional
source	<pre><xs:attribute name="itemType" type="xs:QName" use="optional"/></pre>

element **list/simpleType**

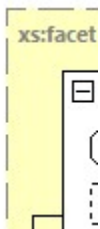
diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	xs:localSimpleType					
properties	minOcc 0 maxOcc 1 content complex					
children	xs:annotation xs:restriction xs:list xs:union					
used by	group redefinable					
attributes	Name id	Type xs:ID	Use	Default	Fixed	Annotation

source	<code><xs:element name="simpleType" type="xs:localSimpleType" minOccurs="0"/></code>
--------	--

element **maxExclusive**


diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	xs:facet					
properties	content	complex				
	id	maxExclusive				
children	xs:annotation					
used by	group	facets				
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	value		required			
	fixed	xs:boolean	optional	false		
source	<pre><xs:element name="maxExclusive" type="xs:facet" id="maxExclusive"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#element-maxExclusive"/> </xs:annotation> </xs:element></pre>					

element **maxInclusive**


diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	xs:facet					
properties	content	complex				
	id	maxInclusive				
children	xs:annotation					
used by	group	facets				
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				

	value fixed	xs:boolean	required optional	false
source	<pre> <xs:element name="maxInclusive" type="xs:facet" id="maxInclusive"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#element-maxInclusive"/> </xs:annotation> </xs:element> </pre>			

element **maxLength**

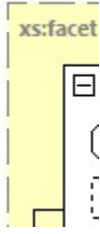
diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	xs:numFacet					
properties	content	complex				
	id	maxLength				
children	xs:annotation					
used by	group	facets				
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	fixed	xs:boolean	optional	false		
	value	xs:nonNegativeInteger	required			
source	<pre><xs:element name="maxLength" type="xs:numFacet" id="maxLength"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#element-maxLength"/> </xs:annotation> </xs:element></pre>					

element **minExclusive**


diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	xs:facet					

properties	content id	complex minExclusive				
children	xs:annotation					
used by	group	facets				
attributes	Name id value fixed	Type xs:ID xs:boolean	Use required optional	Default false	Fixed	Annotation
source	<pre><xs:element name="minExclusive" type="xs:facet" id="minExclusive"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#element-minExclusive"/> </xs:annotation> </xs:element></pre>					

element **minInclusive**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	xs:facet					
properties	content id	complex minInclusive				
children	xs:annotation					
used by	group	facets				
attributes	Name id value fixed	Type xs:ID xs:boolean	Use required optional	Default false	Fixed	Annotation
source	<pre><xs:element name="minInclusive" type="xs:facet" id="minInclusive"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#element-minInclusive"/> </xs:annotation> </xs:element></pre>					

element **minLength**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	xs:numFacet					
properties	content	complex				
	id	minLength				
children	xs:annotation					
used by	group	facets				
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	fixed	xs:boolean	optional	false		
	value	xs:nonNegativeInteger	required			
source	<pre><xs:element name="minLength" type="xs:numFacet" id="minLength"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#element-minLength"/> </xs:annotation> </xs:element></pre>					

element **notation**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	extension of xs:annotated					
properties	content	complex				
	id	notation				
children	xs:annotation					
used by	group	schemaTop				
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	name	xs:NCName	required			

	public xs:public system xs:anyURI
source	<pre> <xs:element name="notation" id="notation"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-1/#element-notation"/> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="xs:annotated"> <xs:attribute name="name" type="xs:NCName" use="required"/> <xs:attribute name="public" type="xs:public"/> <xs:attribute name="system" type="xs:anyURI"/> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </pre>

attribute **notation/@name**

type	xs:NCName
properties	use required
source	<pre><xs:attribute name="name" type="xs:NCName" use="required"/></pre>

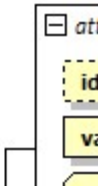
attribute **notation/@public**

type	xs:public
source	<pre><xs:attribute name="public" type="xs:public"/></pre>

attribute **notation/@system**

type	xs:anyURI
source	<pre><xs:attribute name="system" type="xs:anyURI"/></pre>

element **pattern**

diagram	
namespace	http://www.w3.org/2001/XMLSchema
type	restriction of xs:noFixedFacet

properties	content id complex pattern					
children	xs:annotation					
used by	group facets					
attributes	Name id value	Type xs:ID xs:string	Use required	Default	Fixed	Annotation
source	<pre><xs:element name="pattern" id="pattern"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#element-pattern"/> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:restriction base="xs:noFixedFacet"> <xs:sequence> <xs:element ref="xs:annotation" minOccurs="0"/> </xs:sequence> <xs:attribute name="value" type="xs:string" use="required"/> <xs:anyAttribute namespace="##other" processContents="lax"/> </xs:restriction> </xs:complexContent> </xs:complexType> </xs:element></pre>					

attribute **pattern/@value**

type	xs:string
properties	use required
source	<code><xs:attribute name="value" type="xs:string" use="required"/></code>

element **redefine**

diagram	
namespace	http://www.w3.org/2001/XMLSchema
type	extension of xs:openAttrs

properties	content complex id redefine					
children	xs:annotation xs:simpleType xs:complexType xs:group xs:attributeGroup					
used by	element	schema				
attributes	Name schemaLocation id	Type xs:anyURI xs:ID	Use required	Default	Fixed	Annotation
source	<pre><xs:element name="redefine" id="redefine"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-1/#element-redefine"/> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="xs:openAttrs"> <xs:choice minOccurs="0" maxOccurs="unbounded"> <xs:element ref="xs:annotation"/> <xs:group ref="xs:redefinable"/> </xs:choice> <xs:attribute name="schemaLocation" type="xs:anyURI" use="required"/> <xs:attribute name="id" type="xs:ID"/> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element></pre>					

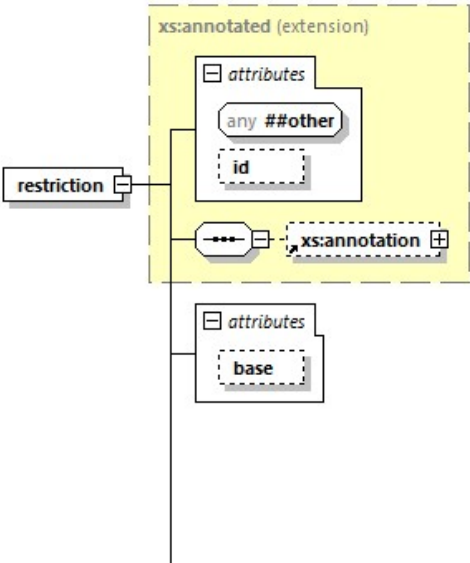
attribute **redefine/@schemaLocation**

type	xs:anyURI
properties	use required
source	<pre><xs:attribute name="schemaLocation" type="xs:anyURI" use="required"/></pre>

attribute **redefine/@id**

type	xs:ID
source	<pre><xs:attribute name="id" type="xs:ID"/></pre>

element **restriction**

diagram																			
namespace	http://www.w3.org/2001/XMLSchema																		
type	extension of xs:annotated																		
properties	content complex id restriction																		
children	xs:annotation xs:simpleType xs:minExclusive xs:minInclusive xs:maxExclusive xs:maxInclusive xs:totalDigits xs:fractionDigits xs:length xs:minLength xs:maxLength xs:enumeration xs:whiteSpace xs:pattern																		
used by	complexType idsValue group simpleDerivation																		
attributes	<table><thead><tr><th>Name</th><th>Type</th><th>Use</th><th>Default</th><th>Fixed</th><th>Annotation</th></tr></thead><tbody><tr><td>id</td><td>xs:ID</td><td></td><td></td><td></td><td></td></tr><tr><td>base</td><td>xs:QName</td><td>optional</td><td></td><td></td><td></td></tr></tbody></table>	Name	Type	Use	Default	Fixed	Annotation	id	xs:ID					base	xs:QName	optional			
Name	Type	Use	Default	Fixed	Annotation														
id	xs:ID																		
base	xs:QName	optional																	
source	<pre><xs:element name="restriction" id="restriction"> <xs:complexType> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#element-restriction"> base attribute and simpleType child are mutually exclusive, but one or other is required </xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="xs:annotated"> <xs:group ref="xs:simpleRestrictionModel"/> <xs:attribute name="base" type="xs:QName" use="optional"/> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element></pre>																		

attribute **restriction/@base**

type	xs:QName
properties	use optional
source	<code><xs:attribute name="base" type="xs:QName" use="optional"/></code>

element **schema**

diagram																															
namespace	http://www.w3.org/2001/XMLSchema																														
type	extension of xs:openAttrs																														
properties	content id complex schema																														
children	xs:include xs:import xs:redefine xs:annotation xs:simpleType xs:complexType xs:group xs:attributeGroup xs:element xs:attribute xs:notation																														
attributes	<table><thead><tr><th>Name</th><th>Type</th><th>Use</th><th>Default</th><th>Fixed</th><th>Annotation</th></tr></thead><tbody><tr><td>targetNamespace</td><td>xs:anyURI</td><td></td><td></td><td></td><td></td></tr><tr><td>version</td><td>xs:token</td><td></td><td></td><td></td><td></td></tr><tr><td>finalDefault</td><td>xs:fullDerivationSet</td><td>optional</td><td><empty></td><td></td><td></td></tr><tr><td>blockDefault</td><td>xs:blockSet</td><td>optional</td><td><empty></td><td></td><td></td></tr></tbody></table>	Name	Type	Use	Default	Fixed	Annotation	targetNamespace	xs:anyURI					version	xs:token					finalDefault	xs:fullDerivationSet	optional	<empty>			blockDefault	xs:blockSet	optional	<empty>		
Name	Type	Use	Default	Fixed	Annotation																										
targetNamespace	xs:anyURI																														
version	xs:token																														
finalDefault	xs:fullDerivationSet	optional	<empty>																												
blockDefault	xs:blockSet	optional	<empty>																												

	attributeFormDefault elementFormDefault id xml:lang	xs:formChoice xs:ID derived by: xs:language	option al option al	unqualifi ed unqualifi ed	<div>documentation</div> <div><div><div><h3>lang (as an attribute name)</h3><div><p>denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p></div></div><div><h4>Notes</h4><p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility.</p><p>See BCP 47 at http://www.rfc-editor.org/rfc/bcp/bcp47.txt and the IANA language subtag registry at http://www.iana.org/assignments/language-subtag-registry for further information.</p><p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p></div></div></div></div></div>	
identity constraints	key key key key key key key	Name element attribute type group attributeGroup notation identityConstraint	Refer	Selector xs:element xs:attribute xs:complexType xs:simpleType xs:group xs:attributeGroup xs:notation ../xs:key ../xs:unique ../xs:keyref	Field(s) @name @name @name @name @name @name @name	Annotation
source	<xs:element name="schema" id="schema"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-1/#element-schema"/> </xs:annotation> </xs:element>					

```

</xs:annotation>
<xs:complexType>
  <xs:complexContent>
    <xs:extension base="xs:openAttrs">
      <xs:sequence>
        <xs:choice minOccurs="0" maxOccurs="unbounded">
          <xs:element ref="xs:include"/>
          <xs:element ref="xs:import"/>
          <xs:element ref="xs:redefine"/>
          <xs:element ref="xs:annotation"/>
        </xs:choice>
        <xs:sequence minOccurs="0" maxOccurs="unbounded">
          <xs:group ref="xs:schemaTop"/>
          <xs:element ref="xs:annotation" minOccurs="0" maxOccurs="unbounded"/>
        </xs:sequence>
      </xs:sequence>
      <xs:attribute name="targetNamespace" type="xs:anyURI"/>
      <xs:attribute name="version" type="xs:token"/>
      <xs:attribute name="finalDefault" type="xs:fullDerivationSet" use="optional"
default=""/>
      <xs:attribute name="blockDefault" type="xs:blockSet" use="optional"
default=""/>
      <xs:attribute name="attributeFormDefault" type="xs:formChoice"
use="optional" default="unqualified"/>
      <xs:attribute name="elementFormDefault" type="xs:formChoice" use="optional"
default="unqualified"/>
      <xs:attribute name="id" type="xs:ID"/>
      <xs:attribute ref="xml:lang"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:key name="element">
  <xs:selector xpath="xs:element"/>
  <xs:field xpath="@name"/>
</xs:key>
<xs:key name="attribute">
  <xs:selector xpath="xs:attribute"/>
  <xs:field xpath="@name"/>
</xs:key>
<xs:key name="type">
  <xs:selector xpath="xs:complexType|xs:simpleType"/>
  <xs:field xpath="@name"/>
</xs:key>
<xs:key name="group">
  <xs:selector xpath="xs:group"/>
  <xs:field xpath="@name"/>
</xs:key>
<xs:key name="attributeGroup">
  <xs:selector xpath="xs:attributeGroup"/>
  <xs:field xpath="@name"/>
</xs:key>
<xs:key name="notation">
  <xs:selector xpath="xs:notation"/>
  <xs:field xpath="@name"/>
</xs:key>

```

	<pre> <xs:key name="identityConstraint"> <xs:selector xpath=" ../xs:key ../xs:unique ../xs:keyref"/> <xs:field xpath="@name"/> </xs:key> </xs:element> </pre>
--	---

attribute **schema/@targetNamespace**

type	xs:anyURI
source	<code><xs:attribute name="targetNamespace" type="xs:anyURI"/></code>

attribute **schema/@version**

type	xs:token
source	<code><xs:attribute name="version" type="xs:token"/></code>

attribute **schema/@finalDefault**

type	xs:fullDerivationSet				
properties	<table> <tr> <td>use</td><td>optional</td></tr> <tr> <td>default</td><td><empty></td></tr> </table>	use	optional	default	<empty>
use	optional				
default	<empty>				
source	<code><xs:attribute name="finalDefault" type="xs:fullDerivationSet" use="optional" default=""/></code>				

attribute **schema/@blockDefault**

type	xs:blockSet				
properties	<table> <tr> <td>use</td><td>optional</td></tr> <tr> <td>default</td><td><empty></td></tr> </table>	use	optional	default	<empty>
use	optional				
default	<empty>				
source	<code><xs:attribute name="blockDefault" type="xs:blockSet" use="optional" default=""/></code>				

attribute **schema/@attributeFormDefault**

type	xs:formChoice		
properties	use	optional	
	default	unqualified	
facets	Kind	Value	Annotation
	enumeration	qualified	
	enumeration	unqualified	
source	<xs:attribute name="attributeFormDefault" type="xs:formChoice" use="optional" default="unqualified"/>		

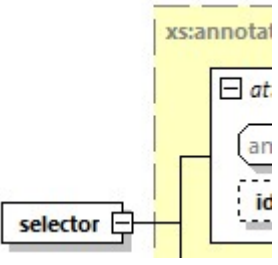
attribute **schema/@elementFormDefault**

type	xs:formChoice
properties	<div>use optional</div> <div>default unqualified</div>
facets	<div>Kind Value Annotation</div> <div>enumeration qualified</div> <div>enumeration unqualified</div>
source	<code><xs:attribute name="elementFormDefault" type="xs:formChoice" use="optional" default="unqualified"/></code>

attribute **schema/@id**

type	xs:ID
source	<code><xs:attribute name="id" type="xs:ID"/></code>

element **selector**

diag ram						
nam espa ce	http://www.w3.org/2001/XMLSchema					
type	extension of xs:annotated					
pro perti es	<div>content complex</div> <div>id selector</div>					
chil dren	xs:annotation					
use d by	complexType keybase					
attri bute s	<div>Name</div> <div>id</div> <div>xpath</div>	<div>Type</div> <div>xs:ID</div> <div>derived by:</div> <div>xs:token</div>	<div>Use</div> <div>required</div>	Default	Fixed	Annotation
sour ce	<pre><xs:element name="selector" id="selector"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-1/#element-selector"/> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="xs:annotated"></pre>					

	<pre> <xs:attribute name="xpath" use="required"> <xs:simpleType> <xs:annotation> <xs:documentation>A subset of XPath expressions for use in selectors</xs:documentation> <xs:documentation>A utility type, not for public use</xs:documentation> </xs:annotation> <xs:restriction base="xs:token"> <xs:annotation> <xs:documentation>The following pattern is intended to allow XPath expressions per the following EBNF: Selector ::= Path (' ' Path)* Path ::= ('.//')? Step ('/' Step)* Step ::= '.' NameTest NameTest ::= QName '*' NCName ':' '*' child:: is also allowed </xs:documentation> </xs:annotation> <xs:pattern value="(\.//)?(((child:)?((\i\c*:?)(\i\c* *)) \.)/(((child:)?((\i\c*:?)(\i\c* *))))) \.))*(\(\.//)?(((child:)?((\i\c*:?)(\i\c* *)) \.)/(((child:)?((\i\c*:?)(\i\c* *)) c* *)) \.))*)*"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </pre>
--	--

attribute **selector/@xpath**

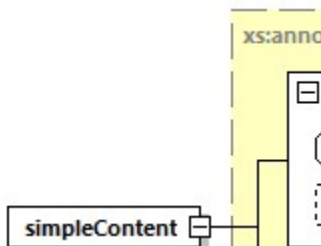
type	restriction of xs:token		
properties	use required		
facets	Kind	Value	Annotation
	pattern	(\\./)?((((child:)?(\\i\\c* *))\\. \\./((((child:)?(\\i\\c* *))\\. \\.)*(\\./)?((((child:)?(\\i\\c* *))\\. \\.)/((((child:)?(\\i\\c* *))\\. \\.)*)*)	
source	<pre><xs:attribute name="xpath" use="required"> <xs:simpleType> <xs:annotation> <xs:documentation>A subset of XPath expressions for use in selectors</xs:documentation> <xs:documentation>A utility type, not for public use</xs:documentation> </xs:annotation> <xs:restriction base="xs:token"> <xs:annotation> <xs:documentation>The following pattern is intended to allow XPath expressions per the following EBNF:</pre>		

	<pre> Selector ::= Path (' ' Path)* Path ::= ('./')? Step ('/' Step)* Step ::= '.' NameTest NameTest ::= QName '*' NCName ':' '*' child:: is also allowed </xs:documentation> </xs:annotation> <xs:pattern value="(\./)?(((child:)?(\i\c*:)?(\i\c* *)) \.)(/(((child:)?(\i\c*:)?(\i\c* *)) \.))*(\ (\./)?(((child:)?(\i\c*:)?(\i\c* *)) \.)(/(((child:)?(\i\c*:)?(\i\c* *)) \.))*)*"/> </xs:restriction> </xs:simpleType> </xs:attribute> </pre>
--	---

element
 sequence

<div> <div> <div> <div> <div>sequence</div> </div> </div> </div> </div> <div> <div>xs:explicitGroup</div> <div> <div>attributes</div> <div>id</div> <div>minOccurs</div> <div>maxOccurs</div> <div>any ##other</div> </div> </div>
--

element **simpleContent**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	extension of xs:annotated					
properties	content	complex				
	id	simpleContent				
children	xs:annotation xs:restriction xs:extension					
used by	group	complexTypeModel				
attributes	Name id	Type xs:ID	Use	Default	Fixed	Annotation
source	<pre><xs:element name="simpleContent" id="simpleContent"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-1/#element-simpleContent"/> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="xs:annotated"> <xs:choice> <xs:element name="restriction" type="xs:simpleRestrictionType"/> <xs:element name="extension" type="xs:simpleExtensionType"/> </xs:choice> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element></pre>					

element **simpleContent/restriction**

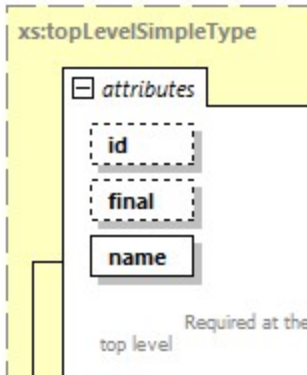
diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	xs:simpleRestrictionType					
properties	content complex					
children	xs:annotation xs:simpleType xs:minExclusive xs:minInclusive xs:maxExclusive xs:maxInclusive xs:totalDigits xs:fractionDigits xs:length xs:minLength xs:maxLength xs:enumeration xs:whiteSpace xs:pattern xs:attribute xs:attributeGroup xs:anyAttribute					
used by	complexType idsValue group simpleDerivation					
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	base	xs:QName	required			
source	<xs:element name="restriction" type="xs:simpleRestrictionType"/>					

element **simpleContent/extension**


diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	xs:simpleExtensionType					
properties	content complex					
children	xs:annotation xs:attribute xs:attributeGroup xs:anyAttribute					
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	base	xs:QName	required			

source	<code><xs:element name="extension" type="xs:simpleExtensionType"/></code>
--------	---

element **simpleType**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	xs:topLevelSimpleType					
properties	content	complex				
	id	simpleType				
children	xs:annotation xs:restriction xs:list xs:union					
used by	group	redefinable				
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	final	xs:simpleDerivationSet				
	name	xs:NCName	required			documentation
						Required at the top level
source	<pre><xs:element name="simpleType" type="xs:topLevelSimpleType" id="simpleType"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#element-simpleType"/> </xs:annotation> </xs:element></pre>					

element **totalDigits**

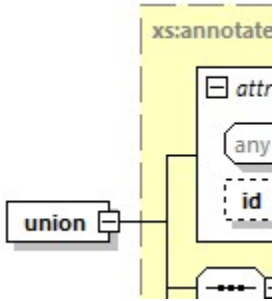
diagram						
namespace	http://www.w3.org/2001/XMLSchema					

type	restriction of xs:numFacet					
properties	content	complex				
	id	totalDigits				
children	xs:annotation					
used by	group	facets				
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	fixed	xs:boolean	optional	false		
	value	xs:positiveInteger	required			
source	<pre><xs:element name="totalDigits" id="totalDigits"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#element-totalDigits"/> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:restriction base="xs:numFacet"> <xs:sequence> <xs:element ref="xs:annotation" minOccurs="0"/> </xs:sequence> <xs:attribute name="value" type="xs:positiveInteger" use="required"/> <xs:anyAttribute namespace="##other" processContents="lax"/> </xs:restriction> </xs:complexContent> </xs:complexType> </xs:element></pre>					

attribute **totalDigits/@value**

type	xs:positiveInteger
properties	use required
source	<code><xs:attribute name="value" type="xs:positiveInteger" use="required"/></code>

element **union**

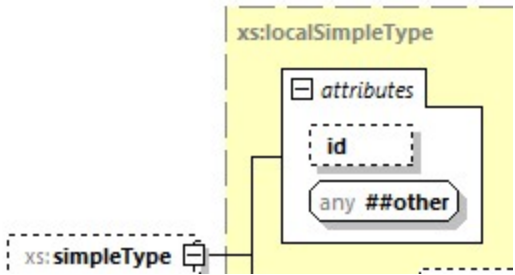
diagram	 <p>The diagram illustrates the 'union' element as a container for multiple attributes. It shows a box labeled 'union' connected to a larger box labeled 'xs:annotated'. Inside the 'xs:annotated' box, there are three smaller boxes representing attributes: 'attr', 'any', and 'id'. The 'id' box is highlighted with a dashed border, indicating it is the current focus or a specific attribute within the union.</p>
namespace	http://www.w3.org/2001/XMLSchema
type	extension of xs:annotated

properties	content id	complex union				
children	xs:annotation xs:simpleType					
used by	group	simpleDerivation				
attributes	Name id memberTypes	Type xs:ID derived by: xs:list	Use optional	Default	Fixed	Annotation
source	<pre> <xs:element name="union" id="union"> <xs:complexType> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#element-union" memberTypes attribute must be non-empty or there must be at least one simpleType child </xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="xs:annotated"> <xs:sequence> <xs:element name="simpleType" type="xs:localSimpleType" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> <xs:attribute name="memberTypes" use="optional"> <xs:simpleType> <xs:list itemType="xs:QName"/> </xs:simpleType> </xs:attribute> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </pre>					


attribute **union/@memberTypes**

type	list of xs:QName
properties	use optional
source	<pre> <xs:attribute name="memberTypes" use="optional"> <xs:simpleType> <xs:list itemType="xs:QName"/> </xs:simpleType> </xs:attribute> </pre>

element **union/simpleType**


diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	xs:localSimpleType					
properties	minOcc	0	maxOcc	unbounded	content	complex
children	xs:annotation xs:restriction xs:list xs:union					
used by	group	redefinable				
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
source	<pre><xs:element name="simpleType" type="xs:localSimpleType" minOccurs="0" maxOccurs="unbounded"/></pre>					

element **unique**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	xs:keybase					
properties	content	complex	id	unique		
children	xs:annotation xs:selector xs:field					
used by	group	identityConstraint				
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	name	xs:NCName	required			
source	<pre><xs:element name="unique" type="xs:keybase" id="unique"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-1/#element-unique"/> </xs:annotation></pre>					

	<code></xs:element></code>
--	----------------------------------

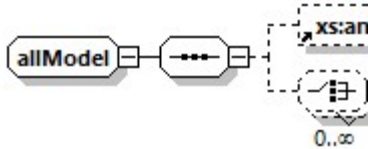
element **whiteSpace**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	restriction of xs:facet					
properties	content	complex				
	id	whiteSpace				
children	xs:annotation					
used by	group	facets				
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	value	derived by: xs:NMTOKEN	required			
	fixed	xs:boolean	optional	false		
source	<pre><xs:element name="whiteSpace" id="whiteSpace"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#element-whiteSpace"/> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:restriction base="xs:facet"> <xs:sequence> <xs:element ref="xs:annotation" minOccurs="0"/> </xs:sequence> <xs:attribute name="value" use="required"> <xs:simpleType> <xs:restriction base="xs:NMTOKEN"> <xs:enumeration value="preserve"/> <xs:enumeration value="replace"/> <xs:enumeration value="collapse"/> </xs:restriction> </xs:simpleType> </xs:attribute> <xs:anyAttribute namespace="##other" processContents="lax"/> </xs:restriction> </xs:complexContent> </xs:complexType> </xs:element></pre>					

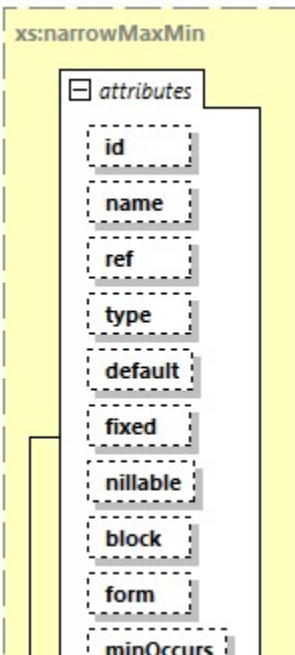
attribute **whiteSpace/@value**

type	restriction of xs:NMTOKEN		
properties	use required		
facets	Kind	Value	Annotation
	enumeration	preserve	
	enumeration	replace	
	enumeration	collapse	
source	<pre> <xs:attribute name="value" use="required"> <xs:simpleType> <xs:restriction base="xs:NMTOKEN"> <xs:enumeration value="preserve"/> <xs:enumeration value="replace"/> <xs:enumeration value="collapse"/> </xs:restriction> </xs:simpleType> </xs:attribute> </pre>		

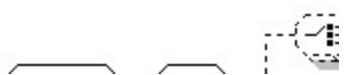
group **allModel**

diagram	
namespace	http://www.w3.org/2001/XMLSchema
children	xs:annotation xs:element
used by	element namedGroup/all complexType all
source	<pre><xs:group name="allModel"> <xs:sequence> <xs:element ref="xs:annotation" minOccurs="0"/> <xs:choice minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>This choice with min/max is here to avoid a pblm with the Elt:All/Choice/Seq Particle derivation constraint</xs:documentation> </xs:annotation> <xs:element name="element" type="xs:narrowMaxMin"/> </xs:choice> </xs:sequence> </xs:group></pre>

element **allModel/element**


diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	xs:narrowMaxMin					
properties	content complex					
children	xs:annotation xs:simpleType xs:complexType xs:unique xs:key xs:keyref					
used by	group schemaTop					
attributes	Name id name ref type default fixed nillable block form minOccurs maxOccurs	Type xs:ID xs:NCName xs:QName xs:QName xs:string xs:string xs:boolean xs:blockSet xs:formChoice derived by: xs:nonNegativeInteger derived by: xs:allNNI	Use optional optional optional	Default false 1 1	Fixed 	Annotation
source	<xs:element name="element" type="xs:narrowMaxMin"/>					

group **attrDecls**


diagram	
---------	---

namespace	http://www.w3.org/2001/XMLSchema
children	xs:attribute xs:attributeGroup xs:anyAttribute
used by	complexTypes attributeGroup complexRestrictionType extensionType namedAttributeGroup restrictionType simpleExtensionType simpleRestrictionType group complexTypeModel
source	<pre> <xs:group name="attrDecls"> <xs:sequence> <xs:choice minOccurs="0" maxOccurs="unbounded"> <xs:element name="attribute" type="xs:attribute"/> <xs:element name="attributeGroup" type="xs:attributeGroupRef"/> </xs:choice> <xs:element ref="xs:anyAttribute" minOccurs="0"/> </xs:sequence> </xs:group> </pre>

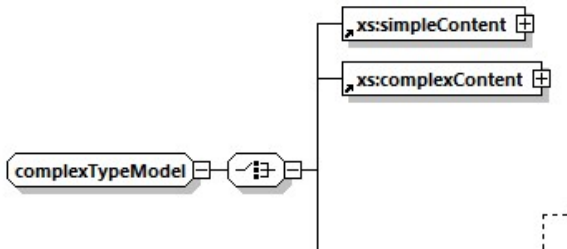
element **attrDecls/attribute**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	xs:attribute					
properties	content complex					
children	xs:annotation xs:simpleType					
used by	group schemaTop					
attributes	Name id name ref type use default fixed form	Type xs:ID xs:NCName xs:QName xs:QName derived by: xs:NMTOKEN xs:string xs:string xs:formChoice	Use optional 	Default optional 	Fixed 	Annotation
source	<pre><xs:element name="attribute" type="xs:attribute"/></pre>					

element **attrDecls/attributeGroup**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	xs:attributeGroupRef					
properties	content complex					
children	xs:annotation					
used by	group redefinable					
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	ref	xs:QName	required			
source	<code><xs:element name="attributeGroup" type="xs:attributeGroupRef"/></code>					

group **complexTypeModel**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
children	xs:simpleContent xs:complexContent xs:group xs:all xs:choice xs:sequence xs:attribute xs:attributeGroup xs:anyAttribute					
used by	complexType complexType localComplexType topLevelComplexType					
source	<pre> <xs:group name="complexTypeModel"> <xs:choice> <xs:element ref="xs:simpleContent"/> <xs:element ref="xs:complexContent"/> </xs:choice> <xs:sequence> <xs:annotation> <xs:documentation> This branch is short for <complexContent> <restriction base="xs:anyType"> ... </restriction> </complexContent> </xs:documentation> </xs:annotation> </xs:sequence> </xs:group> </pre>					


	<pre> <xs:group ref="xs:typeDefParticle" minOccurs="0"/> <xs:group ref="xs:attrDecls"/> </xs:sequence> </xs:choice> </xs:group> </pre>
--	--

group facets


diagram	
namespace	http://www.w3.org/2001/XMLSchema
children	xs:minExclusive xs:minInclusive xs:maxExclusive xs:maxInclusive xs:totalDigits xs:fractionDigits xs:length xs:minLength xs:maxLength xs:enumeration xs:whiteSpace xs:pattern
used by	group simpleRestrictionModel
annotation	<p>documentation</p> <p>We should use a substitution group for facets, but that's ruled out because it would allow users to add their own, which we're not ready for yet.</p>
source	<pre> <xs:group name="facets"> <xs:annotation> <xs:documentation> We should use a substitution group for facets, but that's ruled out because it would allow users to add their own, which we're not ready for yet. </xs:documentation> </xs:annotation> <xs:choice> <xs:element ref="xs:minExclusive"/> <xs:element ref="xs:minInclusive"/> <xs:element ref="xs:maxExclusive"/> <xs:element ref="xs:maxInclusive"/> <xs:element ref="xs:totalDigits"/> <xs:element ref="xs:fractionDigits"/> <xs:element ref="xs:length"/> <xs:element ref="xs:minLength"/> <xs:element ref="xs:maxLength"/> <xs:element ref="xs:enumeration"/> <xs:element ref="xs:whiteSpace"/> <xs:element ref="xs:pattern"/> </xs:choice> </xs:group> </pre>

	<code></xs:choice></code> <code></xs:group></code>
--	---

group **identityConstraint**

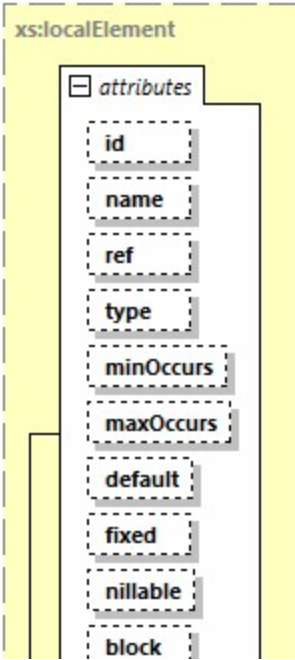
diagram	
namespace	http://www.w3.org/2001/XMLSchema
children	xs:unique xs:key xs:keyref
used by	complexType element localElement narrowMaxMin topLevelElement
annotation	documentation The three kinds of identity constraints, all with type of or derived from 'keybase'.
source	<pre> <xs:group name="identityConstraint"> <xs:annotation> <xs:documentation>The three kinds of identity constraints, all with type of or derived from 'keybase'. </xs:documentation> </xs:annotation> <xs:choice> <xs:element ref="xs:unique"/> <xs:element ref="xs:key"/> <xs:element ref="xs:keyref"/> </xs:choice> </xs:group> </pre>

group **nestedParticle**

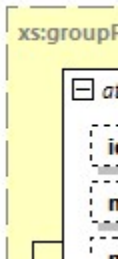
diagram	
namespace	http://www.w3.org/2001/XMLSchema
children	xs:element xs:group xs:choice xs:sequence xs:any
used by	complexType explicitGroup simpleExplicitGroup
source	<pre> <xs:group name="nestedParticle"> <xs:choice> <xs:element name="element" type="xs:localElement"/> <xs:element name="group" type="xs:groupRef"/> <xs:element ref="xs:choice"/> <xs:element ref="xs:sequence"/> <xs:element ref="xs:any"/> </xs:choice> </pre>

</xs:group>


element **nestedParticle/element**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	xs:localElement					
properties	content complex					
children	xs:annotation xs:simpleType xs:complexType xs:unique xs:key xs:keyref					
used by	group schemaTop					
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	name	xs:NCName				
	ref	xs:QName				
	type	xs:QName				
	minOccurs	xs:nonNegativeInteger	optional	1		
	maxOccurs	xs:allNNI	optional	1		
	default	xs:string				
	fixed	xs:string				
	nillable	xs:boolean	optional	false		
	block	xs:blockSet				
	form	xs:formChoice				
source	<xs:element name="element" type="xs:localElement"/>					

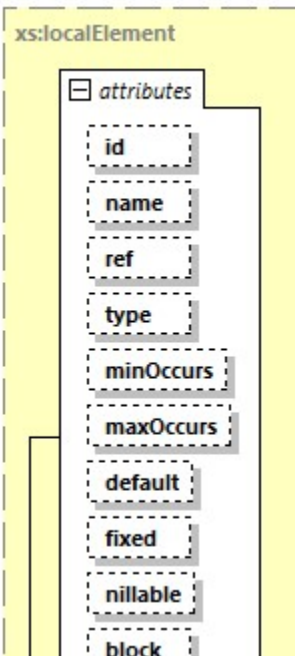
element **nestedParticle/group**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	xs:groupRef					
properties	content complex					
children	xs:annotation					
used by	group redefinable					
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	minOccurs	xs:nonNegativeInteger	optional	1		
	maxOccurs	xs:allNNI	optional	1		
	ref	xs:QName	required			
source	<code><xs:element name="group" type="xs:groupRef"/></code>					

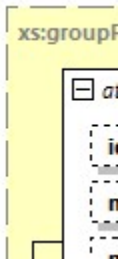
group **particle**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
children	xs:element xs:group xs:all xs:choice xs:sequence xs:any					
used by	complexType group					
source	<pre> <xs:group name="particle"> <xs:choice> <xs:element name="element" type="xs:localElement"/> <xs:element name="group" type="xs:groupRef"/> <xs:element ref="xs:all"/> <xs:element ref="xs:choice"/> <xs:element ref="xs:sequence"/> <xs:element ref="xs:any"/> </xs:choice> </xs:group> </pre>					


element **particle/element**

diagram	 <p>The diagram shows a yellow box labeled xs:localElement. Inside this box, there is a smaller box labeled attributes with a minus sign icon. Below the attributes box, a list of attributes is shown in dashed boxes: id, name, ref, type, minOccurs, maxOccurs, default, fixed, nillable, and block.</p>					
namespace	http://www.w3.org/2001/XMLSchema					
type	xs:localElement					
properties	content complex					
children	xs:annotation xs:simpleType xs:complexType xs:unique xs:key xs:keyref					
used by	group schemaTop					
attributes	Name id name ref type minOccurs maxOccurs default fixed nillable block form	Type xs:ID xs:NCName xs:QName xs:QName xs:nonNegativeInteger xs:allNNI xs:string xs:string xs:boolean xs:blockSet xs:formChoice	Use optional optional optional 	Default 1 1 false 	Fixed 	Annotation
source	<xs:element name="element" type="xs:localElement"/>					

element **particle/group**


diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	xs:groupRef					
properties	content complex					
children	xs:annotation					
used by	group redefinable					
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	minOccurs	xs:nonNegativeInteger	optional	1		
	maxOccurs	xs:allNNI	optional	1		
	ref	xs:QName	required			
source	<pre><xs:element name="group" type="xs:groupRef"/></pre>					

group **redefinable**


diagram	
namespace	http://www.w3.org/2001/XMLSchema
children	xs:simpleType xs:complexType xs:group xs:attributeGroup
used by	element redefine group schemaTop
annotation	documentation This group is for the elements which can self-redefine (see <redefine> below).
source	<pre><xs:group name="redefinable"> <xs:annotation> <xs:documentation> This group is for the elements which can self-redefine (see <redefine> below).</xs:documentation> </xs:annotation> <xs:choice> <xs:element ref="xs:simpleType"/> <xs:element ref="xs:complexType"/> <xs:element ref="xs:group"/> <xs:element ref="xs:attributeGroup"/> </xs:choice> </xs:group></pre>

	<code></xs:choice></code> <code></xs:group></code>
--	---

group **schemaTop**

diagram	 <p>The diagram shows a box labeled 'xs:redefinable' with a line pointing to it from the text 'This group is for the elements which occur freely at the top level of schemas. All of their types are based on the "annotated" type by extension.'</p>
namespace	http://www.w3.org/2001/XMLSchema
children	xs:simpleType xs:complexType xs:group xs:attributeGroup xs:element xs:attribute xs:notation
used by	element schema
annotation	documentation <p>This group is for the elements which occur freely at the top level of schemas. All of their types are based on the "annotated" type by extension.</p>
source	<pre> <xs:group name="schemaTop"> <xs:annotation> <xs:documentation> This group is for the elements which occur freely at the top level of schemas. All of their types are based on the "annotated" type by extension.</xs:documentation> </xs:annotation> <xs:choice> <xs:group ref="xs:redefinable"/> <xs:element ref="xs:element"/> <xs:element ref="xs:attribute"/> <xs:element ref="xs:notation"/> </xs:choice> </xs:group> </pre>

group **simpleDerivation**

diagram	 <p>The diagram shows a box labeled 'simpleDerivation' with a line pointing to it from the text 'This group is for the elements which occur freely at the top level of schemas. All of their types are based on the "annotated" type by extension.'</p>
namespace	http://www.w3.org/2001/XMLSchema
children	xs:restriction xs:list xs:union
used by	complexType localSimpleType simpleType topLevelSimpleType
source	<pre> <xs:group name="simpleDerivation"> <xs:choice> <xs:element ref="xs:restriction"/> </pre>

	<pre> <xs:element ref="xs:list"/> <xs:element ref="xs:union"/> </xs:choice> </xs:group> </pre>
--	--

group **simpleRestrictionModel**

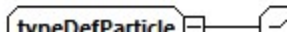
diagram	
namespace	http://www.w3.org/2001/XMLSchema
children	xs:simpleType xs:minExclusive xs:minInclusive xs:maxExclusive xs:maxInclusive xs:totalDigits xs:fractionDigits xs:length xs:minLength xs:maxLength xs:enumeration xs:whiteSpace xs:pattern
used by	element restriction complexTypes restrictionType simpleRestrictionType
source	<pre> <xs:group name="simpleRestrictionModel"> <xs:sequence> <xs:element name="simpleType" type="xs:localSimpleType" minOccurs="0"/> <xs:group ref="xs:facets" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:group> </pre>

element **simpleRestrictionModel/simpleType**

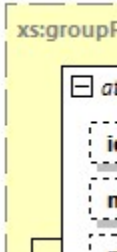
diagram	
namespace	http://www.w3.org/2001/XMLSchema
type	xs:localSimpleType
properties	minOcc 0 maxOcc 1 content complex

children	xs:annotation xs:restriction xs:list xs:union					
used by	group redefinable					
attributes	Name id	Type xs:ID	Use	Default	Fixed	Annotation
source	<pre><xs:element name="simpleType" type="xs:localSimpleType" minOccurs="0"/></pre>					

group **typeDefParticle**

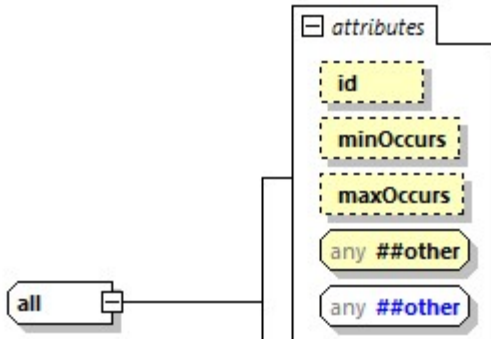
diagram	
namespace	http://www.w3.org/2001/XMLSchema
children	xs:group xs:all xs:choice xs:sequence
used by	complexType complexRestrictionType extensionType restrictionType group complexTypeModel
annotation	documentation 'complexType' uses this
source	<pre><xs:group name="typeDefParticle"> <xs:annotation> <xs:documentation> 'complexType' uses this</xs:documentation> </xs:annotation> <xs:choice> <xs:element name="group" type="xs:groupRef"/> <xs:element ref="xs:all"/> <xs:element ref="xs:choice"/> <xs:element ref="xs:sequence"/> </xs:choice> </xs:group></pre>

element **typeDefParticle/group**

diagram	
namespace	http://www.w3.org/2001/XMLSchema
type	xs:groupRef
properties	content complex
children	xs:annotation

used by	group redefinable					
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	minOccurs	xs:nonNegativeInteger	optional	1		
	maxOccurs	xs:allNNI	optional	1		
	ref	xs:QName	required			
source	<xs:element name="group" type="xs:groupRef"/>					

complexType all

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	restriction of xs:explicitGroup					
properties	base xs:explicitGroup					
children	xs:annotation xs:element					
used by	elements all namedGroup/all					
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	minOccurs	derived by: xs:nonNegativeInteger	optional	1		
	maxOccurs	derived by: xs:allNNI	optional	1		
annotation	documentation Only elements allowed inside					
source	<pre> <xs:complexType name="all"> <xs:annotation> <xs:documentation> Only elements allowed inside</xs:documentation> </xs:annotation> <xs:complexContent> <xs:restriction base="xs:explicitGroup"> <xs:group ref="xs:allModel"/> <xs:attribute name="minOccurs" use="optional" default="1"> <xs:simpleType> <xs:restriction base="xs:nonNegativeInteger"> <xs:enumeration value="0"/> <xs:enumeration value="1"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:restriction> </xs:complexContent> </xs:complexType> </pre>					

	<pre> </xs:simpleType> </xs:attribute> <xs:attribute name="maxOccurs" use="optional" default="1"> <xs:simpleType> <xs:restriction base="xs:allNNI"> <xs:enumeration value="1"/> </xs:restriction> </xs:simpleType> </xs:attribute> <xs:anyAttribute namespace="##other" processContents="lax"/> </xs:restriction> </xs:complexContent> </xs:complexType> </pre>
--	---

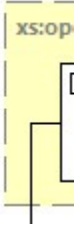
attribute **all/@minOccurs**

type	restriction of xs:nonNegativeInteger		
properties	use default	optional 1	
facets	Kind enumeration enumeration	Value 0 1	Annotation
source	<pre><xs:attribute name="minOccurs" use="optional" default="1"> <xs:simpleType> <xs:restriction base="xs:nonNegativeInteger"> <xs:enumeration value="0"/> <xs:enumeration value="1"/> </xs:restriction> </xs:simpleType> </xs:attribute></pre>		

attribute **all/@maxOccurs**

type	restriction of <u>xs:allNNI</u>		
properties	use default	optional 1	
facets	Kind enumeration	Value 1	Annotation
source	<pre><xs:attribute name="maxOccurs" use="optional" default="1"> <xs:simpleType> <xs:restriction base="xs:allNNI"> <xs:enumeration value="1"/> </xs:restriction> </xs:simpleType> </xs:attribute></pre>		

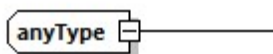
complexType annotated

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	extension of xs:openAttrs					
properties	base xs:openAttrs					
children	xs:annotation					
used by	elements	complexContent field import include list notation restriction selector simpleContent union				
	complexType	attribute attributeGroup complexType element extensionType facet group keybase restrictionType simpleType wildcard				
attributes	Name id	Type xs:ID	Use	Default	Fixed	Annotation
annotation	documentation This type is extended by all types which allow annotation other than <code><?xml></code> itself					
source	<pre> <xs:complexType name="annotated"> <xs:annotation> <xs:documentation> This type is extended by all types which allow annotation other than <code><?xml></code> itself </xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="xs:openAttrs"> <xs:sequence> <xs:element ref="xs:annotation" minOccurs="0"/> </xs:sequence> <xs:attribute name="id" type="xs:ID"/> </xs:extension> </xs:complexContent> </xs:complexType> </pre>					

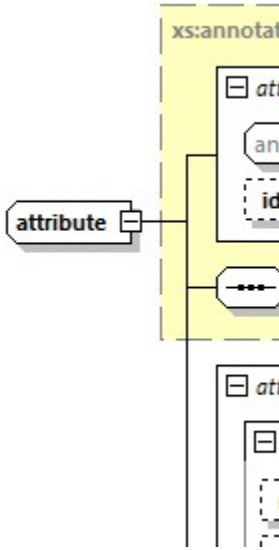
attribute annotated/@id

type	xs:ID
source	<pre><xs:attribute name="id" type="xs:ID"/></pre>

complexType **anyType**

diagram													
namespace	http://www.w3.org/2001/XMLSchema												
properties	mixed true												
attributes	<table><tr><th>Name</th><th>Type</th><th>Use</th><th>Default</th><th>Fixed</th><th>Annotation</th></tr><tr><td colspan="6"></td></tr></table>	Name	Type	Use	Default	Fixed	Annotation						
Name	Type	Use	Default	Fixed	Annotation								
annotation	<p>documentation</p> <p>Not the real urType, but as close an approximation as we can get in the XML representation</p>												
source	<pre><xs:complexType name="anyType" mixed="true"> <xs:annotation> <xs:documentation> Not the real urType, but as close an approximation as we can get in the XML representation</xs:documentation> </xs:annotation> <xs:sequence> <xs:any processContents="lax" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> <xs:anyAttribute processContents="lax"/> </xs:complexType></pre>												

complexType **attribute**

diagram	
namespace	http://www.w3.org/2001/XMLSchema
type	extension of xs:annotated
properties	base xs:annotated
children	xs:annotation xs:simpleType

used by	element complexType attrDecls/attribute topLevelAttribute					
attributes	Name id name ref type use default fixed form	Type xs:ID xs:NCName xs:QName xs:QName derived by: xs:NMTOKEN xs:string xs:string xs:formChoice	Use optional 	Default optional 	Fixed 	Annotation
source	<pre> <xs:complexType name="attribute"> <xs:complexContent> <xs:extension base="xs:annotated"> <xs:sequence> <xs:element name="simpleType" type="xs:localSimpleType" minOccurs="0"/> </xs:sequence> <xs:attributeGroup ref="xs:defRef"/> <xs:attribute name="type" type="xs:QName"/> <xs:attribute name="use" use="optional" default="optional"> <xs:simpleType> <xs:restriction base="xs:NMTOKEN"> <xs:enumeration value="prohibited"/> <xs:enumeration value="optional"/> <xs:enumeration value="required"/> </xs:restriction> </xs:simpleType> </xs:attribute> <xs:attribute name="default" type="xs:string"/> <xs:attribute name="fixed" type="xs:string"/> <xs:attribute name="form" type="xs:formChoice"/> </xs:extension> </xs:complexContent> </xs:complexType> </pre>					

attribute **attribute/@type**

type	xs:QName
source	<code><xs:attribute name="type" type="xs:QName"/></code>

attribute **attribute/@use**

type	restriction of xs:NMTOKEN		
properties	use default	optional optional	
facets	Kind enumeration enumeration enumeration	Value prohibited optional required	Annotation

source	<pre> <xs:attribute name="use" use="optional" default="optional"> <xs:simpleType> <xs:restriction base="xs:NMTOKEN"> <xs:enumeration value="prohibited"/> <xs:enumeration value="optional"/> <xs:enumeration value="required"/> </xs:restriction> </xs:simpleType> </xs:attribute> </pre>
--------	---

attribute **attribute/@default**

type	xs:string
source	<code><xs:attribute name="default" type="xs:string"/></code>

attribute **attribute/@fixed**

type	xs:string
source	<code><xs:attribute name="fixed" type="xs:string"/></code>

attribute **attribute/@form**

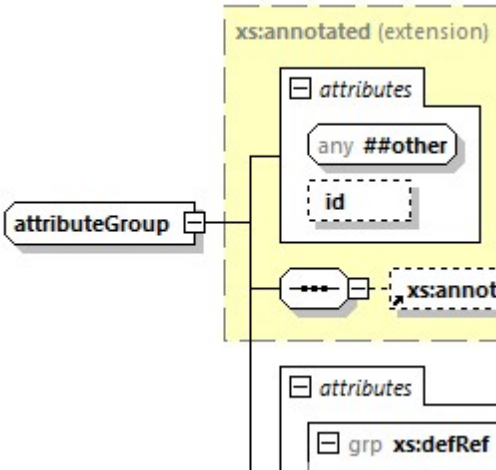
type	xs:formChoice		
facets	Kind	Value	Annotation
	enumeration	qualified	
	enumeration	unqualified	
source	<xs:attribute name="form" type="xs:formChoice"/>		

element **attribute/simpleType**


diagram	
namespace	http://www.w3.org/2001/XMLSchema
type	xs:localSimpleType
properties	minOcc 0 maxOcc 1 content complex
children	xs:annotation xs:restriction xs:list xs:union

used by	group redefinable					
attributes	Name id	Type xs:ID	Use	Default	Fixed	Annotation
source	<xs:element name="simpleType" type="xs:localSimpleType" minOccurs="0"/>					

complexType **attributeGroup**

diagram																									
namespace	http://www.w3.org/2001/XMLSchema																								
type	extension of xs:annotated																								
properties	base xs:annotated abstract true																								
children	xs:annotation xs:attribute xs:attributeGroup xs:anyAttribute																								
used by	complexTypes attributeGroupRef namedAttributeGroup																								
attributes	<table><thead><tr><th>Name</th><th>Type</th><th>Use</th><th>Default</th><th>Fixed</th><th>Annotation</th></tr></thead><tbody><tr><td>id</td><td>xs:ID</td><td></td><td></td><td></td><td></td></tr><tr><td>name</td><td>xs:NCName</td><td></td><td></td><td></td><td></td></tr><tr><td>ref</td><td>xs:QName</td><td></td><td></td><td></td><td></td></tr></tbody></table>	Name	Type	Use	Default	Fixed	Annotation	id	xs:ID					name	xs:NCName					ref	xs:QName				
Name	Type	Use	Default	Fixed	Annotation																				
id	xs:ID																								
name	xs:NCName																								
ref	xs:QName																								
source	<pre><xs:complexType name="attributeGroup" abstract="true"> <xs:complexContent> <xs:extension base="xs:annotated"> <xs:group ref="xs:attrDecls"/> <xs:attributeGroup ref="xs:defRef"/> </xs:extension> </xs:complexContent> </xs:complexType></pre>																								

complexType **attributeGroupRef**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	restriction of xs:attributeGroup					
properties	base xs:attributeGroup					
children	xs:annotation					
used by	element attrDecls/attributeGroup					
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	name		prohibited			
	ref	xs:QName	required			
source	<pre><xs:complexType name="attributeGroupRef"> <xs:complexContent> <xs:restriction base="xs:attributeGroup"> <xs:sequence> <xs:element ref="xs:annotation" minOccurs="0"/> </xs:sequence> <xs:attribute name="ref" type="xs:QName" use="required"/> <xs:attribute name="name" use="prohibited"/> <xs:anyAttribute namespace="##other" processContents="lax"/> </xs:restriction> </xs:complexContent> </xs:complexType></pre>					

attribute **attributeGroupRef/@name**

properties	use prohibited
source	<pre><xs:attribute name="name" use="prohibited"/></pre>

attribute **attributeGroupRef/@ref**

type	xs:QName
properties	use required
source	<pre><xs:attribute name="ref" type="xs:QName" use="required"/></pre>

complexType complexRestrictionType

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	restriction of xs:restrictionType					
properties	base xs:restrictionType					
children	xs:annotation xs:group xs:all xs:choice xs:sequence xs:attribute xs:attributeGroup xs:anyAttribute					
used by	element complexContent/restriction					
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	base	xs:QName	required			
source	<pre> <xs:complexType name="complexRestrictionType"> <xs:complexContent> <xs:restriction base="xs:restrictionType"> <xs:sequence> <xs:element ref="xs:annotation" minOccurs="0"/> <xs:choice minOccurs="0"> <xs:annotation> <xs:documentation>This choice is added simply to make this a valid restriction per the REC</xs:documentation> </xs:annotation> <xs:group ref="xs:typeDefParticle"/> </xs:choice> <xs:group ref="xs:attrDecls"/> </xs:sequence> <xs:anyAttribute namespace="##other" processContents="lax"/> </xs:restriction> </xs:complexContent> </xs:complexType> </pre>					

complexType **complexType**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	extension of xs:annotated					
properties	base	xs:annotated				
	abstract	true				
children	xs:annotation xs:simpleContent xs:complexContent xs:group xs:all xs:choice xs:sequence xs:attribute xs:attributeGroup xs:anyAttribute					
used by	complexTypes	localComplexType topLevelComplexType				
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	name	xs:NCName				documentation
						Will be restricted to required or forbidden
	mixed	xs:boolean	optional	false		documentation
						Not allowed if simpleContent child is chosen. May be overridden by setting on complexContent child.
	abstract	xs:boolean	optional	false		
	final	xs:derivationSet				
	block	xs:derivationSet				
source	<pre><xs:complexType name="complexType" abstract="true"> <xs:complexContent> <xs:extension base="xs:annotated"> <xs:group ref="xs:complexTypeModel"/> <xs:attribute name="name" type="xs:NCName"></pre>					

	<pre> <xs:annotation> <xs:documentation> Will be restricted to required or forbidden</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="mixed" type="xs:boolean" use="optional" default="false"> <xs:annotation> <xs:documentation> Not allowed if simpleContent child is chosen. May be overridden by setting on complexContent child.</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="abstract" type="xs:boolean" use="optional" default="false"/> <xs:attribute name="final" type="xs:derivationSet"/> <xs:attribute name="block" type="xs:derivationSet"/> </xs:extension> </xs:complexContent> </xs:complexType> </pre>
--	---

attribute **complexType/@name**

type	xs:NCName
annotation	documentation Will be restricted to required or forbidden
source	<pre> <xs:attribute name="name" type="xs:NCName"> <xs:annotation> <xs:documentation> Will be restricted to required or forbidden</xs:documentation> </xs:annotation> </xs:attribute> </pre>

attribute **complexType/@mixed**

type	xs:boolean
properties	use optional default false
annotation	documentation Not allowed if simpleContent child is chosen. May be overridden by setting on complexContent child.
source	<pre> <xs:attribute name="mixed" type="xs:boolean" use="optional" default="false"> <xs:annotation> <xs:documentation> Not allowed if simpleContent child is chosen. May be overridden by setting on complexContent child.</xs:documentation> </xs:annotation> </xs:attribute> </pre>

attribute **complexType/@abstract**

type	xs:boolean
properties	use optional default false
source	<code><xs:attribute name="abstract" type="xs:boolean" use="optional" default="false"/></code>

attribute **complexType/@final**

type	xs:derivationSet
source	<code><xs:attribute name="final" type="xs:derivationSet"/></code>

attribute **complexType/@block**

type	xs:derivationSet
source	<code><xs:attribute name="block" type="xs:derivationSet"/></code>

complexType **element**

diagram	<p>The element element can be used either at the top level to define an element-type binding globally, or within a content model to either reference a globally-defined element or type or declare an element-type binding locally. The ref form is not allowed at the top level.</p>
namespace	http://www.w3.org/2001/XMLSchema
type	extension of xs:annotated

properties	base xs:annotated abstract true					
children	xs:annotation xs:simpleType xs:complexType xs:unique xs:key xs:keyref					
used by	complexTypes localElement topLevelElement					
attributes	Name id name ref type substitutionGroup minOccurs maxOccurs default fixed nillable abstract final block form	Type xs:ID xs:NCName xs:QName xs:QName xs:QName xs:nonNegativeInteger xs:allNNI xs:string xs:string xs:boolean xs:boolean xs:derivationSet xs:blockSet xs:formChoice	Use optional optional optional optional	Default 1 1 false false	Fixed 	Annotation
annotation	documentation The element element can be used either at the top level to define an element-type binding globally, or within a content model to either reference a globally-defined element or type or declare an element-type binding locally. The ref form is not allowed at the top level.					
source	<pre> <xs:complexType name="element" abstract="true"> <xs:annotation> <xs:documentation> The element element can be used either at the top level to define an element-type binding globally, or within a content model to either reference a globally-defined element or type or declare an element-type binding locally. The ref form is not allowed at the top level.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="xs:annotated"> <xs:sequence> <xs:choice minOccurs="0"> <xs:element name="simpleType" type="xs:localSimpleType"/> <xs:element name="complexType" type="xs:localComplexType"/> </xs:choice> <xs:group ref="xs:identityConstraint" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> <xs:attributeGroup ref="xs:defRef"/> <xs:attribute name="type" type="xs:QName"/> <xs:attribute name="substitutionGroup" type="xs:QName"/> <xs:attributeGroup ref="xs:occurs"/> <xs:attribute name="default" type="xs:string"/> <xs:attribute name="fixed" type="xs:string"/> </xs:complexContent> </xs:complexType> </pre>					

	<pre> <xs:attribute name="nillable" type="xs:boolean" use="optional" default="false"/> <xs:attribute name="abstract" type="xs:boolean" use="optional" default="false"/> <xs:attribute name="final" type="xs:derivationSet"/> <xs:attribute name="block" type="xs:blockSet"/> <xs:attribute name="form" type="xs:formChoice"/> </xs:extension> </xs:complexContent> </xs:complexType> </pre>
--	---

attribute **element/@type**

type	xs:QName
source	<code><xs:attribute name="type" type="xs:QName"/></code>

attribute **element/@substitutionGroup**

type	xs:QName
source	<code><xs:attribute name="substitutionGroup" type="xs:QName"/></code>

attribute **element/@default**

type	xs:string
source	<code><xs:attribute name="default" type="xs:string"/></code>

attribute **element/@fixed**

type	xs:string
source	<code><xs:attribute name="fixed" type="xs:string"/></code>

attribute **element/@nillable**

type	xs:boolean
properties	<div>use optional</div> <div>default false</div>
source	<code><xs:attribute name="nillable" type="xs:boolean" use="optional" default="false"/></code>

attribute **element/@abstract**

type	xs:boolean
properties	<div>use optional</div> <div>default false</div>
source	<code><xs:attribute name="abstract" type="xs:boolean" use="optional" default="false"/></code>

attribute **element/@final**

type	xs:derivationSet
source	<code><xs:attribute name="final" type="xs:derivationSet"/></code>

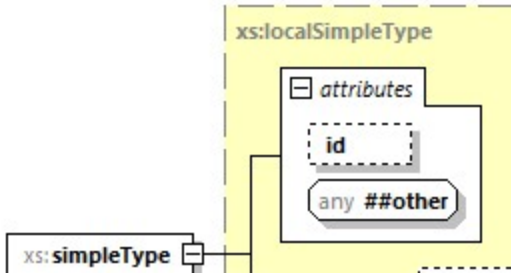
attribute **element/@block**

type	xs:blockSet
source	<code><xs:attribute name="block" type="xs:blockSet"/></code>

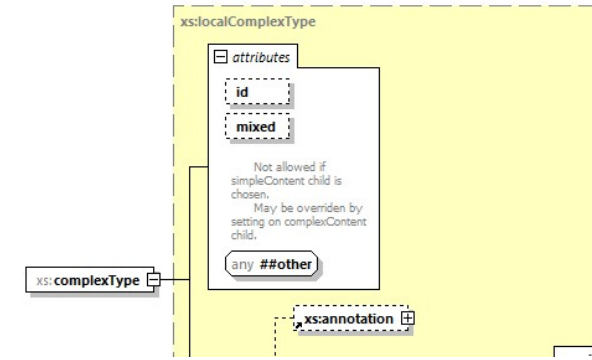
attribute **element/@form**

type	xs:formChoice		
facets	Kind	Value	Annotation
	enumeration	qualified	
	enumeration	unqualified	
source	<code><xs:attribute name="form" type="xs:formChoice"/></code>		

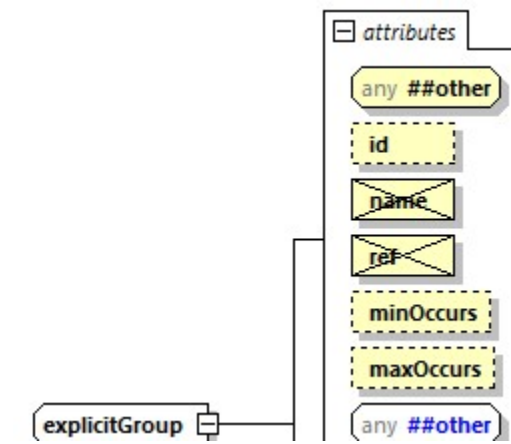
element **element/simpleType**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	xs:localSimpleType					
properties	content complex					
children	xs:annotation xs:restriction xs:list xs:union					
used by	group redefinable					
attributes	Name id	Type xs:ID	Use	Default	Fixed	Annotation
source	<code><xs:element name="simpleType" type="xs:localSimpleType"/></code>					

element **element/complexType**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	xs:localComplexType					
properties	content complex					
children	xs:annotation xs:simpleContent xs:complexContent xs:group xs:all xs:choice xs:sequence xs:attribute xs:attributeGroup xs:anyAttribute					
used by	group redefinable					
attributes	Name id mixed	Type xs:ID xs:boolean	Use optional	Default false	Fixed	Annotation documentation Not allowed if simpleContent child is chosen. May be overridden by setting on complexContent child.
source	<xs:element name="complexType" type="xs:localComplexType"/>					

complexType **explicitGroup**

diagram						
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namespace	http://www.w3.org/2001/XMLSchema					
type	restriction of xs:group					
properties	base xs:group					
children	xs:annotation xs:element xs:group xs:choice xs:sequence xs:any					
used by	elements	choice sequence				
	complexType	all simpleExplicitGroup				
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	name	xs:NCName	prohibited			
	ref	xs:QName	prohibited			
	minOccurs	xs:nonNegativeInteger	optional	1		
	maxOccurs	xs:allNNI	optional	1		
annotation	documentation					
	group type for the three kinds of group					
source	<pre> <xs:complexType name="explicitGroup"> <xs:annotation> <xs:documentation> group type for the three kinds of group</xs:documentation> </xs:annotation> <xs:complexContent> <xs:restriction base="xs:group"> <xs:sequence> <xs:element ref="xs:annotation" minOccurs="0"/> <xs:group ref="xs:nestedParticle" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> <xs:attribute name="name" type="xs:NCName" use="prohibited"/> <xs:attribute name="ref" type="xs:QName" use="prohibited"/> <xs:anyAttribute namespace="##other" processContents="lax"/> </xs:restriction> </xs:complexContent> </xs:complexType> </pre>					

attribute **explicitGroup/@name**

type	xs:NCName
properties	use prohibited
source	<pre><xs:attribute name="name" type="xs:NCName" use="prohibited"/></pre>

attribute **explicitGroup/@ref**

type	xs:QName
properties	use prohibited
source	<pre><xs:attribute name="ref" type="xs:QName" use="prohibited"/></pre>

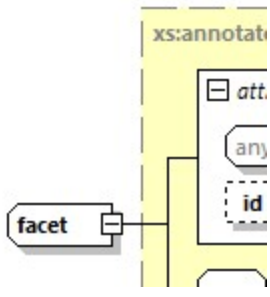
complexType extensionType

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	extension of xs:annotated					
properties	base xs:annotated					
children	xs:annotation xs:group xs:all xs:choice xs:sequence xs:attribute xs:attributeGroup xs:anyAttribute					
used by	<div> <div>element</div> <div>complexContent/extension</div> </div> <div> <div>complexType</div> <div>simpleExtensionType</div> </div>					
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	base	xs:QName	required			
source	<pre> <xs:complexType name="extensionType"> <xs:complexContent> <xs:extension base="xs:annotated"> <xs:sequence> <xs:group ref="xs:typeDefParticle" minOccurs="0"/> <xs:group ref="xs:attrDecls"/> </xs:sequence> <xs:attribute name="base" type="xs:QName" use="required"/> </xs:extension> </xs:complexContent> </xs:complexType> </pre>					

attribute extensionType/@base

type	xs:QName
properties	use required
source	<pre><xs:attribute name="base" type="xs:QName" use="required"/></pre>

complexType **facet**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	extension of xs:annotated					
properties	base xs:annotated					
children	xs:annotation					
used by	elements	maxExclusive maxInclusive minExclusive minInclusive whiteSpace				
	complexType	noFixedFacet numFacet				
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	value		required			
	fixed	xs:boolean	optional	false		
source	<pre> <xs:complexType name="facet"> <xs:complexContent> <xs:extension base="xs:annotated"> <xs:attribute name="value" use="required"/> <xs:attribute name="fixed" type="xs:boolean" use="optional" default="false"/> </xs:extension> </xs:complexContent> </xs:complexType> </pre>					

attribute **facet/@value**

properties	use required
source	<code><xs:attribute name="value" use="required"/></code>

attribute **facet/@fixed**


type	xs:boolean
properties	use optional default false
source	<code><xs:attribute name="fixed" type="xs:boolean" use="optional" default="false"/></code>

complexType group

diagram	<p>group type for explicit groups, named top-level groups and group references</p>					
namespace	http://www.w3.org/2001/XMLSchema					
type	extension of xs:annotated					
properties	base xs:annotated abstract true					
children	xs:annotation xs:element xs:group xs:all xs:choice xs:sequence xs:any					
used by	complexTypes explicitGroup realGroup					
attributes	Name id name ref minOccurs maxOccurs	Type xs:ID xs:NCName xs:QName xs:nonNegativeInteger xs:allNNI	Use optional optional	Default 1 1	Fixed 	Annotation
annotation	documentation group type for explicit groups, named top-level groups and group references					
source	<pre> <xs:complexType name="group" abstract="true"> <xs:annotation> <xs:documentation> group type for explicit groups, named top-level groups and group references</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="xs:annotated"> <xs:group ref="xs:particle" minOccurs="0" maxOccurs="unbounded"/> <xs:attributeGroup ref="xs:defRef"/> <xs:attributeGroup ref="xs:occurs"/> </xs:extension> </xs:complexContent> </xs:complexType> </pre>					

	<pre></xs:complexContent> </xs:complexType></pre>
--	---

complexType **groupRef**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	restriction of xs:realGroup					
properties	base xs:realGroup					
children	xs:annotation					
used by	elements	typeDefParticle/group nestedParticle/group particle/group				
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	name		prohibited			
	ref	xs:QName	required			
	minOccurs	xs:nonNegativeInteger	optional	1		
	maxOccurs	xs:allNNI	optional	1		
source	<pre><xs:complexType name="groupRef"> <xs:complexContent> <xs:restriction base="xs:realGroup"> <xs:sequence> <xs:element ref="xs:annotation" minOccurs="0"/> </xs:sequence> <xs:attribute name="ref" type="xs:QName" use="required"/> <xs:attribute name="name" use="prohibited"/> <xs:anyAttribute namespace="##other" processContents="lax"/> </xs:restriction> </xs:complexContent> </xs:complexType></pre>					

attribute **groupRef/@name**

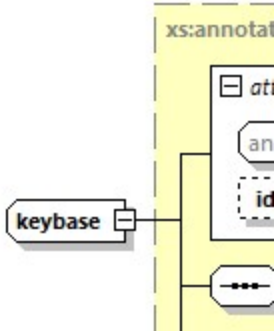
properties	use prohibited
source	<pre><xs:attribute name="name" use="prohibited"/></pre>

attribute **groupRef/@ref**

type	xs:QName
------	-----------------

properties	use required
source	<pre><xs:attribute name="ref" type="xs:QName" use="required"/></pre>

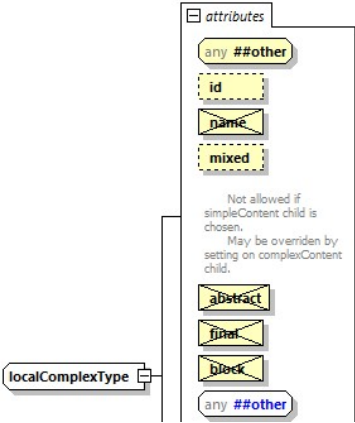
complexType **keybase**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	extension of xs:annotated					
properties	base xs:annotated					
children	xs:annotation xs:selector xs:field					
used by	elements key keyref unique					
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	name	xs:NCName	required			
source	<pre> <xs:complexType name="keybase"> <xs:complexContent> <xs:extension base="xs:annotated"> <xs:sequence> <xs:element ref="xs:selector"/> <xs:element ref="xs:field" minOccurs="1" maxOccurs="unbounded"/> </xs:sequence> <xs:attribute name="name" type="xs:NCName" use="required"/> </xs:extension> </xs:complexContent> </xs:complexType> </pre>					

attribute **keybase/@name**

type	xs:NCName
properties	use required
source	<pre><xs:attribute name="name" type="xs:NCName" use="required"/></pre>

complexType **localComplexType**

diagram	 <p>The diagram shows a box labeled 'localComplexType' with a small square icon. To its right is a vertical list of attributes: 'any ##other', 'id', 'name', 'mixed', 'abstract', 'final', 'block', and 'any ##other'. A note indicates that 'id', 'name', 'mixed', 'abstract', 'final', and 'block' are not allowed if a simpleContent child is chosen, and may be overridden by setting on complexContent child.</p>					
namespace	http://www.w3.org/2001/XMLSchema					
type	restriction of xs:complexType					
properties	base xs:complexType					
children	xs:annotation xs:simpleContent xs:complexContent xs:group xs:all xs:choice xs:sequence xs:attribute xs:attributeGroup xs:anyAttribute					
used by	elements element/complexType topLevelElement/complexType localElement/complexType narrowMaxMin/complexType					
attributes	Name id name mixed abstract final block	Type xs:ID xs:boolean	Use prohibited optional	Default false	Fixed 	Annotation documentation Not allowed if simpleContent child is chosen. May be overridden by setting on complexContent child.
source	<pre> <xs:complexType name="localComplexType"> <xs:complexContent> <xs:restriction base="xs:complexType"> <xs:sequence> <xs:element ref="xs:annotation" minOccurs="0"/> <xs:group ref="xs:complexTypeModel"/> </xs:sequence> <xs:attribute name="name" use="prohibited"/> <xs:attribute name="abstract" use="prohibited"/> <xs:attribute name="final" use="prohibited"/> <xs:attribute name="block" use="prohibited"/> <xs:anyAttribute namespace="##other" processContents="lax"/> </xs:restriction> </xs:complexContent> </xs:complexType> </pre>					

	<code></xs:complexContent></code> <code></xs:complexType></code>
--	---

attribute **localComplexType/@name**

properties	use prohibited
source	<code><xs:attribute name="name" use="prohibited"/></code>

attribute **localComplexType/@abstract**

properties	use prohibited
source	<code><xs:attribute name="abstract" use="prohibited"/></code>

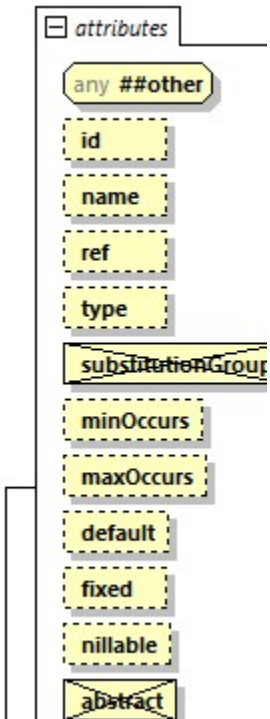
attribute **localComplexType/@final**

properties	use prohibited
source	<code><xs:attribute name="final" use="prohibited"/></code>

attribute **localComplexType/@block**

properties	use prohibited
source	<code><xs:attribute name="block" use="prohibited"/></code>

complexType **localElement**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	restriction of xs:element					
properties	base xs:element					
children	xs:annotation xs:simpleType xs:complexType xs:unique xs:key xs:keyref					
used by	elements nestedParticle/element particle/element complexType narrowMaxMin					
attributes	Name id name ref type substitutionGroup minOccurs maxOccurs default fixed nillable abstract final block form	Type xs:ID xs:NCName xs:QName xs:QName xs:nonNegativeInteger xs:allNNI xs:string xs:string xs:boolean xs:blockSet xs:formChoice	Use prohibited optional optional optional prohibited prohibited	Default 1 1 false	Fixed 	Annotation
source	<pre><xs:complexType name="localElement"> <xs:complexContent> <xs:restriction base="xs:element"></pre>					

	<pre> <xs:sequence> <xs:element ref="xs:annotation" minOccurs="0"/> <xs:choice minOccurs="0"> <xs:element name="simpleType" type="xs:localSimpleType"/> <xs:element name="complexType" type="xs:localComplexType"/> </xs:choice> <xs:group ref="xs:identityConstraint" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> <xs:attribute name="substitutionGroup" use="prohibited"/> <xs:attribute name="final" use="prohibited"/> <xs:attribute name="abstract" use="prohibited"/> <xs:anyAttribute namespace="##other" processContents="lax"/> </xs:restriction> </xs:complexContent> </xs:complexType> </pre>
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attribute **localElement/@substitutionGroup**

properties	use prohibited
source	<code><xs:attribute name="substitutionGroup" use="prohibited"/></code>

attribute **localElement/@abstract**

properties	use prohibited
source	<code><xs:attribute name="abstract" use="prohibited"/></code>

attribute **localElement/@final**

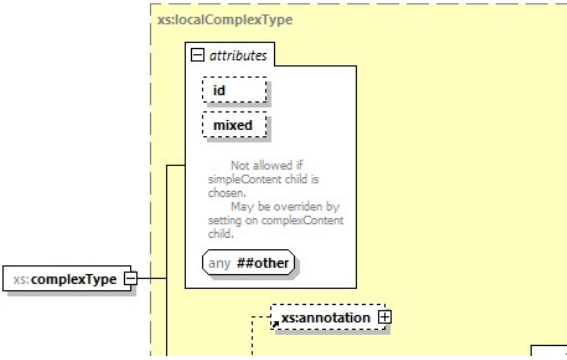
properties	use prohibited
source	<code><xs:attribute name="final" use="prohibited"/></code>

element **localElement/simpleType**

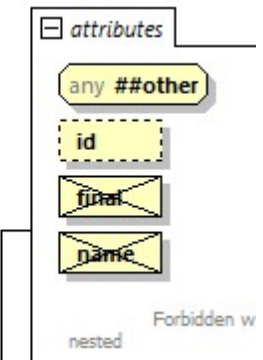
diagram	
namespace	http://www.w3.org/2001/XMLSchema
type	xs:localSimpleType
properties	content complex

children	xs:annotation xs:restriction xs:list xs:union					
used by	group redefinable					
attributes	Name id	Type xs:ID	Use	Default	Fixed	Annotation
source	< xs:element name ="simpleType" type ="xs:localSimpleType"/>					

element **localElement/complexType**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	xs:localComplexType					
properties	content complex					
children	xs:annotation xs:simpleContent xs:complexContent xs:group xs:all xs:choice xs:sequence xs:attribute xs:attributeGroup xs:anyAttribute					
used by	group redefinable					
attributes	Name id mixed	Type xs:ID xs:boolean	Use optional	Default false	Fixed	Annotation documentation Not allowed if simpleContent child is chosen. May be overridden by setting on complexContent child.
source	< xs:element name ="complexType" type ="xs:localComplexType"/>					

complexType localSimpleType

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	restriction of xs:simpleType					
properties	base xs:simpleType					
children	xs:annotation xs:restriction xs:list xs:union					
used by	elements list/simpleType union/simpleType attribute/simpleType topLevelAttribute/simpleType element/simpleType topLevelElement/simpleType localElement/simpleType narrowMaxMin/simpleType simpleRestrictionModel/simpleType					
attributes	Name id final name	Type xs:ID	Use prohibited prohibited	Default 	Fixed 	Annotation documentation Forbidden when nested
source	<pre> <xs:complexType name="localSimpleType"> <xs:complexContent> <xs:restriction base="xs:simpleType"> <xs:sequence> <xs:element ref="xs:annotation" minOccurs="0"/> <xs:group ref="xs:simpleDerivation"/> </xs:sequence> <xs:attribute name="name" use="prohibited"> <xs:annotation> <xs:documentation> Forbidden when nested </xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="final" use="prohibited"/> <xs:anyAttribute namespace="##other" processContents="lax"/> </xs:restriction> </xs:complexContent> </xs:complexType> </pre>					

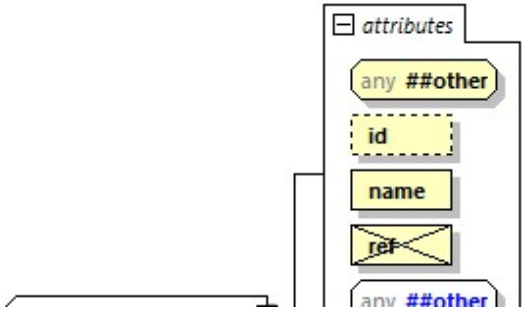
attribute **localSimpleType/@final**

properties	use prohibited
source	<pre><xs:attribute name="final" use="prohibited"/></pre>

attribute **localSimpleType/@name**

properties	use prohibited
annotation	documentation Forbidden when nested
source	<pre><xs:attribute name="name" use="prohibited"> <xs:annotation> <xs:documentation> Forbidden when nested </xs:documentation> </xs:annotation> </xs:attribute></pre>

complexType **namedAttributeGroup**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	restriction of xs:attributeGroup					
properties	base xs:attributeGroup					
children	xs:annotation xs:attribute xs:attributeGroup xs:anyAttribute					
used by	element attributeGroup					
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	name	xs:NCName	required			
	ref		prohibited			
source	<pre><xs:complexType name="namedAttributeGroup"> <xs:complexContent> <xs:restriction base="xs:attributeGroup"> <xs:sequence> <xs:element ref="xs:annotation" minOccurs="0"/> <xs:group ref="xs:attrDecls"/> </xs:sequence> </xs:restriction> </xs:complexContent> </xs:complexType></pre>					

	<pre> </xs:sequence> <xs:attribute name="name" type="xs:NCName" use="required"/> <xs:attribute name="ref" use="prohibited"/> <xs:anyAttribute namespace="##other" processContents="lax"/> </xs:restriction> </xs:complexContent> </xs:complexType> </pre>
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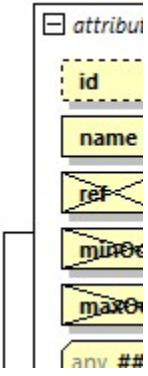
attribute **namedAttributeGroup/@name**

type	xs:NCName
properties	use required
source	<code><xs:attribute name="name" type="xs:NCName" use="required"/></code>

attribute **namedAttributeGroup/@ref**

properties	use prohibited
source	<code><xs:attribute name="ref" use="prohibited"/></code>

complexType **namedGroup**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	restriction of xs:realGroup					
properties	base xs:realGroup					
children	xs:annotation xs:all xs:choice xs:sequence					
used by	element group					
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	name	xs:NCName	required			
	ref		prohibited			
	minOccurs		prohibited			
	maxOccurs		prohibited			

source	<pre> <xs:complexType name="namedGroup"> <xs:complexContent> <xs:restriction base="xs:realGroup"> <xs:sequence> <xs:element ref="xs:annotation" minOccurs="0"/> <xs:choice minOccurs="1" maxOccurs="1"> <xs:element name="all"> <xs:complexType> <xs:complexContent> <xs:restriction base="xs:all"> <xs:group ref="xs:allModel"/> <xs:attribute name="minOccurs" use="prohibited"/> <xs:attribute name="maxOccurs" use="prohibited"/> <xs:anyAttribute namespace="##other" processContents="lax"/> </xs:restriction> </xs:complexContent> </xs:complexType> </xs:element> <xs:element name="choice" type="xs:simpleExplicitGroup"/> <xs:element name="sequence" type="xs:simpleExplicitGroup"/> </xs:choice> </xs:sequence> <xs:attribute name="name" type="xs:NCName" use="required"/> <xs:attribute name="ref" use="prohibited"/> <xs:attribute name="minOccurs" use="prohibited"/> <xs:attribute name="maxOccurs" use="prohibited"/> <xs:anyAttribute namespace="##other" processContents="lax"/> </xs:restriction> </xs:complexContent> </xs:complexType> </pre>
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attribute **namedGroup/@name**

type	xs:NCName
properties	use required
source	<pre><xs:attribute name="name" type="xs:NCName" use="required"/></pre>

attribute **namedGroup/@ref**

properties	use prohibited
source	<pre><xs:attribute name="ref" use="prohibited"/></pre>

attribute **namedGroup/@minOccurs**

properties	use prohibited
source	<pre><xs:attribute name="minOccurs" use="prohibited"/></pre>

attribute **namedGroup/@maxOccurs**

properties	use prohibited
source	<code><xs:attribute name="maxOccurs" use="prohibited"/></code>

element **namedGroup/all**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	restriction of xs:all					
properties	content complex					
children	xs:annotation xs:element					
used by	complexType groups realGroup particle typeDefParticle					
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	minOccurs		prohibited			
	maxOccurs		prohibited			
source	<pre> <xs:element name="all"> <xs:complexType> <xs:complexContent> <xs:restriction base="xs:all"> <xs:group ref="xs:allModel"/> <xs:attribute name="minOccurs" use="prohibited"/> <xs:attribute name="maxOccurs" use="prohibited"/> <xs:anyAttribute namespace="##other" processContents="lax"/> </xs:restriction> </xs:complexContent> </xs:complexType> </xs:element> </pre>					

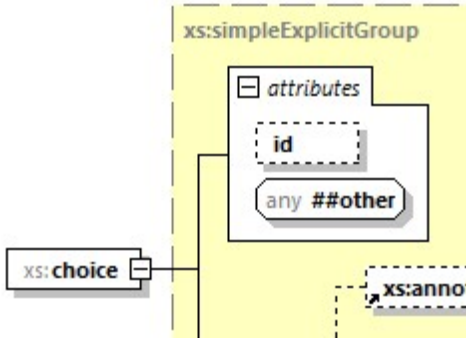
attribute **namedGroup/all/@minOccurs**

properties	use prohibited
source	<code><xs:attribute name="minOccurs" use="prohibited"/></code>

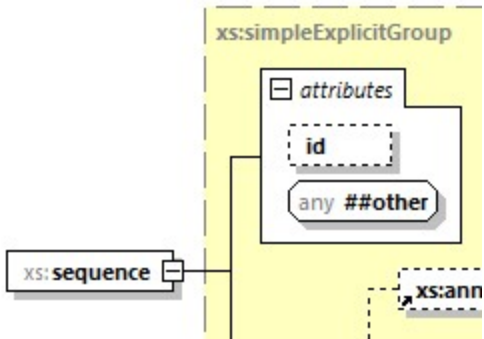
attribute **namedGroup/all/@maxOccurs**

properties	use prohibited
source	<code><xs:attribute name="maxOccurs" use="prohibited"/></code>

element **namedGroup/choice**

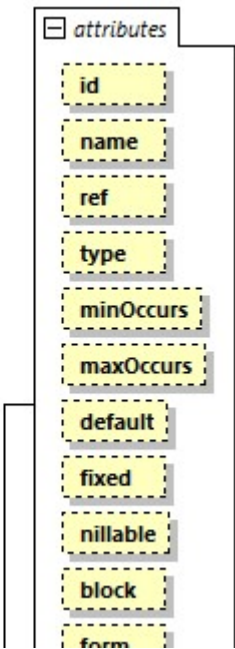
diagram	 <p>The diagram shows a yellow box labeled 'xs:simpleExplicitGroup'. Inside this box, there is a smaller box labeled 'attributes' which contains a dashed box labeled 'id' and a rounded rectangle labeled 'any ##other'. To the left of the 'xs:simpleExplicitGroup' box, there is a box labeled 'xs:choice' with a small square icon next to it. A line connects the 'xs:choice' box to the 'xs:simpleExplicitGroup' box. To the right of the 'xs:simpleExplicitGroup' box, there is a dashed box labeled 'xs:anno'.</p>					
namespace	http://www.w3.org/2001/XMLSchema					
type	xs:simpleExplicitGroup					
properties	content complex					
children	xs:annotation xs:element xs:group xs:choice xs:sequence xs:any					
used by	complexType	realGroup				
	groups	nestedParticle particle typeDefParticle				
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
source	<code><xs:element name="choice" type="xs:simpleExplicitGroup"/></code>					

element **namedGroup/sequence**

diagram	 <p>The diagram shows a yellow box labeled 'xs:simpleExplicitGroup'. Inside this box, there is a smaller box labeled 'attributes' which contains a dashed box labeled 'id' and a rounded rectangle labeled 'any ##other'. To the left of the 'xs:simpleExplicitGroup' box, there is a box labeled 'xs:sequence' with a small square icon next to it. A line connects the 'xs:sequence' box to the 'xs:simpleExplicitGroup' box. To the right of the 'xs:simpleExplicitGroup' box, there is a dashed box labeled 'xs:ann'.</p>					
namespace	http://www.w3.org/2001/XMLSchema					
type	xs:simpleExplicitGroup					
properties	content complex					
children	xs:annotation xs:element xs:group xs:choice xs:sequence xs:any					
used by	complexType	realGroup				
	groups	nestedParticle particle typeDefParticle				

attributes	Name id	Type xs:ID	Use	Default	Fixed	Annotation
source	<xs:element name="sequence" type="xs:simpleExplicitGroup"/>					

complexType narrowMaxMin

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	restriction of xs:localElement					
properties	base xs:localElement					
children	xs:annotation xs:simpleType xs:complexType xs:unique xs:key xs:keyref					
used by	element allModel/element					
attributes	Name id name ref type minOccurs maxOccurs default fixed nillable block form	Type xs:ID xs:NCName xs:QName xs:QName derived by: xs:nonNegativeInteger derived by: xs:allNNI xs:string xs:string xs:boolean xs:blockSet xs:formChoice	Use optional optional optional	Default 1 1 false	Fixed	Annotation
annotation	documentation restricted max/min					
source	<xs:complexType name="narrowMaxMin">					

	<pre> <xs:annotation> <xs:documentation>restricted max/min</xs:documentation> </xs:annotation> <xs:complexContent> <xs:restriction base="xs:localElement"> <xs:sequence> <xs:element ref="xs:annotation" minOccurs="0"/> <xs:choice minOccurs="0"> <xs:element name="simpleType" type="xs:localSimpleType"/> <xs:element name="complexType" type="xs:localComplexType"/> </xs:choice> <xs:group ref="xs:identityConstraint" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> <xs:attribute name="minOccurs" use="optional" default="1"> <xs:simpleType> <xs:restriction base="xs:nonNegativeInteger"> <xs:enumeration value="0"/> <xs:enumeration value="1"/> </xs:restriction> </xs:simpleType> </xs:attribute> <xs:attribute name="maxOccurs" use="optional" default="1"> <xs:simpleType> <xs:restriction base="xs:allNNI"> <xs:enumeration value="0"/> <xs:enumeration value="1"/> </xs:restriction> </xs:simpleType> </xs:attribute> <xs:anyAttribute namespace="##other" processContents="lax"/> </xs:restriction> </xs:complexContent> </xs:complexType> </pre>
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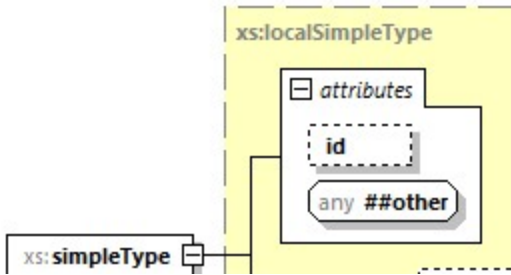
attribute **narrowMaxMin/@minOccurs**

type	restriction of xs:nonNegativeInteger
properties	<div>use optional</div> <div>default 1</div>
facets	<div>Kind Value Annotation</div> <div>enumeration 0</div> <div>enumeration 1</div>
source	<pre> <xs:attribute name="minOccurs" use="optional" default="1"> <xs:simpleType> <xs:restriction base="xs:nonNegativeInteger"> <xs:enumeration value="0"/> <xs:enumeration value="1"/> </xs:restriction> </xs:simpleType> </xs:attribute> </pre>

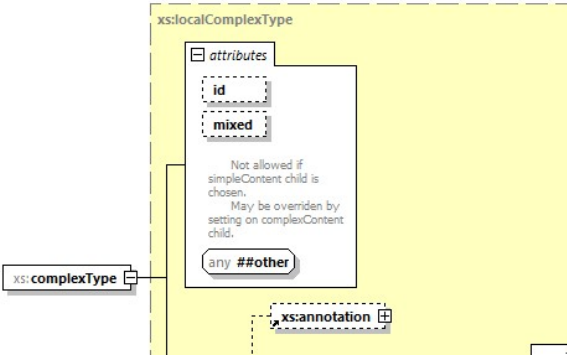
attribute **narrowMaxMin/@maxOccurs**

type	restriction of xs:allNNI
properties	<div>use optional</div> <div>default 1</div>
facets	<div>Kind Value Annotation</div> <div>enumeration 0</div> <div>enumeration 1</div>
source	<pre><xs:attribute name="maxOccurs" use="optional" default="1"> <xs:simpleType> <xs:restriction base="xs:allNNI"> <xs:enumeration value="0"/> <xs:enumeration value="1"/> </xs:restriction> </xs:simpleType> </xs:attribute></pre>


element **narrowMaxMin/simpleType**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	xs:localSimpleType					
properties	content complex					
children	xs:annotation xs:restriction xs:list xs:union					
used by	group redefinable					
attributes	<div>Name</div> <div>id</div>	<div>Type</div> <div>xs:ID</div>	<div>Use</div>	<div>Default</div>	<div>Fixed</div>	<div>Annotation</div>
source	<pre><xs:element name="simpleType" type="xs:localSimpleType"/></pre>					

element narrowMaxMin/complexType

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	xs:localComplexType					
properties	content complex					
children	xs:annotation xs:simpleContent xs:complexContent xs:group xs:all xs:choice xs:sequence xs:attribute xs:attributeGroup xs:anyAttribute					
used by	group redefinable					
attributes	Name id mixed	Type xs:ID xs:boolean	Use optional	Default false	Fixed 	Annotation documentation Not allowed if simpleContent child is chosen. May be overridden by setting on complexContent child.
source	<xs:element name="complexType" type="xs:localComplexType"/>					

complexType noFixedFacet


diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	restriction of xs:facet					
properties	base xs:facet					
children	xs:annotation					
used by	elements enumeration pattern					

attributes	Name id value fixed	Type xs:ID	Use required prohibited	Default	Fixed	Annotation
source	<pre><xs:complexType name="noFixedFacet"> <xs:complexContent> <xs:restriction base="xs:facet"> <xs:sequence> <xs:element ref="xs:annotation" minOccurs="0"/> </xs:sequence> <xs:attribute name="fixed" use="prohibited"/> <xs:anyAttribute namespace="##other" processContents="lax"/> </xs:restriction> </xs:complexContent> </xs:complexType></pre>					

attribute **noFixedFacet/@fixed**

properties	use prohibited
source	<pre><xs:attribute name="fixed" use="prohibited"/></pre>

complexType **numFacet**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	restriction of xs:facet					
properties	base xs:facet					
children	xs:annotation					
used by	elements fractionDigits length maxLength minLength totalDigits					
attributes	Name id value fixed	Type xs:ID	Use required optional	Default false	Fixed	Annotation
source	<pre><xs:complexType name="numFacet"> <xs:complexContent> <xs:restriction base="xs:facet"> <xs:sequence> <xs:element ref="xs:annotation" minOccurs="0"/> </xs:sequence> <xs:attribute name="value" type="xs:nonNegativeInteger" use="required"/> <xs:anyAttribute namespace="##other" processContents="lax"/> </xs:restriction> </xs:complexContent> </xs:complexType></pre>					

	<pre> </xs:restriction> </xs:complexContent> </xs:complexType> </pre>
--	---

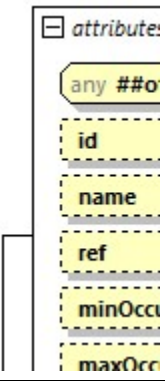
attribute **numFacet/@value**

type	xs:nonNegativeInteger
properties	use required
source	<pre><xs:attribute name="value" type="xs:nonNegativeInteger" use="required"/></pre>

complexType **openAttrs**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	restriction of xs:anyType					
properties	base xs:anyType					
used by	elements	annotation redefine schema				
	complexType	annotated				
attributes	Name	Type	Use	Default	Fixed	Annotation
annotation	documentation <p>This type is extended by almost all schema types to allow attributes from other namespaces to be added to user schemas.</p>					
source	<pre> <xs:complexType name="openAttrs"> <xs:annotation> <xs:documentation> This type is extended by almost all schema types to allow attributes from other namespaces to be added to user schemas. </xs:documentation> </xs:annotation> <xs:complexContent> <xs:restriction base="xs:anyType"> <xs:anyAttribute namespace="##other" processContents="lax"/> </xs:restriction> </xs:complexContent> </xs:complexType> </pre>					

complexType **realGroup**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	restriction of xs:group					
properties	base xs:group					
children	xs:annotation xs:all xs:choice xs:sequence					
used by	complexTypes groupRef namedGroup					
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	name	xs:NCName				
	ref	xs:QName				
	minOccurs	xs:nonNegativeInteger	optional	1		
	maxOccurs	xs:allNNI	optional	1		
source	<pre> <xs:complexType name="realGroup"> <xs:complexContent> <xs:restriction base="xs:group"> <xs:sequence> <xs:element ref="xs:annotation" minOccurs="0"/> <xs:choice minOccurs="0" maxOccurs="1"> <xs:element ref="xs:all"/> <xs:element ref="xs:choice"/> <xs:element ref="xs:sequence"/> </xs:choice> </xs:sequence> <xs:anyAttribute namespace="##other" processContents="lax"/> </xs:restriction> </xs:complexContent> </xs:complexType> </pre>					

complexType **restrictionType**

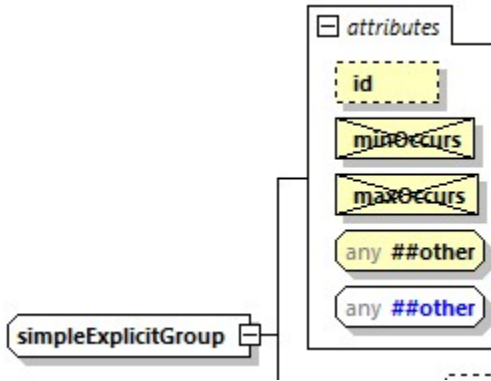
diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	extension of xs:annotated					
properties	base xs:annotated					
children	xs:annotation xs:group xs:all xs:choice xs:sequence xs:simpleType xs:minExclusive xs:minInclusive xs:maxExclusive xs:maxInclusive xs:totalDigits xs:fractionDigits xs:length xs:minLength xs:maxLength xs:enumeration xs:whiteSpace xs:pattern xs:attribute xs:attributeGroup xs:anyAttribute					
used by	complexTypes complexRestrictionType simpleRestrictionType					
attributes	Name id base	Type xs:ID xs:QName	Use required	Default	Fixed	Annotation
source	<pre> <xs:complexType name="restrictionType"> <xs:complexContent> <xs:extension base="xs:annotated"> <xs:sequence> <xs:choice minOccurs="0"> <xs:group ref="xs:typeDefParticle"/> <xs:group ref="xs:simpleRestrictionModel"/> </xs:choice> <xs:group ref="xs:attrDecls"/> </xs:sequence> <xs:attribute name="base" type="xs:QName" use="required"/> </xs:extension> </xs:complexContent> </xs:complexType> </pre>					

attribute **restrictionType/@base**

type	xs:QName
------	-----------------

properties	use required
source	<code><xs:attribute name="base" type="xs:QName" use="required"/></code>

complexType **simpleExplicitGroup**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	restriction of xs:explicitGroup					
properties	base xs:explicitGroup					
children	xs:annotation xs:element xs:group xs:choice xs:sequence xs:any					
used by	elements namedGroup/choice namedGroup/sequence					
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	minOccurs		prohibited			
	maxOccurs		prohibited			
source	<pre> <xs:complexType name="simpleExplicitGroup"> <xs:complexContent> <xs:restriction base="xs:explicitGroup"> <xs:sequence> <xs:element ref="xs:annotation" minOccurs="0"/> <xs:group ref="xs:nestedParticle" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> <xs:attribute name="minOccurs" use="prohibited"/> <xs:attribute name="maxOccurs" use="prohibited"/> <xs:anyAttribute namespace="##other" processContents="lax"/> </xs:restriction> </xs:complexContent> </xs:complexType> </pre>					

attribute **simpleExplicitGroup/@minOccurs**

properties	use prohibited
source	<code><xs:attribute name="minOccurs" use="prohibited"/></code>

attribute **simpleExplicitGroup/@maxOccurs**

properties	use prohibited
source	<code><xs:attribute name="maxOccurs" use="prohibited"/></code>

complexType **simpleExtensionType**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	restriction of xs:extensionType					
properties	base xs:extensionType					
children	xs:annotation xs:attribute xs:attributeGroup xs:anyAttribute					
used by	element simpleContent/extension					
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	base	xs:QName	required			
source	<pre> <xs:complexType name="simpleExtensionType"> <xs:complexContent> <xs:restriction base="xs:extensionType"> <xs:sequence> <xs:annotation> <xs:documentation> No typeDefParticle group reference</xs:documentation> </xs:annotation> <xs:element ref="xs:annotation" minOccurs="0"/> <xs:group ref="xs:attrDecls"/> </xs:sequence> <xs:anyAttribute namespace="##other" processContents="lax"/> </xs:restriction> </xs:complexContent> </xs:complexType> </pre>					

complexType simpleRestrictionType

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	restriction of xs:restrictionType					
properties	base xs:restrictionType					
children	xs:annotation xs:simpleType xs:minExclusive xs:minInclusive xs:maxExclusive xs:maxInclusive xs:totalDigits xs:fractionDigits xs:length xs:minLength xs:maxLength xs:enumeration xs:whiteSpace xs:pattern xs:attribute xs:attributeGroup xs:anyAttribute					
used by	element simpleContent/restriction					
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	base	xs:QName	required			
source	<pre> <xs:complexType name="simpleRestrictionType"> <xs:complexContent> <xs:restriction base="xs:restrictionType"> <xs:sequence> <xs:element ref="xs:annotation" minOccurs="0"/> <xs:choice minOccurs="0"> <xs:annotation> <xs:documentation>This choice is added simply to make this a valid restriction per the REC</xs:documentation> </xs:annotation> <xs:group ref="xs:simpleRestrictionModel"/> </xs:choice> <xs:group ref="xs:attrDecls"/> </xs:sequence> <xs:anyAttribute namespace="##other" processContents="lax"/> </xs:restriction> </xs:complexContent> </xs:complexType> </pre>					

complexType simpleType

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	extension of xs:annotated					
properties	base xs:annotated abstract true					
children	xs:annotation xs:restriction xs:list xs:union					
used by	complexTypes localSimpleType topLevelSimpleType					
attributes	Name id final name	Type xs:ID xs:simpleDerivationSet xs:NCName	Use	Default	Fixed	Annotation documentation Can be restricted to required or forbidden
source	<pre> <xs:complexType name="simpleType" abstract="true"> <xs:complexContent> <xs:extension base="xs:annotated"> <xs:group ref="xs:simpleDerivation"/> <xs:attribute name="final" type="xs:simpleDerivationSet"/> <xs:attribute name="name" type="xs:NCName"> <xs:annotation> <xs:documentation> Can be restricted to required or forbidden </xs:documentation> </xs:annotation> </xs:attribute> </xs:extension> </xs:complexContent> </xs:complexType> </pre>					

attribute **simpleType/@final**

type	xs:simpleDerivationSet
source	<code><xs:attribute name="final" type="xs:simpleDerivationSet"/></code>

attribute **simpleType/@name**

type	xs:NCName
annotation	documentation Can be restricted to required or forbidden
source	<pre> <xs:attribute name="name" type="xs:NCName"> <xs:annotation> <xs:documentation> Can be restricted to required or forbidden </xs:documentation> </xs:annotation> </xs:attribute> </pre>

complexType **topLevelAttribute**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	restriction of xs:attribute					
properties	base xs:attribute					
children	xs:annotation xs:simpleType					
used by	element attribute					
attributes	Name id name ref type use default	Type xs:ID xs:NCName xs:QName xs:string	Use required prohibited prohibited	Default	Fixed	Annotation

	fixed xs:string form prohibited
source	<pre> <xs:complexType name="topLevelAttribute"> <xs:complexContent> <xs:restriction base="xs:attribute"> <xs:sequence> <xs:element ref="xs:annotation" minOccurs="0"/> <xs:element name="simpleType" type="xs:localSimpleType" minOccurs="0"/> </xs:sequence> <xs:attribute name="ref" use="prohibited"/> <xs:attribute name="form" use="prohibited"/> <xs:attribute name="use" use="prohibited"/> <xs:attribute name="name" type="xs:NCName" use="required"/> <xs:anyAttribute namespace="##other" processContents="lax"/> </xs:restriction> </xs:complexContent> </xs:complexType> </pre>

attribute **topLevelAttribute/@name**

type	xs:NCName
properties	use required
source	<pre><xs:attribute name="name" type="xs:NCName" use="required"/></pre>

attribute **topLevelAttribute/@ref**

properties	use prohibited
source	<pre><xs:attribute name="ref" use="prohibited"/></pre>

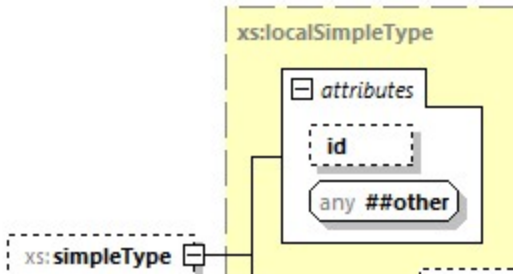
attribute **topLevelAttribute/@use**

properties	use prohibited
source	<pre><xs:attribute name="use" use="prohibited"/></pre>

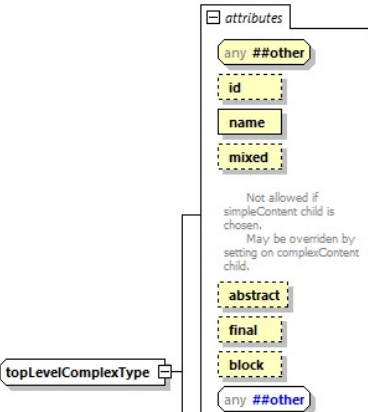
attribute **topLevelAttribute/@form**

properties	use prohibited
source	<pre><xs:attribute name="form" use="prohibited"/></pre>

element **topLevelAttribute/simpleType**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	xs:localSimpleType					
properties	minOcc 0 maxOcc 1 content complex					
children	xs:annotation xs:restriction xs:list xs:union					
used by	group redefinable					
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
source	<xs:element name="simpleType" type="xs:localSimpleType" minOccurs="0"/>					

complexType **topLevelComplexType**

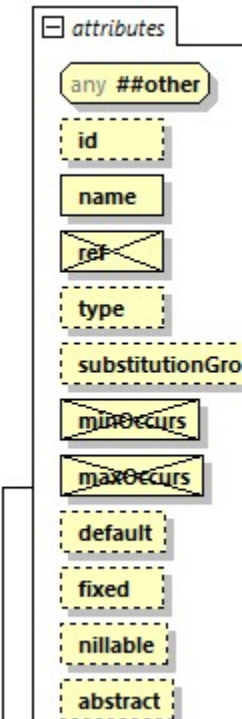
diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	restriction of xs:complexType					
properties	base xs:complexType					
children	xs:annotation xs:simpleContent xs:complexContent xs:group xs:all xs:choice xs:sequence xs:attribute xs:attributeGroup xs:anyAttribute					
used by	element complexType					
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	name	xs:NCName	required			
	mixed	xs:boolean	optional	false		documentation

	<p>Not allowed if simpleContent child is chosen. May be overridden by setting on complexContent child.</p> <p>abstract xs:boolean optional false</p> <p>final xs:derivationSet</p> <p>block xs:derivationSet</p>
source	<pre> <xs:complexType name="topLevelComplexType"> <xs:complexContent> <xs:restriction base="xs:complexType"> <xs:sequence> <xs:element ref="xs:annotation" minOccurs="0"/> <xs:group ref="xs:complexTypeModel"/> </xs:sequence> <xs:attribute name="name" type="xs:NCName" use="required"/> <xs:anyAttribute namespace="##other" processContents="lax"/> </xs:restriction> </xs:complexContent> </xs:complexType> </pre>

attribute **topLevelComplexType/@name**

type	xs:NCName
properties	use required
source	<pre><xs:attribute name="name" type="xs:NCName" use="required"/></pre>

complexType **topLevelElement**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	restriction of xs:element					
properties	base xs:element					
children	xs:annotation xs:simpleType xs:complexType xs:unique xs:key xs:keyref					
used by	element element					
attributes	Name id name ref type substitutionGroup minOccurs maxOccurs default fixed nillable abstract final block form	Type xs:ID xs:NCName xs:QName xs:QName xs:string xs:string xs:boolean xs:boolean xs:derivationSet xs:blockSet	Use required prohibited prohibited prohibited optional optional prohibited	Default false false	Fixed 	Annotation
source	<pre><xs:complexType name="topLevelElement"> <xs:complexContent> <xs:restriction base="xs:element"></pre>					

	<pre> <xs:sequence> <xs:element ref="xs:annotation" minOccurs="0"/> <xs:choice minOccurs="0"> <xs:element name="simpleType" type="xs:localSimpleType"/> <xs:element name="complexType" type="xs:localComplexType"/> </xs:choice> <xs:group ref="xs:identityConstraint" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> <xs:attribute name="ref" use="prohibited"/> <xs:attribute name="form" use="prohibited"/> <xs:attribute name="minOccurs" use="prohibited"/> <xs:attribute name="maxOccurs" use="prohibited"/> <xs:attribute name="name" type="xs:NCName" use="required"/> <xs:anyAttribute namespace="##other" processContents="lax"/> </xs:restriction> </xs:complexContent> </xs:complexType> </pre>
--	---

attribute **topLevelElement/@name**

type	xs:NCName
properties	use required
source	<pre><xs:attribute name="name" type="xs:NCName" use="required"/></pre>

attribute **topLevelElement/@ref**

properties	use prohibited
source	<pre><xs:attribute name="ref" use="prohibited"/></pre>

attribute **topLevelElement/@minOccurs**

properties	use prohibited
source	<pre><xs:attribute name="minOccurs" use="prohibited"/></pre>

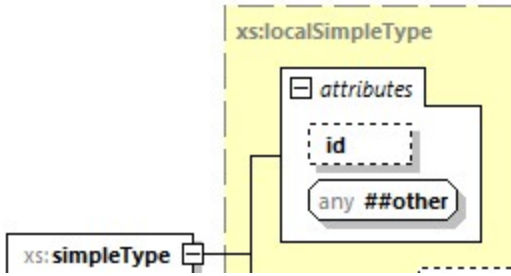
attribute **topLevelElement/@maxOccurs**

properties	use prohibited
source	<pre><xs:attribute name="maxOccurs" use="prohibited"/></pre>

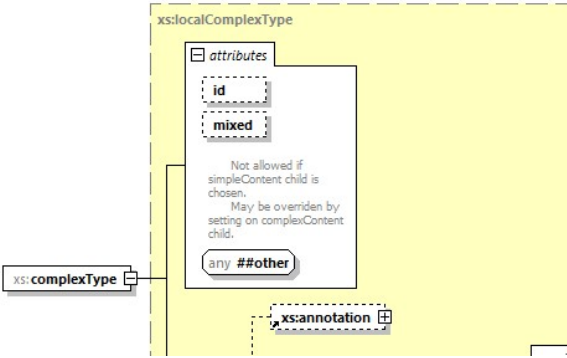
attribute **topLevelElement/@form**

properties	use prohibited
source	<pre><xs:attribute name="form" use="prohibited"/></pre>

element **topLevelElement/simpleType**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	xs:localSimpleType					
properties	content complex					
children	xs:annotation xs:restriction xs:list xs:union					
used by	group redefinable					
attributes	Name id	Type xs:ID	Use	Default	Fixed	Annotation
source	<code><xs:element name="simpleType" type="xs:localSimpleType"/></code>					

element **topLevelElement/complexType**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	xs:localComplexType					
properties	content complex					
children	xs:annotation xs:simpleContent xs:complexContent xs:group xs:all xs:choice xs:sequence xs:attribute xs:attributeGroup xs:anyAttribute					
used by	group redefinable					
attributes	Name id	Type xs:ID	Use	Default	Fixed	Annotation
	mixed	xs:boolean	optional	false		documentation
						Not allowed if

		simpleContent child is chosen. May be overridden by setting on complexContent child.
source	<code><xs:element name="complexType" type="xs:localComplexType"/></code>	

complexType **topLevelSimpleType**

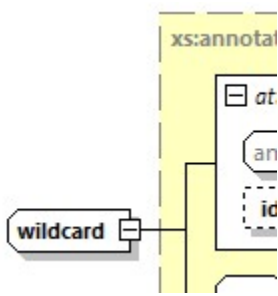
diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	restriction of xs:simpleType					
properties	base xs:simpleType					
children	xs:annotation xs:restriction xs:list xs:union					
used by	element simpleType					
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	final	xs:simpleDerivationSet				
	name	xs:NCName	required			documentation
						Required at the top level
source	<pre> <xs:complexType name="topLevelSimpleType"> <xs:complexContent> <xs:restriction base="xs:simpleType"> <xs:sequence> <xs:element ref="xs:annotation" minOccurs="0"/> <xs:group ref="xs:simpleDerivation"/> </xs:sequence> <xs:attribute name="name" type="xs:NCName" use="required"> <xs:annotation> <xs:documentation> Required at the top level </xs:documentation> </xs:annotation> </xs:attribute> </xs:restriction> </xs:complexContent> </xs:complexType> </pre>					

	<pre> </xs:attribute> <xs:anyAttribute namespace="##other" processContents="lax"/> </xs:restriction> </xs:complexContent> </xs:complexType> </pre>
--	--

attribute **topLevelSimpleType/@name**

type	xs:NCName
properties	use required
annotation	documentation Required at the top level
source	<pre> <xs:attribute name="name" type="xs:NCName" use="required"> <xs:annotation> <xs:documentation> Required at the top level </xs:documentation> </xs:annotation> </xs:attribute> </pre>

complexType **wildcard**

diagram						
namespace	http://www.w3.org/2001/XMLSchema					
type	extension of xs:annotated					
properties	base xs:annotated					
children	xs:annotation					
used by	elements any anyAttribute					
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:ID				
	namespace	xs:namespaceList	optional	##any		
	processContents	derived by: xs:NMTOKEN	optional	strict		
source	<pre> <xs:complexType name="wildcard"> <xs:complexContent> <xs:extension base="xs:annotated"> <xs:attribute name="namespace" type="xs:namespaceList" use="optional" </pre>					

	<pre> default="##any"/> <xs:attribute name="processContents" use="optional" default="strict"> <xs:simpleType> <xs:restriction base="xs:NMTOKEN"> <xs:enumeration value="skip"/> <xs:enumeration value="lax"/> <xs:enumeration value="strict"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:extension> </xs:complexContent> </xs:complexType> </pre>
--	--

attribute **wildcard/@namespace**

type	xs:namespaceList				
properties	<table> <tr> <td>use</td><td>optional</td></tr> <tr> <td>default</td><td>##any</td></tr> </table>	use	optional	default	##any
use	optional				
default	##any				
source	<pre> <xs:attribute name="namespace" type="xs:namespaceList" use="optional" default="##any"/> </pre>				

attribute **wildcard/@processContents**

type	restriction of xs:NMTOKEN		
properties	use default	optional strict	
facets	Kind enumeration	Value skip	Annotation lax strict
source	<pre><xs:attribute name="processContents" use="optional" default="strict"> <xs:simpleType> <xs:restriction base="xs:NMTOKEN"> <xs:enumeration value="skip"/> <xs:enumeration value="lax"/> <xs:enumeration value="strict"/> </xs:restriction> </xs:simpleType> </xs:attribute></pre>		

simpleType **allNNI**

namespace	http://www.w3.org/2001/XMLSchema
type	union of (xs:nonNegativeInteger , restriction of xs:NMTOKEN)
used by	attributes narrowMaxMin/@maxOccurs all/@maxOccurs occurs/@maxOccurs
annotation	documentation

	for maxOccurs
source	<pre> <xs:simpleType name="allNNI"> <xs:annotation> <xs:documentation> for maxOccurs</xs:documentation> </xs:annotation> <xs:union memberTypes="xs:nonNegativeInteger"> <xs:simpleType> <xs:restriction base="xs:NMTOKEN"> <xs:enumeration value="unbounded"/> </xs:restriction> </xs:simpleType> </xs:union> </xs:simpleType> </pre>

simpleType anyURI

namespace	http://www.w3.org/2001/XMLSchema
type	restriction of xs:anySimpleType
properties	base xs:anySimpleType id anyURI
facets	Kind Value Annotation whiteSpace collapse
annotation	appinfo <hfp:hasFacet name="length"/> <hfp:hasFacet name="minLength"/> <hfp:hasFacet name="maxLength"/> <hfp:hasFacet name="pattern"/> <hfp:hasFacet name="enumeration"/> <hfp:hasFacet name="whiteSpace"/> <hfp:hasProperty name="ordered" value="false"/> <hfp:hasProperty name="bounded" value="false"/> <hfp:hasProperty name="cardinality" value="countably infinite"/> <hfp:hasProperty name="numeric" value="false"/>
source	<pre> <xs:simpleType name="anyURI" id="anyURI"> <xs:annotation> <xs:appinfo> <hfp:hasFacet name="length"/> <hfp:hasFacet name="minLength"/> <hfp:hasFacet name="maxLength"/> <hfp:hasFacet name="pattern"/> <hfp:hasFacet name="enumeration"/> <hfp:hasFacet name="whiteSpace"/> <hfp:hasProperty name="ordered" value="false"/> <hfp:hasProperty name="bounded" value="false"/> <hfp:hasProperty name="cardinality" value="countably infinite"/> <hfp:hasProperty name="numeric" value="false"/> </xs:appinfo> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#anyURI"/> </xs:annotation> <xs:restriction base="xs:anySimpleType"> <xs:whiteSpace value="collapse" fixed="true" id="anyURI.whiteSpace"/> </xs:restriction> </pre>

	<code></xs:simpleType></code>
--	-------------------------------------

simpleType **base64Binary**

namespace	http://www.w3.org/2001/XMLSchema		
type	restriction of xs:anySimpleType		
properties	base	xs:anySimpleType	
	id	base64Binary	
facets	Kind	Value	Annotation
	whiteSpace	collapse	
annotation	appinfo <hfp:hasFacet name="length"/> <hfp:hasFacet name="minLength"/> <hfp:hasFacet name="maxLength"/> <hfp:hasFacet name="pattern"/> <hfp:hasFacet name="enumeration"/> <hfp:hasFacet name="whiteSpace"/> <hfp:hasProperty name="ordered" value="false"/> <hfp:hasProperty name="bounded" value="false"/> <hfp:hasProperty name="cardinality" value="countably infinite"/> <hfp:hasProperty name="numeric" value="false"/>		
source	<xs:simpleType name="base64Binary" id="base64Binary"> <xs:annotation> <xs:appinfo> <hfp:hasFacet name="length"/> <hfp:hasFacet name="minLength"/> <hfp:hasFacet name="maxLength"/> <hfp:hasFacet name="pattern"/> <hfp:hasFacet name="enumeration"/> <hfp:hasFacet name="whiteSpace"/> <hfp:hasProperty name="ordered" value="false"/> <hfp:hasProperty name="bounded" value="false"/> <hfp:hasProperty name="cardinality" value="countably infinite"/> <hfp:hasProperty name="numeric" value="false"/> </xs:appinfo> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#base64Binary"/> </xs:annotation> <xs:restriction base="xs:anySimpleType"> <xs:whiteSpace value="collapse" fixed="true" id="base64Binary.whiteSpace"/> </xs:restriction> </xs:simpleType>		

simpleType **blockSet**

namespace	http://www.w3.org/2001/XMLSchema
type	union of (restriction of xs:token , list of (restriction of xs:derivationControl))
used by	attributes element/@block schema/@block schema/@blockDefault
annotation	documentation A utility type, not for public use documentation

	#all or (possibly empty) subset of {substitution, extension, restriction}
source	<pre> <xs:simpleType name="blockSet"> <xs:annotation> <xs:documentation> A utility type, not for public use</xs:documentation> <xs:documentation> #all or (possibly empty) subset of {substitution, extension, restriction}</xs:documentation> </xs:annotation> <xs:union> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="#all"/> </xs:restriction> </xs:simpleType> <xs:simpleType> <xs:list> <xs:simpleType> <xs:restriction base="xs:derivationControl"> <xs:enumeration value="extension"/> <xs:enumeration value="restriction"/> <xs:enumeration value="substitution"/> </xs:restriction> </xs:simpleType> </xs:list> </xs:simpleType> </xs:union> </xs:simpleType> </pre>

simpleType **boolean**

namespace	http://www.w3.org/2001/XMLSchema
type	restriction of xs:anySimpleType
properties	base xs:anySimpleType id boolean
facets	Kind Value Annotation whiteSpace collapse
annotation	appinfo <hfp:hasFacet name="pattern"/> <hfp:hasFacet name="whiteSpace"/> <hfp:hasProperty name="ordered" value="false"/> <hfp:hasProperty name="bounded" value="false"/> <hfp:hasProperty name="cardinality" value="finite"/> <hfp:hasProperty name="numeric" value="false"/>
source	<xs:simpleType name="boolean" id="boolean"> <xs:annotation> <xs:appinfo> <hfp:hasFacet name="pattern"/> <hfp:hasFacet name="whiteSpace"/> <hfp:hasProperty name="ordered" value="false"/> <hfp:hasProperty name="bounded" value="false"/>

	<pre> <hfp:hasProperty name="cardinality" value="finite"/> <hfp:hasProperty name="numeric" value="false"/> </xs:appinfo> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#boolean"/> </xs:annotation> <xs:restriction base="xs:anySimpleType"> <xs:whiteSpace value="collapse" fixed="true" id="boolean.whiteSpace"/> </xs:restriction> </xs:simpleType> </pre>
--	--

simpleType **byte**

namespace	http://www.w3.org/2001/XMLSchema		
type	restriction of xs:short		
properties	base	xs:short	
	id	byte	
facets	Kind	Value	Annotation
	minInclusive	-128	
	maxInclusive	127	
source	<pre><xs:simpleType name="byte" id="byte"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#byte"/> </xs:annotation> <xs:restriction base="xs:short"> <xs:minInclusive value="-128" id="byte.minInclusive"/> <xs:maxInclusive value="127" id="byte.maxInclusive"/> </xs:restriction> </xs:simpleType></pre>		

simpleType **date**

namespace	http://www.w3.org/2001/XMLSchema						
type	restriction of xs:anySimpleType						
properties	<div>base xs:anySimpleType</div> <div>id date</div>						
facets	<table><thead><tr><th>Kind</th><th>Value</th><th>Annotation</th></tr></thead><tbody><tr><td>whiteSpace</td><td>collapse</td><td></td></tr></tbody></table>	Kind	Value	Annotation	whiteSpace	collapse	
Kind	Value	Annotation					
whiteSpace	collapse						
annotation	<div>appinfo</div> <div><hfp:hasFacet name="pattern"/></div> <div><hfp:hasFacet name="enumeration"/></div> <div><hfp:hasFacet name="whiteSpace"/></div> <div><hfp:hasFacet name="maxInclusive"/></div> <div><hfp:hasFacet name="maxExclusive"/></div> <div><hfp:hasFacet name="minInclusive"/></div> <div><hfp:hasFacet name="minExclusive"/></div> <div><hfp:hasProperty name="ordered" value="partial"/></div> <div><hfp:hasProperty name="bounded" value="false"/></div> <div><hfp:hasProperty name="cardinality" value="countably infinite"/></div> <div><hfp:hasProperty name="numeric" value="false"/></div>						
source	<xs:simpleType name="date" id="date"> <xs:annotation>						

	<pre> <xs:appinfo> <hfp:hasFacet name="pattern"/> <hfp:hasFacet name="enumeration"/> <hfp:hasFacet name="whiteSpace"/> <hfp:hasFacet name="maxInclusive"/> <hfp:hasFacet name="maxExclusive"/> <hfp:hasFacet name="minInclusive"/> <hfp:hasFacet name="minExclusive"/> <hfp:hasProperty name="ordered" value="partial"/> <hfp:hasProperty name="bounded" value="false"/> <hfp:hasProperty name="cardinality" value="countably infinite"/> <hfp:hasProperty name="numeric" value="false"/> </xs:appinfo> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#date"/> </xs:annotation> <xs:restriction base="xs:anySimpleType"> <xs:whiteSpace value="collapse" fixed="true" id="date.whiteSpace"/> </xs:restriction> </xs:simpleType> </pre>
--	---

simpleType **dateTime**

namespace	http://www.w3.org/2001/XMLSchema						
type	restriction of xs:anySimpleType						
properties	<div>base xs:anySimpleType</div> <div>id dateTime</div>						
facets	<table><tr><td>Kind</td><td>Value</td><td>Annotation</td></tr><tr><td>whiteSpace</td><td>collapse</td><td></td></tr></table>	Kind	Value	Annotation	whiteSpace	collapse	
Kind	Value	Annotation					
whiteSpace	collapse						
annotation	<div>appinfo</div> <div><hfp:hasFacet name="pattern"/></div> <div><hfp:hasFacet name="enumeration"/></div> <div><hfp:hasFacet name="whiteSpace"/></div> <div><hfp:hasFacet name="maxInclusive"/></div> <div><hfp:hasFacet name="maxExclusive"/></div> <div><hfp:hasFacet name="minInclusive"/></div> <div><hfp:hasFacet name="minExclusive"/></div> <div><hfp:hasProperty name="ordered" value="partial"/></div> <div><hfp:hasProperty name="bounded" value="false"/></div> <div><hfp:hasProperty name="cardinality" value="countably infinite"/></div> <div><hfp:hasProperty name="numeric" value="false"/></div>						
source	<div><xs:simpleType name="dateTime" id="dateTime"></div> <div> <xs:annotation></div> <div> <xs:appinfo></div> <div> <hfp:hasFacet name="pattern"/></div> <div> <hfp:hasFacet name="enumeration"/></div> <div> <hfp:hasFacet name="whiteSpace"/></div> <div> <hfp:hasFacet name="maxInclusive"/></div> <div> <hfp:hasFacet name="maxExclusive"/></div> <div> <hfp:hasFacet name="minInclusive"/></div> <div> <hfp:hasFacet name="minExclusive"/></div> <div> <hfp:hasProperty name="ordered" value="partial"/></div> <div> <hfp:hasProperty name="bounded" value="false"/></div> <div> <hfp:hasProperty name="cardinality" value="countably infinite"/></div>						

	<pre> <hfp:hasProperty name="numeric" value="false"/> </xs:appinfo> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#dateTime"/> </xs:annotation> <xs:restriction base="xs:anySimpleType"> <xs:whiteSpace value="collapse" fixed="true" id="dateTime.whiteSpace"/> </xs:restriction> </xs:simpleType> </pre>
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simpleType decimal

namespace	http://www.w3.org/2001/XMLSchema		
type	restriction of xs:anySimpleType		
properties	base	xs:anySimpleType	
	id	decimal	
facets	Kind	Value	Annotation
	whiteSpace	collapse	
annotation	appinfo <hfp:hasFacet name="totalDigits"/> <hfp:hasFacet name="fractionDigits"/> <hfp:hasFacet name="pattern"/> <hfp:hasFacet name="whiteSpace"/> <hfp:hasFacet name="enumeration"/> <hfp:hasFacet name="maxInclusive"/> <hfp:hasFacet name="maxExclusive"/> <hfp:hasFacet name="minInclusive"/> <hfp:hasFacet name="minExclusive"/> <hfp:hasProperty name="ordered" value="total"/> <hfp:hasProperty name="bounded" value="false"/> <hfp:hasProperty name="cardinality" value="countably infinite"/> <hfp:hasProperty name="numeric" value="true"/>		
source	<xs:simpleType name="decimal" id="decimal"> <xs:annotation> <xs:appinfo> <hfp:hasFacet name="totalDigits"/> <hfp:hasFacet name="fractionDigits"/> <hfp:hasFacet name="pattern"/> <hfp:hasFacet name="whiteSpace"/> <hfp:hasFacet name="enumeration"/> <hfp:hasFacet name="maxInclusive"/> <hfp:hasFacet name="maxExclusive"/> <hfp:hasFacet name="minInclusive"/> <hfp:hasFacet name="minExclusive"/> <hfp:hasProperty name="ordered" value="total"/> <hfp:hasProperty name="bounded" value="false"/> <hfp:hasProperty name="cardinality" value="countably infinite"/> <hfp:hasProperty name="numeric" value="true"/> </xs:appinfo> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#decimal"/> </xs:annotation> <xs:restriction base="xs:anySimpleType"> <xs:whiteSpace value="collapse" fixed="true" id="decimal.whiteSpace"/> </xs:restriction> </xs:simpleType>		

	<code></xs:simpleType></code>
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simpleType **derivationControl**

namespace	http://www.w3.org/2001/XMLSchema		
type	restriction of xs:NMTOKEN		
properties	base xs:NMTOKEN		
used by	simpleTypes	blockSet reducedDerivationControl simpleDerivationSet typeDerivationControl	
facets	Kind	Value	Annotation
	enumeration	substitution	
	enumeration	extension	
	enumeration	restriction	
	enumeration	list	
	enumeration	union	
annotation	documentation A utility type, not for public use		
source	<pre> <xs:simpleType name="derivationControl"> <xs:annotation> <xs:documentation> A utility type, not for public use</xs:documentation> </xs:annotation> <xs:restriction base="xs:NMTOKEN"> <xs:enumeration value="substitution"/> <xs:enumeration value="extension"/> <xs:enumeration value="restriction"/> <xs:enumeration value="list"/> <xs:enumeration value="union"/> </xs:restriction> </xs:simpleType> </pre>		

simpleType **derivationSet**

namespace	http://www.w3.org/2001/XMLSchema
type	union of (restriction of xs:token , list of xs:reducedDerivationControl)
used by	attributes complexType/@block complexType/@final element/@final
annotation	documentation A utility type, not for public use documentation #all or (possibly empty) subset of {extension, restriction}
source	<pre><xs:simpleType name="derivationSet"> <xs:annotation> <xs:documentation> A utility type, not for public use</xs:documentation> <xs:documentation> #all or (possibly empty) subset of {extension, restriction}</xs:documentation> </xs:annotation> </xs:simpleType></pre>

	<pre> </xs:annotation> <xs:union> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="#all"/> </xs:restriction> </xs:simpleType> <xs:simpleType> <xs:list itemType="xs:reducedDerivationControl"/> </xs:simpleType> </xs:union> </xs:simpleType> </pre>
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simpleType double

namespace	http://www.w3.org/2001/XMLSchema						
type	restriction of xs:anySimpleType						
properties	<div>base xs:anySimpleType</div> <div>id double</div>						
facets	<table><tr><td>Kind</td><td>Value</td><td>Annotation</td></tr><tr><td>whiteSpace</td><td>collapse</td><td></td></tr></table>	Kind	Value	Annotation	whiteSpace	collapse	
Kind	Value	Annotation					
whiteSpace	collapse						
annotation	<div>appinfo</div> <div><hfp:hasFacet name="pattern"/></div> <div><hfp:hasFacet name="enumeration"/></div> <div><hfp:hasFacet name="whiteSpace"/></div> <div><hfp:hasFacet name="maxInclusive"/></div> <div><hfp:hasFacet name="maxExclusive"/></div> <div><hfp:hasFacet name="minInclusive"/></div> <div><hfp:hasFacet name="minExclusive"/></div> <div><hfp:hasProperty name="ordered" value="total"/></div> <div><hfp:hasProperty name="bounded" value="true"/></div> <div><hfp:hasProperty name="cardinality" value="finite"/></div> <div><hfp:hasProperty name="numeric" value="true"/></div>						
source	<div><xs:simpleType name="double" id="double"></div> <div><xs:annotation></div> <div><xs:appinfo></div> <div><hfp:hasFacet name="pattern"/></div> <div><hfp:hasFacet name="enumeration"/></div> <div><hfp:hasFacet name="whiteSpace"/></div> <div><hfp:hasFacet name="maxInclusive"/></div> <div><hfp:hasFacet name="maxExclusive"/></div> <div><hfp:hasFacet name="minInclusive"/></div> <div><hfp:hasFacet name="minExclusive"/></div> <div><hfp:hasProperty name="ordered" value="total"/></div> <div><hfp:hasProperty name="bounded" value="true"/></div> <div><hfp:hasProperty name="cardinality" value="finite"/></div> <div><hfp:hasProperty name="numeric" value="true"/></div> <div></xs:appinfo></div> <div><xs:documentation source="http://www.w3.org/TR/xmlschema-2/#double"/></div> <div></xs:annotation></div> <div><xs:restriction base="xs:anySimpleType"></div> <div><xs:whiteSpace value="collapse" fixed="true" id="double.whiteSpace"/></div> <div></xs:restriction></div>						

	</xs:simpleType>
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simpleType **duration**

namespace	http://www.w3.org/2001/XMLSchema
type	restriction of xs:anySimpleType
properties	base xs:anySimpleType id duration
facets	Kind Value Annotation whiteSpace collapse
annotation	appinfo <hfp:hasFacet name="pattern"/> <hfp:hasFacet name="enumeration"/> <hfp:hasFacet name="whiteSpace"/> <hfp:hasFacet name="maxInclusive"/> <hfp:hasFacet name="maxExclusive"/> <hfp:hasFacet name="minInclusive"/> <hfp:hasFacet name="minExclusive"/> <hfp:hasProperty name="ordered" value="partial"/> <hfp:hasProperty name="bounded" value="false"/> <hfp:hasProperty name="cardinality" value="countably infinite"/> <hfp:hasProperty name="numeric" value="false"/>
source	<xs:simpleType name="duration" id="duration"> <xs:annotation> <xs:appinfo> <hfp:hasFacet name="pattern"/> <hfp:hasFacet name="enumeration"/> <hfp:hasFacet name="whiteSpace"/> <hfp:hasFacet name="maxInclusive"/> <hfp:hasFacet name="maxExclusive"/> <hfp:hasFacet name="minInclusive"/> <hfp:hasFacet name="minExclusive"/> <hfp:hasProperty name="ordered" value="partial"/> <hfp:hasProperty name="bounded" value="false"/> <hfp:hasProperty name="cardinality" value="countably infinite"/> <hfp:hasProperty name="numeric" value="false"/> </xs:appinfo> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#duration"/> </xs:annotation> <xs:restriction base="xs:anySimpleType"> <xs:whiteSpace value="collapse" fixed="true" id="duration.whiteSpace"/> </xs:restriction> </xs:simpleType>

simpleType **ENTITIES**

namespace	http://www.w3.org/2001/XMLSchema
type	restriction of (list of xs:ENTITY)
properties	id ENTITIES
facets	Kind Value Annotation minLength 1

annotation	<pre> appinfo <hfp:hasFacet name="length"/> <hfp:hasFacet name="minLength"/> <hfp:hasFacet name="maxLength"/> <hfp:hasFacet name="enumeration"/> <hfp:hasFacet name="whiteSpace"/> <hfp:hasFacet name="pattern"/> <hfp:hasProperty name="ordered" value="false"/> <hfp:hasProperty name="bounded" value="false"/> <hfp:hasProperty name="cardinality" value="countably infinite"/> <hfp:hasProperty name="numeric" value="false"/> </pre>
source	<pre> <xs:simpleType name="ENTITIES" id="ENTITIES"> <xs:annotation> <xs:appinfo> <hfp:hasFacet name="length"/> <hfp:hasFacet name="minLength"/> <hfp:hasFacet name="maxLength"/> <hfp:hasFacet name="enumeration"/> <hfp:hasFacet name="whiteSpace"/> <hfp:hasFacet name="pattern"/> <hfp:hasProperty name="ordered" value="false"/> <hfp:hasProperty name="bounded" value="false"/> <hfp:hasProperty name="cardinality" value="countably infinite"/> <hfp:hasProperty name="numeric" value="false"/> </xs:appinfo> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#ENTITIES"/> </xs:annotation> <xs:restriction> <xs:simpleType> <xs:list itemType="xs:ENTITY"/> </xs:simpleType> <xs:minLength value="1" id="ENTITIES.minLength"/> </xs:restriction> </xs:simpleType> </pre>

simpleType ENTITY

namespace	http://www.w3.org/2001/XMLSchema
type	xs:NCName
properties	base xs:NCName id ENTITY
source	<pre> <xs:simpleType name="ENTITY" id="ENTITY"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#ENTITY"/> </xs:annotation> <xs:restriction base="xs:NCName"/> </xs:simpleType> </pre>

simpleType float

namespace	http://www.w3.org/2001/XMLSchema
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type	restriction of xs:anySimpleType						
properties	<table><tr><td>base</td><td>xs:anySimpleType</td></tr><tr><td>id</td><td>float</td></tr></table>	base	xs:anySimpleType	id	float		
base	xs:anySimpleType						
id	float						
facets	<table><tr><td>Kind</td><td>Value</td><td>Annotation</td></tr><tr><td>whiteSpace</td><td>collapse</td><td></td></tr></table>	Kind	Value	Annotation	whiteSpace	collapse	
Kind	Value	Annotation					
whiteSpace	collapse						
annotation	<div>appinfo</div> <div><hfp:hasFacet name="pattern"/> <hfp:hasFacet name="enumeration"/> <hfp:hasFacet name="whiteSpace"/> <hfp:hasFacet name="maxInclusive"/> <hfp:hasFacet name="maxExclusive"/> <hfp:hasFacet name="minInclusive"/> <hfp:hasFacet name="minExclusive"/> <hfp:hasProperty name="ordered" value="total"/> <hfp:hasProperty name="bounded" value="true"/> <hfp:hasProperty name="cardinality" value="finite"/> <hfp:hasProperty name="numeric" value="true"/></div>						
source	<div><xs:simpleType name="float" id="float"> <xs:annotation> <xs:appinfo> <hfp:hasFacet name="pattern"/> <hfp:hasFacet name="enumeration"/> <hfp:hasFacet name="whiteSpace"/> <hfp:hasFacet name="maxInclusive"/> <hfp:hasFacet name="maxExclusive"/> <hfp:hasFacet name="minInclusive"/> <hfp:hasFacet name="minExclusive"/> <hfp:hasProperty name="ordered" value="total"/> <hfp:hasProperty name="bounded" value="true"/> <hfp:hasProperty name="cardinality" value="finite"/> <hfp:hasProperty name="numeric" value="true"/> </xs:appinfo> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#float"/> </xs:annotation> <xs:restriction base="xs:anySimpleType"> <xs:whiteSpace value="collapse" fixed="true" id="float.whiteSpace"/> </xs:restriction> </xs:simpleType></div>						

simpleType **formChoice**

namespace	http://www.w3.org/2001/XMLSchema		
type	restriction of xs:NMTOKEN		
properties	base xs:NMTOKEN		
used by	attributes schema/@attributeFormDefault schema/@elementFormDefault attribute/@form element/@form		
facets	Kind	Value	Annotation
	enumeration	qualified	
	enumeration	unqualified	
annotation	documentation A utility type, not for public use		

source	<pre> <xs:simpleType name="formChoice"> <xs:annotation> <xs:documentation> A utility type, not for public use</xs:documentation> </xs:annotation> <xs:restriction base="xs:NMTOKEN"> <xs:enumeration value="qualified"/> <xs:enumeration value="unqualified"/> </xs:restriction> </xs:simpleType> </pre>
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simpleType fullDerivationSet

namespace	http://www.w3.org/2001/XMLSchema
type	union of (restriction of xs:token , list of xs:typeDerivationControl)
used by	attribute schema/@finalDefault
annotation	<p>documentation</p> <p>A utility type, not for public use</p> <p>documentation</p> <p>#all or (possibly empty) subset of {extension, restriction, list, union}</p>
source	<pre> <xs:simpleType name="fullDerivationSet"> <xs:annotation> <xs:documentation> A utility type, not for public use</xs:documentation> <xs:documentation> #all or (possibly empty) subset of {extension, restriction, list, union}</xs:documentation> </xs:annotation> <xs:union> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="#all"/> </xs:restriction> </xs:simpleType> <xs:simpleType> <xs:list itemType="xs:typeDerivationControl"/> </xs:simpleType> </xs:union> </xs:simpleType> </pre>

simpleType gDay

namespace	http://www.w3.org/2001/XMLSchema		
type	restriction of xs:anySimpleType		
properties	base id	xs:anySimpleType gDay	
facets	Kind whiteSpace	Value collapse	Annotation

annotation	<pre> appinfo <hfp:hasFacet name="pattern"/> <hfp:hasFacet name="enumeration"/> <hfp:hasFacet name="whiteSpace"/> <hfp:hasFacet name="maxInclusive"/> <hfp:hasFacet name="maxExclusive"/> <hfp:hasFacet name="minInclusive"/> <hfp:hasFacet name="minExclusive"/> <hfp:hasProperty name="ordered" value="partial"/> <hfp:hasProperty name="bounded" value="false"/> <hfp:hasProperty name="cardinality" value="countably infinite"/> <hfp:hasProperty name="numeric" value="false"/> </pre>
source	<pre> <xs:simpleType name="gDay" id="gDay"> <xs:annotation> <xs:appinfo> <hfp:hasFacet name="pattern"/> <hfp:hasFacet name="enumeration"/> <hfp:hasFacet name="whiteSpace"/> <hfp:hasFacet name="maxInclusive"/> <hfp:hasFacet name="maxExclusive"/> <hfp:hasFacet name="minInclusive"/> <hfp:hasFacet name="minExclusive"/> <hfp:hasProperty name="ordered" value="partial"/> <hfp:hasProperty name="bounded" value="false"/> <hfp:hasProperty name="cardinality" value="countably infinite"/> <hfp:hasProperty name="numeric" value="false"/> </xs:appinfo> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#gDay"/> </xs:annotation> <xs:restriction base="xs:anySimpleType"> <xs:whiteSpace value="collapse" fixed="true" id="gDay.whiteSpace"/> </xs:restriction> </xs:simpleType> </pre>

simpleType gMonth

namespace	http://www.w3.org/2001/XMLSchema						
type	restriction of xs:anySimpleType						
properties	<div>base xs:anySimpleType</div> <div>id gMonth</div>						
facets	<table><tr><td>Kind</td><td>Value</td><td>Annotation</td></tr><tr><td>whiteSpace</td><td>collapse</td><td></td></tr></table>	Kind	Value	Annotation	whiteSpace	collapse	
Kind	Value	Annotation					
whiteSpace	collapse						
annotation	<div>appinfo</div> <div><hfp:hasFacet name="pattern"/></div> <div><hfp:hasFacet name="enumeration"/></div> <div><hfp:hasFacet name="whiteSpace"/></div> <div><hfp:hasFacet name="maxInclusive"/></div> <div><hfp:hasFacet name="maxExclusive"/></div> <div><hfp:hasFacet name="minInclusive"/></div> <div><hfp:hasFacet name="minExclusive"/></div> <div><hfp:hasProperty name="ordered" value="partial"/></div> <div><hfp:hasProperty name="bounded" value="false"/></div> <div><hfp:hasProperty name="cardinality" value="countably infinite"/></div> <div><hfp:hasProperty name="numeric" value="false"/></div>						

source	<pre> <xs:simpleType name="gMonth" id="gMonth"> <xs:annotation> <xs:appinfo> <hfp:hasFacet name="pattern"/> <hfp:hasFacet name="enumeration"/> <hfp:hasFacet name="whiteSpace"/> <hfp:hasFacet name="maxInclusive"/> <hfp:hasFacet name="maxExclusive"/> <hfp:hasFacet name="minInclusive"/> <hfp:hasFacet name="minExclusive"/> <hfp:hasProperty name="ordered" value="partial"/> <hfp:hasProperty name="bounded" value="false"/> <hfp:hasProperty name="cardinality" value="countably infinite"/> <hfp:hasProperty name="numeric" value="false"/> </xs:appinfo> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#gMonth"/> </xs:annotation> <xs:restriction base="xs:anySimpleType"> <xs:whiteSpace value="collapse" fixed="true" id="gMonth.whiteSpace"/> </xs:restriction> </xs:simpleType> </pre>
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simpleType gMonthDay

namespace	http://www.w3.org/2001/XMLSchema						
type	restriction of xs:anySimpleType						
properties	base xs:anySimpleType id gMonthDay						
facets	<table><tr><td>Kind</td><td>Value</td><td>Annotation</td></tr><tr><td>whiteSpace</td><td>collapse</td><td></td></tr></table>	Kind	Value	Annotation	whiteSpace	collapse	
Kind	Value	Annotation					
whiteSpace	collapse						
annotation	appinfo <hfp:hasFacet name="pattern"/> <hfp:hasFacet name="enumeration"/> <hfp:hasFacet name="whiteSpace"/> <hfp:hasFacet name="maxInclusive"/> <hfp:hasFacet name="maxExclusive"/> <hfp:hasFacet name="minInclusive"/> <hfp:hasFacet name="minExclusive"/> <hfp:hasProperty name="ordered" value="partial"/> <hfp:hasProperty name="bounded" value="false"/> <hfp:hasProperty name="cardinality" value="countably infinite"/> <hfp:hasProperty name="numeric" value="false"/>						
source	<xs:simpleType name="gMonthDay" id="gMonthDay"> <xs:annotation> <xs:appinfo> <hfp:hasFacet name="pattern"/> <hfp:hasFacet name="enumeration"/> <hfp:hasFacet name="whiteSpace"/> <hfp:hasFacet name="maxInclusive"/> <hfp:hasFacet name="maxExclusive"/> <hfp:hasFacet name="minInclusive"/> <hfp:hasFacet name="minExclusive"/> <hfp:hasProperty name="ordered" value="partial"/> </xs:appinfo> </xs:annotation> </xs:simpleType>						

	<pre> <hfp:hasProperty name="bounded" value="false"/> <hfp:hasProperty name="cardinality" value="countably infinite"/> <hfp:hasProperty name="numeric" value="false"/> </xs:appinfo> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#gMonthDay"/> </xs:annotation> <xs:restriction base="xs:anySimpleType"> <xs:whiteSpace value="collapse" fixed="true" id="gMonthDay.whiteSpace"/> </xs:restriction> </xs:simpleType> </pre>
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simpleType gYear

namespace	http://www.w3.org/2001/XMLSchema						
type	restriction of xs:anySimpleType						
properties	<div>base</div> <div>xs:anySimpleType</div> <div>id</div> <div>gYear</div>						
facets	<table><tr><td>Kind</td><td>Value</td><td>Annotation</td></tr><tr><td>whiteSpace</td><td>collapse</td><td></td></tr></table>	Kind	Value	Annotation	whiteSpace	collapse	
Kind	Value	Annotation					
whiteSpace	collapse						
annotation	<div>appinfo</div> <div><hfp:hasFacet name="pattern"/></div> <div><hfp:hasFacet name="enumeration"/></div> <div><hfp:hasFacet name="whiteSpace"/></div> <div><hfp:hasFacet name="maxInclusive"/></div> <div><hfp:hasFacet name="maxExclusive"/></div> <div><hfp:hasFacet name="minInclusive"/></div> <div><hfp:hasFacet name="minExclusive"/></div> <div><hfp:hasProperty name="ordered" value="partial"/></div> <div><hfp:hasProperty name="bounded" value="false"/></div> <div><hfp:hasProperty name="cardinality" value="countably infinite"/></div> <div><hfp:hasProperty name="numeric" value="false"/></div>						
source	<div><xs:simpleType name="gYear" id="gYear"></div> <div><xs:annotation></div> <div><xs:appinfo></div> <div><hfp:hasFacet name="pattern"/></div> <div><hfp:hasFacet name="enumeration"/></div> <div><hfp:hasFacet name="whiteSpace"/></div> <div><hfp:hasFacet name="maxInclusive"/></div> <div><hfp:hasFacet name="maxExclusive"/></div> <div><hfp:hasFacet name="minInclusive"/></div> <div><hfp:hasFacet name="minExclusive"/></div> <div><hfp:hasProperty name="ordered" value="partial"/></div> <div><hfp:hasProperty name="bounded" value="false"/></div> <div><hfp:hasProperty name="cardinality" value="countably infinite"/></div> <div><hfp:hasProperty name="numeric" value="false"/></div> <div></xs:appinfo></div> <div><xs:documentation source="http://www.w3.org/TR/xmlschema-2/#gYear"/></div> <div></xs:annotation></div> <div><xs:restriction base="xs:anySimpleType"></div> <div><xs:whiteSpace value="collapse" fixed="true" id="gYear.whiteSpace"/></div> <div></xs:restriction></div> <div></xs:simpleType></div>						

simpleType gYearMonth

namespace	http://www.w3.org/2001/XMLSchema						
type	restriction of xs:anySimpleType						
properties	<div>base</div> <div>xs:anySimpleType</div> <div>id</div> <div>gYearMonth</div>						
facets	<table><tr><td>Kind</td><td>Value</td><td>Annotation</td></tr><tr><td>whiteSpace</td><td>collapse</td><td></td></tr></table>	Kind	Value	Annotation	whiteSpace	collapse	
Kind	Value	Annotation					
whiteSpace	collapse						
annotation	<div>appinfo</div> <div><hfp:hasFacet name="pattern"/></div> <div><hfp:hasFacet name="enumeration"/></div> <div><hfp:hasFacet name="whiteSpace"/></div> <div><hfp:hasFacet name="maxInclusive"/></div> <div><hfp:hasFacet name="maxExclusive"/></div> <div><hfp:hasFacet name="minInclusive"/></div> <div><hfp:hasFacet name="minExclusive"/></div> <div><hfp:hasProperty name="ordered" value="partial"/></div> <div><hfp:hasProperty name="bounded" value="false"/></div> <div><hfp:hasProperty name="cardinality" value="countably infinite"/></div> <div><hfp:hasProperty name="numeric" value="false"/></div>						
source	<div><xs:simpleType name="gYearMonth" id="gYearMonth"></div> <div><xs:annotation></div> <div><xs:appinfo></div> <div><hfp:hasFacet name="pattern"/></div> <div><hfp:hasFacet name="enumeration"/></div> <div><hfp:hasFacet name="whiteSpace"/></div> <div><hfp:hasFacet name="maxInclusive"/></div> <div><hfp:hasFacet name="maxExclusive"/></div> <div><hfp:hasFacet name="minInclusive"/></div> <div><hfp:hasFacet name="minExclusive"/></div> <div><hfp:hasProperty name="ordered" value="partial"/></div> <div><hfp:hasProperty name="bounded" value="false"/></div> <div><hfp:hasProperty name="cardinality" value="countably infinite"/></div> <div><hfp:hasProperty name="numeric" value="false"/></div> <div></xs:appinfo></div> <div><xs:documentation source="http://www.w3.org/TR/xmlschema-2/#gYearMonth"/></div> <div></xs:annotation></div> <div><xs:restriction base="xs:anySimpleType"></div> <div><xs:whiteSpace value="collapse" fixed="true" id="gYearMonth.whiteSpace"/></div> <div></xs:restriction></div> <div></xs:simpleType></div>						

simpleType hexBinary

namespace	http://www.w3.org/2001/XMLSchema		
type	restriction of xs:anySimpleType		
properties	base	xs:anySimpleType	
	id	hexBinary	
facets	Kind	Value	Annotation
	whiteSpace	collapse	
annotation	appinfo <hfp:hasFacet name="length"/>		

	<pre> <hfp:hasFacet name="minLength"/> <hfp:hasFacet name="maxLength"/> <hfp:hasFacet name="pattern"/> <hfp:hasFacet name="enumeration"/> <hfp:hasFacet name="whiteSpace"/> <hfp:hasProperty name="ordered" value="false"/> <hfp:hasProperty name="bounded" value="false"/> <hfp:hasProperty name="cardinality" value="countably infinite"/> <hfp:hasProperty name="numeric" value="false"/> </pre>
source	<pre> <xs:simpleType name="hexBinary" id="hexBinary"> <xs:annotation> <xs:appinfo> <hfp:hasFacet name="length"/> <hfp:hasFacet name="minLength"/> <hfp:hasFacet name="maxLength"/> <hfp:hasFacet name="pattern"/> <hfp:hasFacet name="enumeration"/> <hfp:hasFacet name="whiteSpace"/> <hfp:hasProperty name="ordered" value="false"/> <hfp:hasProperty name="bounded" value="false"/> <hfp:hasProperty name="cardinality" value="countably infinite"/> <hfp:hasProperty name="numeric" value="false"/> </xs:appinfo> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#binary"/> </xs:annotation> <xs:restriction base="xs:anySimpleType"> <xs:whiteSpace value="collapse" fixed="true" id="hexBinary.whiteSpace"/> </xs:restriction> </xs:simpleType> </pre>

simpleType ID

namespace	http://www.w3.org/2001/XMLSchema
type	xs:NCName
properties	base xs:NCName id ID
source	<pre> <xs:simpleType name="ID" id="ID"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#ID"/> </xs:annotation> <xs:restriction base="xs:NCName"/> </xs:simpleType> </pre>

simpleType IDREF

namespace	http://www.w3.org/2001/XMLSchema
type	xs:NCName
properties	base xs:NCName id IDREF
source	<pre> <xs:simpleType name="IDREF" id="IDREF"> <xs:annotation> </pre>

	<pre> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#IDREF"/> </xs:annotation> <xs:restriction base="xs:NCName"/> </xs:simpleType> </pre>
--	--

simpleType IDREFS

namespace	http://www.w3.org/2001/XMLSchema						
type	restriction of (list of xs:IDREF)						
properties	id IDREFS						
facets	<table><tr><td>Kind</td><td>Value</td><td>Annotation</td></tr><tr><td>minLength</td><td>1</td><td></td></tr></table>	Kind	Value	Annotation	minLength	1	
Kind	Value	Annotation					
minLength	1						
annotation	<div>appinfo</div> <div><hfp:hasFacet name="length"/> <hfp:hasFacet name="minLength"/> <hfp:hasFacet name="maxLength"/> <hfp:hasFacet name="enumeration"/> <hfp:hasFacet name="whiteSpace"/> <hfp:hasFacet name="pattern"/> <hfp:hasProperty name="ordered" value="false"/> <hfp:hasProperty name="bounded" value="false"/> <hfp:hasProperty name="cardinality" value="countably infinite"/> <hfp:hasProperty name="numeric" value="false"/></div>						
source	<div><xs:simpleType name="IDREFS" id="IDREFS"> <xs:annotation> <xs:appinfo> <hfp:hasFacet name="length"/> <hfp:hasFacet name="minLength"/> <hfp:hasFacet name="maxLength"/> <hfp:hasFacet name="enumeration"/> <hfp:hasFacet name="whiteSpace"/> <hfp:hasFacet name="pattern"/> <hfp:hasProperty name="ordered" value="false"/> <hfp:hasProperty name="bounded" value="false"/> <hfp:hasProperty name="cardinality" value="countably infinite"/> <hfp:hasProperty name="numeric" value="false"/> </xs:appinfo> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#IDREFS"/> </xs:annotation> <xs:restriction> <xs:simpleType> <xs:list itemType="xs:IDREF"/> </xs:simpleType> <xs:minLength value="1" id="IDREFS.minLength"/> </xs:restriction> </xs:simpleType></div>						

simpleType int

namespace	http://www.w3.org/2001/XMLSchema
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type	restriction of xs:long		
properties	base id	xs:long int	
facets	Kind minInclusive maxInclusive	Value -2147483648 2147483647	Annotation
source	<pre><xs:simpleType name="int" id="int"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#int"/> </xs:annotation> <xs:restriction base="xs:long"> <xs:minInclusive value="-2147483648" id="int.minInclusive"/> <xs:maxInclusive value="2147483647" id="int.maxInclusive"/> </xs:restriction> </xs:simpleType></pre>		

simpleType **integer**

namespace	http://www.w3.org/2001/XMLSchema		
type	restriction of xs:decimal		
properties	base	xs:decimal	
	id	integer	
facets	Kind	Value	Annotation
	fractionDigits	0	
	pattern	[\-+]?[0-9]+	
source	<pre><xs:simpleType name="integer" id="integer"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#integer"/> </xs:annotation> <xs:restriction base="xs:decimal"> <xs:fractionDigits value="0" fixed="true" id="integer.fractionDigits"/> <xs:pattern value="[\-+]?[0-9]+"/> </xs:restriction> </xs:simpleType></pre>		

simpleType **language**

namespace	http://www.w3.org/2001/XMLSchema		
type	restriction of xs:token		
properties	base	xs:token	
	id	language	
facets	Kind	Value	Annotation
	pattern	[a-zA-Z]{1,8}(-[a-zA-Z0-9]{1,8})*	documentation
		pattern specifies the content of section 2.12 of XML 1.0e2 and RFC 3066 (Revised version of RFC 1766).	
source	<xs:simpleType name="language" id="language"> <xs:annotation>		

	<pre> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#language"/> </xs:annotation> <xs:restriction base="xs:token"> <xs:pattern value="[a-zA-Z]{1,8}(-[a-zA-Z0-9]{1,8})*" id="language.pattern"> <xs:annotation> <xs:documentation source="http://www.ietf.org/rfc/rfc3066.txt"> pattern specifies the content of section 2.12 of XML 1.0e2 and RFC 3066 (Revised version of RFC 1766). </xs:documentation> </xs:annotation> </xs:pattern> </xs:restriction> </xs:simpleType> </pre>
--	--

simpleType long

namespace	http://www.w3.org/2001/XMLSchema		
type	restriction of xs:integer		
properties	base	xs:integer	
	id	long	
facets	Kind	Value	Annotation
	minInclusive	-9223372036854775808	
	maxInclusive	9223372036854775807	
annotation	appinfo <hfp:hasProperty name="bounded" value="true"/> <hfp:hasProperty name="cardinality" value="finite"/>		
source	<pre><xs:simpleType name="long" id="long"> <xs:annotation> <xs:appinfo> <hfp:hasProperty name="bounded" value="true"/> <hfp:hasProperty name="cardinality" value="finite"/> </xs:appinfo> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#long"/> </xs:annotation> <xs:restriction base="xs:integer"> <xs:minInclusive value="-9223372036854775808" id="long.minInclusive"/> <xs:maxInclusive value="9223372036854775807" id="long.maxInclusive"/> </xs:restriction> </xs:simpleType></pre>		

simpleType Name

namespace	http://www.w3.org/2001/XMLSchema		
type	restriction of xs:token		
properties	base	xs:token	
	id	Name	
facets	Kind	Value	Annotation
	pattern	\\c*	documentation
	pattern matches production 5 from the XML spec		

source	<pre> <xs:simpleType name="Name" id="Name"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#Name"/> </xs:annotation> <xs:restriction base="xs:token"> <xs:pattern value="\i\c*" id="Name.pattern"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/REC-xml#NT-Name"> pattern matches production 5 from the XML spec </xs:documentation> </xs:annotation> </xs:pattern> </xs:restriction> </xs:simpleType> </pre>
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simpleType namespaceList

namespace	http://www.w3.org/2001/XMLSchema
type	union of (restriction of xs:token , list of (union of (xs:anyURI , restriction of xs:token)))
used by	attribute wildcard/@namespace
annotation	documentation A utility type, not for public use
source	<pre> <xs:simpleType name="namespaceList"> <xs:annotation> <xs:documentation> A utility type, not for public use</xs:documentation> </xs:annotation> <xs:union> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="##any"/> <xs:enumeration value="##other"/> </xs:restriction> </xs:simpleType> <xs:simpleType> <xs:list> <xs:simpleType> <xs:union memberTypes="xs:anyURI"> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="##targetNamespace"/> <xs:enumeration value="##local"/> </xs:restriction> </xs:simpleType> </xs:union> </xs:simpleType> </xs:list> </xs:simpleType> </xs:union> </xs:simpleType> </pre>

simpleType **NCName**

namespace	http://www.w3.org/2001/XMLSchema		
type	restriction of xs:Name		
properties	base id	xs:Name NCName	
facets	Kind pattern	Value [i-[:]][c-[:]]*	Annotation documentation pattern matches production 4 from the Namespaces in XML spec
source	<pre><xs:simpleType name="NCName" id="NCName"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#NCName"/> </xs:annotation> <xs:restriction base="xs:Name"> <xs:pattern value="[i-[:]][c-[:]]*" id="NCName.pattern"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/REC-xml-names/#NT-NCName"> pattern matches production 4 from the Namespaces in XML spec </xs:documentation> </xs:annotation> </xs:pattern> </xs:restriction> </xs:simpleType></pre>		

simpleType **negativeInteger**

namespace	http://www.w3.org/2001/XMLSchema
type	restriction of xs:nonPositiveInteger
properties	base xs:nonPositiveInteger id negativeInteger
facets	Kind Value Annotation maxInclusive -1
source	<pre><xs:simpleType name="negativeInteger" id="negativeInteger"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#negativeInteger"/> </xs:annotation> <xs:restriction base="xs:nonPositiveInteger"> <xs:maxInclusive value="-1" id="negativeInteger.maxInclusive"/> </xs:restriction> </xs:simpleType></pre>

simpleType **NMTOKEN**

namespace	http://www.w3.org/2001/XMLSchema
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type	restriction of xs:token		
properties	base id	xs:token NMTOKEN	
facets	Kind pattern	Value \c+	Annotation documentation pattern matches production 7 from the XML spec
source	<pre><xs:simpleType name="NMTOKEN" id="NMTOKEN"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#NMTOKEN"/> </xs:annotation> <xs:restriction base="xs:token"> <xs:pattern value="\c+" id="NMTOKEN.pattern"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/REC-xml#NT-Nmtoken"> pattern matches production 7 from the XML spec </xs:documentation> </xs:annotation> </xs:pattern> </xs:restriction> </xs:simpleType></pre>		

simpleType **NMTOKENS**

namespace	http://www.w3.org/2001/XMLSchema						
type	restriction of (list of xs:NMTOKEN)						
properties	id NMTOKENS						
facets	<table><tr><td>Kind</td><td>Value</td><td>Annotation</td></tr><tr><td>minLength</td><td>1</td><td></td></tr></table>	Kind	Value	Annotation	minLength	1	
Kind	Value	Annotation					
minLength	1						
annotation	<div>appinfo</div> <div><hfp:hasFacet name="length"/> <hfp:hasFacet name="minLength"/> <hfp:hasFacet name="maxLength"/> <hfp:hasFacet name="enumeration"/> <hfp:hasFacet name="whiteSpace"/> <hfp:hasFacet name="pattern"/> <hfp:hasProperty name="ordered" value="false"/> <hfp:hasProperty name="bounded" value="false"/> <hfp:hasProperty name="cardinality" value="countably infinite"/> <hfp:hasProperty name="numeric" value="false"/></div>						
source	<div><xs:simpleType name="NMTOKENS" id="NMTOKENS"> <xs:annotation> <xs:appinfo> <hfp:hasFacet name="length"/> <hfp:hasFacet name="minLength"/> <hfp:hasFacet name="maxLength"/> <hfp:hasFacet name="enumeration"/> <hfp:hasFacet name="whiteSpace"/> <hfp:hasFacet name="pattern"/> <hfp:hasProperty name="ordered" value="false"/> <hfp:hasProperty name="bounded" value="false"/> </xs:appinfo> </xs:annotation> </xs:simpleType></div>						

	<pre> <hfp:hasProperty name="cardinality" value="countably infinite"/> <hfp:hasProperty name="numeric" value="false"/> </xs:appinfo> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#NMTOKENS"/> </xs:annotation> <xs:restriction> <xs:simpleType> <xs:list itemType="xs:NMTOKEN"/> </xs:simpleType> <xs:minLength value="1" id="NMTOKENS.minLength"/> </xs:restriction> </xs:simpleType> </pre>
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simpleType nonNegativeInteger

namespace	http://www.w3.org/2001/XMLSchema						
type	restriction of xs:integer						
properties	base xs:integer id nonNegativeInteger						
facets	<table><thead><tr><th>Kind</th><th>Value</th><th>Annotation</th></tr></thead><tbody><tr><td>minInclusive</td><td>0</td><td></td></tr></tbody></table>	Kind	Value	Annotation	minInclusive	0	
Kind	Value	Annotation					
minInclusive	0						
source	<pre><xs:simpleType name="nonNegativeInteger" id="nonNegativeInteger"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#nonNegativeInteger"/> </xs:annotation> <xs:restriction base="xs:integer"> <xs:minInclusive value="0" id="nonNegativeInteger.minInclusive"/> </xs:restriction> </xs:simpleType></pre>						

simpleType nonPositiveInteger

namespace	http://www.w3.org/2001/XMLSchema
type	restriction of xs:integer
properties	base xs:integer id nonPositiveInteger
facets	Kind Value Annotation maxInclusive 0
source	<xs:simpleType name="nonPositiveInteger" id="nonPositiveInteger"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#nonPositiveInteger"/> </xs:annotation> <xs:restriction base="xs:integer"> <xs:maxInclusive value="0" id="nonPositiveInteger.maxInclusive"/> </xs:restriction> </xs:simpleType>

simpleType **normalizedString**

namespace	http://www.w3.org/2001/XMLSchema
type	restriction of xs:string
properties	base xs:string id normalizedString
facets	Kind Value Annotation whiteSpace replace
source	<pre><xs:simpleType name="normalizedString" id="normalizedString"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#normalizedString"/> </xs:annotation> <xs:restriction base="xs:string"> <xs:whiteSpace value="replace" id="normalizedString.whiteSpace"/> </xs:restriction> </xs:simpleType></pre>

simpleType **NOTATION**

namespace	http://www.w3.org/2001/XMLSchema
type	restriction of xs:anySimpleType
properties	base xs:anySimpleType id NOTATION
facets	Kind Value Annotation whiteSpace collapse
annotation	<p>appinfo</p> <pre><hfp:hasFacet name="length"/> <hfp:hasFacet name="minLength"/> <hfp:hasFacet name="maxLength"/> <hfp:hasFacet name="pattern"/> <hfp:hasFacet name="enumeration"/> <hfp:hasFacet name="whiteSpace"/> <hfp:hasProperty name="ordered" value="false"/> <hfp:hasProperty name="bounded" value="false"/> <hfp:hasProperty name="cardinality" value="countably infinite"/> <hfp:hasProperty name="numeric" value="false"/></pre> <p>documentation</p> <p>NOTATION cannot be used directly in a schema; rather a type must be derived from it by specifying at least one enumeration facet whose value is the name of a NOTATION declared in the schema.</p>
source	<pre><xs:simpleType name="NOTATION" id="NOTATION"> <xs:annotation> <xs:appinfo> <hfp:hasFacet name="length"/> <hfp:hasFacet name="minLength"/> <hfp:hasFacet name="maxLength"/> <hfp:hasFacet name="pattern"/> <hfp:hasFacet name="enumeration"/></pre>

	<pre> <hfp:hasFacet name="whiteSpace"/> <hfp:hasProperty name="ordered" value="false"/> <hfp:hasProperty name="bounded" value="false"/> <hfp:hasProperty name="cardinality" value="countably infinite"/> <hfp:hasProperty name="numeric" value="false"/> </xs:appinfo> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#NOTATION"/> <xs:documentation> NOTATION cannot be used directly in a schema; rather a type must be derived from it by specifying at least one enumeration facet whose value is the name of a NOTATION declared in the schema. </xs:documentation> </xs:annotation> <xs:restriction base="xs:anySimpleType"> <xs:whiteSpace value="collapse" fixed="true" id="NOTATION.whiteSpace"/> </xs:restriction> </xs:simpleType> </pre>
--	--

simpleType **positiveInteger**

namespace	http://www.w3.org/2001/XMLSchema						
type	restriction of xs:nonNegativeInteger						
properties	base xs:nonNegativeInteger id positiveInteger						
facets	<table><thead><tr><th>Kind</th><th>Value</th><th>Annotation</th></tr></thead><tbody><tr><td>minInclusive</td><td>1</td><td></td></tr></tbody></table>	Kind	Value	Annotation	minInclusive	1	
Kind	Value	Annotation					
minInclusive	1						
source	<pre><xs:simpleType name="positiveInteger" id="positiveInteger"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#positiveInteger"/> </xs:annotation> <xs:restriction base="xs:nonNegativeInteger"> <xs:minInclusive value="1" id="positiveInteger.minInclusive"/> </xs:restriction> </xs:simpleType></pre>						

simpleType **public**

namespace	http://www.w3.org/2001/XMLSchema
type	xs:token
properties	base xs:token
used by	attribute notation/@public
annotation	documentation A utility type, not for public use documentation A public identifier, per ISO 8879

source	<pre> <xs:simpleType name="public"> <xs:annotation> <xs:documentation> A utility type, not for public use</xs:documentation> <xs:documentation> A public identifier, per ISO 8879</xs:documentation> </xs:annotation> <xs:restriction base="xs:token"/> </xs:simpleType> </pre>
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simpleType QName

namespace	http://www.w3.org/2001/XMLSchema						
type	restriction of xs:anySimpleType						
properties	<div>base xs:anySimpleType</div> <div>id QName</div>						
facets	<table><tr><td>Kind</td><td>Value</td><td>Annotation</td></tr><tr><td>whiteSpace</td><td>collapse</td><td></td></tr></table>	Kind	Value	Annotation	whiteSpace	collapse	
Kind	Value	Annotation					
whiteSpace	collapse						
annotation	<div>appinfo</div> <div><hfp:hasFacet name="length"/></div> <div><hfp:hasFacet name="minLength"/></div> <div><hfp:hasFacet name="maxLength"/></div> <div><hfp:hasFacet name="pattern"/></div> <div><hfp:hasFacet name="enumeration"/></div> <div><hfp:hasFacet name="whiteSpace"/></div> <div><hfp:hasProperty name="ordered" value="false"/></div> <div><hfp:hasProperty name="bounded" value="false"/></div> <div><hfp:hasProperty name="cardinality" value="countably infinite"/></div> <div><hfp:hasProperty name="numeric" value="false"/></div>						
source	<pre><xs:simpleType name="QName" id="QName"> <xs:annotation> <xs:appinfo> <hfp:hasFacet name="length"/> <hfp:hasFacet name="minLength"/> <hfp:hasFacet name="maxLength"/> <hfp:hasFacet name="pattern"/> <hfp:hasFacet name="enumeration"/> <hfp:hasFacet name="whiteSpace"/> <hfp:hasProperty name="ordered" value="false"/> <hfp:hasProperty name="bounded" value="false"/> <hfp:hasProperty name="cardinality" value="countably infinite"/> <hfp:hasProperty name="numeric" value="false"/> </xs:appinfo> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#QName"/> </xs:annotation> <xs:restriction base="xs:anySimpleType"> <xs:whiteSpace value="collapse" fixed="true" id="QName.whiteSpace"/> </xs:restriction> </xs:simpleType></pre>						

simpleType **reducedDerivationControl**

namespace	http://www.w3.org/2001/XMLSchema		
type	restriction of xs:derivationControl		
properties	base	xs:derivationControl	
used by	simpleType	derivationSet	
facets	Kind	Value	Annotation
	enumeration	extension	
	enumeration	restriction	
annotation	documentation		
	A utility type, not for public use		
source	<pre> <xs:simpleType name="reducedDerivationControl"> <xs:annotation> <xs:documentation> A utility type, not for public use</xs:documentation> </xs:annotation> <xs:restriction base="xs:derivationControl"> <xs:enumeration value="extension"/> <xs:enumeration value="restriction"/> </xs:restriction> </xs:simpleType> </pre>		

simpleType **short**

namespace	http://www.w3.org/2001/XMLSchema		
type	restriction of xs:int		
properties	base	xs:int	
	id	short	
facets	Kind	Value	Annotation
	minInclusive	-32768	
	maxInclusive	32767	
source	<pre> <xs:simpleType name="short" id="short"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#short"/> </xs:annotation> <xs:restriction base="xs:int"> <xs:minInclusive value="-32768" id="short.minInclusive"/> <xs:maxInclusive value="32767" id="short.maxInclusive"/> </xs:restriction> </xs:simpleType> </pre>		

simpleType **simpleDerivationSet**

namespace	http://www.w3.org/2001/XMLSchema		
type	union of (restriction of xs:token , list of (restriction of xs:derivationControl))		
used by	attribute	simpleType/@final	

annotation	documentation #all or (possibly empty) subset of {restriction, union, list} documentation A utility type, not for public use
source	<pre> <xs:simpleType name="simpleDerivationSet"> <xs:annotation> <xs:documentation> #all or (possibly empty) subset of {restriction, union, list} </xs:documentation> <xs:documentation> A utility type, not for public use </xs:documentation> </xs:annotation> <xs:union> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="#all"/> </xs:restriction> </xs:simpleType> <xs:simpleType> <xs:list> <xs:simpleType> <xs:restriction base="xs:derivationControl"> <xs:enumeration value="list"/> <xs:enumeration value="union"/> <xs:enumeration value="restriction"/> </xs:restriction> </xs:simpleType> </xs:list> </xs:simpleType> </xs:union> </xs:simpleType> </pre>

simpleType string

namespace	http://www.w3.org/2001/XMLSchema						
type	restriction of xs:anySimpleType						
properties	<div>base xs:anySimpleType</div> <div>id string</div>						
facets	<table><tr><td>Kind</td><td>Value</td><td>Annotation</td></tr><tr><td>whiteSpace</td><td>preserve</td><td></td></tr></table>	Kind	Value	Annotation	whiteSpace	preserve	
Kind	Value	Annotation					
whiteSpace	preserve						
annotation	<div>appinfo</div> <div><hfp:hasFacet name="length"/></div> <div><hfp:hasFacet name="minLength"/></div> <div><hfp:hasFacet name="maxLength"/></div> <div><hfp:hasFacet name="pattern"/></div> <div><hfp:hasFacet name="enumeration"/></div> <div><hfp:hasFacet name="whiteSpace"/></div> <div><hfp:hasProperty name="ordered" value="false"/></div> <div><hfp:hasProperty name="bounded" value="false"/></div> <div><hfp:hasProperty name="cardinality" value="countably infinite"/></div> <div><hfp:hasProperty name="numeric" value="false"/></div>						

source	<pre> <xs:simpleType name="string" id="string"> <xs:annotation> <xs:appinfo> <hfp:hasFacet name="length"/> <hfp:hasFacet name="minLength"/> <hfp:hasFacet name="maxLength"/> <hfp:hasFacet name="pattern"/> <hfp:hasFacet name="enumeration"/> <hfp:hasFacet name="whiteSpace"/> <hfp:hasProperty name="ordered" value="false"/> <hfp:hasProperty name="bounded" value="false"/> <hfp:hasProperty name="cardinality" value="countably infinite"/> <hfp:hasProperty name="numeric" value="false"/> </xs:appinfo> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#string"/> </xs:annotation> <xs:restriction base="xs:anySimpleType"> <xs:whiteSpace value="preserve" id="string.preserve"/> </xs:restriction> </xs:simpleType> </pre>
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simpleType time

namespace	http://www.w3.org/2001/XMLSchema						
type	restriction of xs:anySimpleType						
properties	<div>base xs:anySimpleType</div> <div>id time</div>						
facets	<table><tr><th>Kind</th><th>Value</th><th>Annotation</th></tr><tr><td>whiteSpace</td><td>collapse</td><td></td></tr></table>	Kind	Value	Annotation	whiteSpace	collapse	
Kind	Value	Annotation					
whiteSpace	collapse						
annotation	<div>appinfo</div> <div><hfp:hasFacet name="pattern"/></div> <div><hfp:hasFacet name="enumeration"/></div> <div><hfp:hasFacet name="whiteSpace"/></div> <div><hfp:hasFacet name="maxInclusive"/></div> <div><hfp:hasFacet name="maxExclusive"/></div> <div><hfp:hasFacet name="minInclusive"/></div> <div><hfp:hasFacet name="minExclusive"/></div> <div><hfp:hasProperty name="ordered" value="partial"/></div> <div><hfp:hasProperty name="bounded" value="false"/></div> <div><hfp:hasProperty name="cardinality" value="countably infinite"/></div> <div><hfp:hasProperty name="numeric" value="false"/></div>						
source	<pre><xs:simpleType name="time" id="time"> <xs:annotation> <xs:appinfo> <hfp:hasFacet name="pattern"/> <hfp:hasFacet name="enumeration"/> <hfp:hasFacet name="whiteSpace"/> <hfp:hasFacet name="maxInclusive"/> <hfp:hasFacet name="maxExclusive"/> <hfp:hasFacet name="minInclusive"/> <hfp:hasFacet name="minExclusive"/> <hfp:hasProperty name="ordered" value="partial"/> <hfp:hasProperty name="bounded" value="false"/> </xs:appinfo> </xs:annotation> <xs:restriction base="xs:anySimpleType"> <xs:whiteSpace value="collapse" id="time.collapse"/> </xs:restriction> </xs:simpleType></pre>						

	<pre> <hfp:hasProperty name="cardinality" value="countably infinite"/> <hfp:hasProperty name="numeric" value="false"/> </xs:appinfo> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#time"/> </xs:annotation> <xs:restriction base="xs:anySimpleType"> <xs:whiteSpace value="collapse" fixed="true" id="time.whiteSpace"/> </xs:restriction> </xs:simpleType> </pre>
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simpleType **token**

namespace	http://www.w3.org/2001/XMLSchema		
type	restriction of xs:normalizedString		
properties	base	xs:normalizedString	
	id	token	
facets	Kind	Value	Annotation
	whiteSpace	collapse	
source	<pre><xs:simpleType name="token" id="token"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#token"/> </xs:annotation> <xs:restriction base="xs:normalizedString"> <xs:whiteSpace value="collapse" id="token.whiteSpace"/> </xs:restriction> </xs:simpleType></pre>		

simpleType **typeDerivationControl**

namespace	http://www.w3.org/2001/XMLSchema		
type	restriction of xs:derivationControl		
properties	base	xs:derivationControl	
used by	simpleType	fullDerivationSet	
facets	Kind	Value	Annotation
	enumeration	extension	
	enumeration	restriction	
	enumeration	list	
	enumeration	union	
annotation	documentation		
	A utility type, not for public use		
source	<pre><xs:simpleType name="typeDerivationControl"> <xs:annotation> <xs:documentation> A utility type, not for public use</xs:documentation> </xs:annotation> <xs:restriction base="xs:derivationControl"> <xs:enumeration value="extension"/> </xs:restriction> </xs:simpleType></pre>		

	<pre> <xs:enumeration value="restriction"/> <xs:enumeration value="list"/> <xs:enumeration value="union"/> </xs:restriction> </xs:simpleType> </pre>
--	--

simpleType unsignedByte

namespace	http://www.w3.org/2001/XMLSchema						
type	restriction of xs:unsignedShort						
properties	base xs:unsignedShort id unsignedByte						
facets	<table><thead><tr><th>Kind</th><th>Value</th><th>Annotation</th></tr></thead><tbody><tr><td>maxInclusive</td><td>255</td><td></td></tr></tbody></table>	Kind	Value	Annotation	maxInclusive	255	
Kind	Value	Annotation					
maxInclusive	255						
source	<pre><xs:simpleType name="unsignedByte" id="unsignedByte"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#unsignedByte"/> </xs:annotation> <xs:restriction base="xs:unsignedShort"> <xs:maxInclusive value="255" id="unsignedByte.maxInclusive"/> </xs:restriction> </xs:simpleType></pre>						

simpleType unsignedInt

namespace	http://www.w3.org/2001/XMLSchema		
type	restriction of xs:unsignedLong		
properties	base	xs:unsignedLong	
	id	unsignedInt	
facets	Kind	Value	Annotation
	maxInclusive	4294967295	
source	<pre><xs:simpleType name="unsignedInt" id="unsignedInt"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#unsignedInt"/> </xs:annotation> <xs:restriction base="xs:unsignedLong"> <xs:maxInclusive value="4294967295" id="unsignedInt.maxInclusive"/> </xs:restriction> </xs:simpleType></pre>		

simpleType unsignedLong

namespace	http://www.w3.org/2001/XMLSchema		
type	restriction of xs:nonNegativeInteger		
properties	base id	xs:nonNegativeInteger unsignedLong	
facets	Kind maxInclusive	Value 18446744073709551615	Annotation

annotation	appinfo <hfp:hasProperty name="bounded" value="true"/> <hfp:hasProperty name="cardinality" value="finite"/>
source	<pre><xs:simpleType name="unsignedLong" id="unsignedLong"> <xs:annotation> <xs:appinfo> <hfp:hasProperty name="bounded" value="true"/> <hfp:hasProperty name="cardinality" value="finite"/> </xs:appinfo> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#unsignedLong"/> </xs:annotation> <xs:restriction base="xs:nonNegativeInteger"> <xs:maxInclusive value="18446744073709551615" id="unsignedLong.maxInclusive"/> </xs:restriction> </xs:simpleType></pre>

simpleType unsignedShort

namespace	http://www.w3.org/2001/XMLSchema		
type	restriction of xs:unsignedInt		
properties	base	xs:unsignedInt	
	id	unsignedShort	
facets	Kind	Value	Annotation
	maxInclusive	65535	
source	<pre><xs:simpleType name="unsignedShort" id="unsignedShort"> <xs:annotation> <xs:documentation source="http://www.w3.org/TR/xmlschema-2/#unsignedShort"/> </xs:annotation> <xs:restriction base="xs:unsignedInt"> <xs:maxInclusive value="65535" id="unsignedShort.maxInclusive"/> </xs:restriction> </xs:simpleType></pre>		

attributeGroup defRef

namespace	http://www.w3.org/2001/XMLSchema					
used by	complexType	attribute attributeGroup element group				
attributes	Name	Type	Use	Default	Fixed	Annotation
	name	xs:NCName				
	ref	xs:QName				
annotation	documentation for element, group and attributeGroup, which both define and reference					
source	<pre><xs:attributeGroup name="defRef"> <xs:annotation> <xs:documentation> for element, group and attributeGroup, which both define and reference</xs:documentation></pre>					

	<pre> </xs:annotation> <xs:attribute name="name" type="xs:NCName"/> <xs:attribute name="ref" type="xs:QName"/> </xs:attributeGroup> </pre>
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attribute **defRef/@name**

type	xs:NCName
source	<pre><xs:attribute name="name" type="xs:NCName"/></pre>

attribute **defRef/@ref**

type	xs:QName
source	<pre><xs:attribute name="ref" type="xs:QName"/></pre>

attributeGroup **occurs**

namespace	http://www.w3.org/2001/XMLSchema					
used by	element	any				
	complexType	element group				
attributes	Name	Type	Use	Default	Fixed	Annotation
	minOccurs	xs:nonNegativeInteger	optional	1		
	maxOccurs	xs:allNNI	optional	1		
annotation	documentation for all particles					
source	<pre> <xs:attributeGroup name="occurs"> <xs:annotation> <xs:documentation> for all particles</xs:documentation> </xs:annotation> <xs:attribute name="minOccurs" type="xs:nonNegativeInteger" use="optional" default="1"/> <xs:attribute name="maxOccurs" type="xs:allNNI" use="optional" default="1"/> </xs:attributeGroup> </pre>					

attribute **occurs/@minOccurs**

type	xs:nonNegativeInteger
properties	<div>use optional</div> <div>default 1</div>
source	<pre><xs:attribute name="minOccurs" type="xs:nonNegativeInteger" use="optional" default="1"/></pre>

attribute **occurs/@maxOccurs**

type	xs:allNNI
properties	use optional default 1
source	<code><xs:attribute name="maxOccurs" type="xs:allNNI" use="optional" default="1"/></code>

notation **XML**

namespace	http://www.w3.org/2001/XMLSchema
properties	public REC-xml-19980210 system http://www.w3.org/TR/1998/REC-xml-19980210
source	<code><xs:notation name="XML" public="REC-xml-19980210" system="http://www.w3.org/TR/1998/REC-xml-19980210"/></code>

notation **XMLSchemaStructures**

namespace	http://www.w3.org/2001/XMLSchema
properties	public structures system http://www.w3.org/2000/08/XMLSchema.xsd
source	<code><xs:notation name="XMLSchemaStructures" public="structures" system="http://www.w3.org/2000/08/XMLSchema.xsd"/></code>

attribute **nil**

namespace	http://www.w3.org/2001/XMLSchema-instance
source	<code><xs:attribute name="nil"/></code>

attribute **noNamespaceSchemaLocation**

namespace	http://www.w3.org/2001/XMLSchema-instance
source	<code><xs:attribute name="noNamespaceSchemaLocation"/></code>

attribute **schemaLocation**

namespace	http://www.w3.org/2001/XMLSchema-instance
source	<code><xs:attribute name="schemaLocation"/></code>

attribute **type**

namespace	http://www.w3.org/2001/XMLSchema-instance
source	<code><xs:attribute name="type"/></code>

